DATE NAILS and RAILROAD TIE PRESERVATION

Jeff Oaks

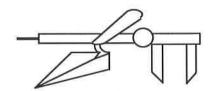
Volume III



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Jeff Oaks

Volume III



University of Indianapolis Archeology and Forensics Laboratory Special Report #3

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Introduction to the Photographs

Shank markings

Glenn Wiswell and John Evans categorized date nails by their shank markings in the 1970's, and Joe Lewis coined the term "WESIS number." WESIS stands for Wiswell-Evans Shank Identification System. Wiswell and Evans fully explained WESIS in their book *Date Nails Complete* in 1976. They made some minor mistakes, but the thoroughness of their work is evident in the fact that WESIS is still universally used among date nail collectors. WESIS gave nailers a way to identify individual nails without having to resort to language like "I mean that square 17, the one with the flag and foot on the 1, which is rare on the Santa Fe."

Quoting Date Nails Complete: "Most manufacturers of nails use distinctive markings on the shaft of the nails they produce. These Manufacturer's Marks are used on many, but not all, nails made in the United States and are not limited to date nails.

"The Maufacturer's Mark may be any one of the following:

- 1) A distinctive mark usually below the head and above the anchors
- 2) Worked into the anchors themselves
- 3) The omission of one or more anchors a certain number down from the head
- 4) A change in the shape of the anchors." [DNC, 41]

WESIS works like this: a number is assigned to each nail company. Type (01) refers to nails made by Townsend Co., type (03) to Pittsburgh Steel Co., and so on. (type (02) is defunct.) Because each nail company had distinctive shank markings, the nails can be identified by manufacturer. Instead of being verbose and writing "Republic Steel Corp." to talk about a nail with a "V" above the anchors, we can just write "(04)". This makes the nail lists compact, also. I have reserved the blank type () for unclassified nails.

If you are holding a nail in your hand and are trying to identify it by the shank drawings, be aware of these things:

- Sometimes the Manufacturer's Mark is obscured by galvanizing. Sometimes it is missing altogether, as is the case with some early type (07) nails.
- Your mark might not be exactly like the picture. Remember that these marks are often crudely formed, and their design often changed gradually over time.
- Sometimes the mark of one company seems to be on another company's nail. Some thin type (07) nails seem to have the mark of (17), for example.
- Number style is as important as shank marking in identifying nails. Both should be used in identifying nails.

Notation

This section is repeated from the general introduction in Volume I. Here is an example line decoded:

$$2\ 1/2\ \times\ 1/4\ \mathrm{rnd}\ \mathrm{I}$$
 stl (07) 05,08:b,9,11-19,20:c

- 2 1/2 length of the nail, in inches. Because of the inaccuracy of nail making machines, your nail might not have exactly the nominal length. 2 1/2" nails, for example, generally fall in the 2 1/4" to 2 3/4" range.
 - 1/4 diameter of shank, in inches. (1/4- is a diameter just under 1/4", and 3/16+ indicates a nail with a diameter just over 3/16".)
 - rnd round head (and shank). See the key below for other shapes.
 - I indented figures. (R = raised figures.)
 - stl steel.
- (07) code for the manufacturer, identified by shank markings. (07) = American Steel & Wire Co. See the introduction to the photo section for other codes.
 - 05 the numbers stamped on the nail's head. 05 stands for the year 1905. 08:b is the second 08 of the same dimensions shown in the photo section. These letters run up the alphabet: 08:c would

be the third 08, 08:d the fourth, and so on. 9 is a 9 with a dot or triangle under the date. 11-19 means all dates from 11 to 19 inclusive.

In the nail lists, the "/" means "over". So the EQUI / LEAS found on Illinois Central Gulf has "EQUI" over "LEAS".

Key

almaluminum
brs brass
CL Chair-leg nail, stamped in sheet metal
cop copper
cp chisel point
diadiamond head
gmgripper marks
Used in addition to normal anchor markings. The proper term for a nail with gripper marks is "barbed," but nail colectors have called them gm for so long that I have decided not to change the
terminology.
GMheavy gripper marks
Usually the only shank markings.
hbherringbone shank
These are really gripper marks on a square shank, so in turn "hb" really means "barbed." Again the notation has been used for so long among nailers that I leave it intact.
hexhexagonal head
hs hand stamped
Iindented figures
irrirregular head
mi malleable iron
See type (11).
osoval shank
pnt pentagon head
Rraised figures
rndround head
rsround shank

The shank is square, and was turned. Type (37) only.

stl steel

sqr.....square head ss....square shank

tri trianglular head ts twisted shank

Variations

It is easy to find nearly identical nails with minor differences, and these differences are usually insignificant to the nail collector. As an example, consider the $2 \frac{1}{2} \times \frac{1}{4}$ rnd I stl (07) 12. I have seen many different versions of this nail, some with a fat flag on the 1, some with a funny point on the flag, others with a seemingly wider date, etc. Their shank markings are different, too. All are type (07) with the proper mark, but some have five anchor markings on each side, others up to fifteen or seventeen. Some anchors appear front and back (with respect to the numbers on the head), others left and right. None of these differences is marked enough to warrant a separate appellation. Keep in mind that railroads just needed legible nails. They did not need meticulous uniformity in size, shape, and number style.

But I have to draw the line somewhere. There are nails, though close, which are truly different and which merit different designations. Here are a couple examples to give you an idea of how I have done it.

Diameters with fractional, gauge, and decimal equivalents

$\frac{1}{32}$ increments (.03125")

 $\frac{4}{32}$

 $\frac{5}{32}$

 $\overline{32}$

 $\frac{7}{32}$

 $\overline{32}$

 $\overline{32}$

32

10

.125

.15625

 $=\frac{3}{16}$.1875

.21875

.25

.28125

.3125

$\frac{1}{40}$ increments (.025")

6

 $\overline{40}$

10 $\overline{40}$

 $\overline{40}$

11

.15

.175

.2

.225

.25

.275

.3

 $\overline{40}$

American Steel & Wire standard gauges

No. 12

No. 11

No. 10

No. 9

No. 8

No. 7

No. 6

.1055

.1205

.1350

.1483

.1620

.1770

.1920

No. 5

No. 4

No. 3

No. 2

No. 1

No. 0

No. 00

.2070

.2253

.2437

.2625

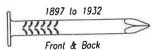
.2830

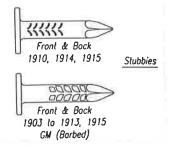
.3065

.3310

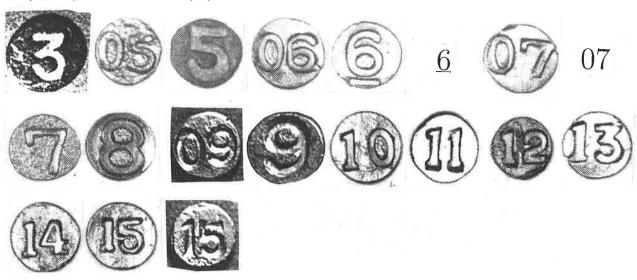
Type (01)

Townsend Co., Ellwood City, PA. Went out of nail business around 1955.





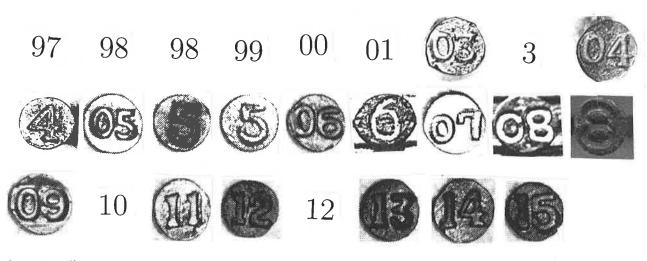
 $1~3/4\times5/16~\mathrm{rnd}$ I GM stl (01)



All of these nails, with the exceptions of the 14, 15:b, and a single 10 in Charles Sebesta's collection, have GM. The 15:b is a hybrid: it has type (07) numbers!

It is possible that the 3 is a code. Some collectors think that the 9 is a 6.

 $2 1/2 \times 1/4 \text{ rnd I stl } (01)$



(continued)

 $2\ 1/2 \times 1/4 \ \mathrm{rnd} \ \mathrm{I} \ \mathrm{stl} \ (01)$ (continued)







 $2 \times 1/4 \text{ rnd I stl } (01)$

 $1 3/4 \times 1/4 \text{ rnd I stl } (01)$

 $2\ 1/2 \times 1/4 \ \mathrm{sqr} \ \mathrm{I} \ \mathrm{rs} \ \mathrm{stl} \ (01)$

14

15

07 11



 $2 1/2 \times 1/4 \text{ rnd R} \text{ stl } (01)$

















 $1 1/2 \times 1/4 \text{ rnd R stl } (01)$

 $2 \times 1/4$ rnd R stl (01)

29 30









 $2 1/2 \times 9/40 \text{ rnd R} \text{ stl } (01)$





 $2~1/2 \times 1/4~{\rm sqr}~{\rm R}~{\rm stl}~(01)$



 $1.1/4 \times 3/16 \text{ rnd I } \text{cop } (01)$

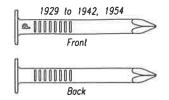




07

Type (03)

Pittsburgh Steel Co., Pittsburgh, PA. Now Wheeling-Pittsburgh Steel Corp. Discontinued all nail manufacturing in 1960.



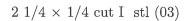
 $2~1/2 \times 1/4~\mathrm{rnd}~\mathrm{I}~\mathrm{stl}~(03)$



30:b has a larger "P" on the shank, and has slightly squatter numbers.

 $1 \ 1/2 \times 1/4 \ \text{rnd I} \ \text{stl } (03)$







 $2\ 1/2 \times 1/4 \ \mathrm{rnd} \ \mathrm{R} \ \mathrm{stl} \ (03)$

29 30 31 32 33 34 36 37 38

 $1.1/2 \times 1/4 \text{ rnd R} \text{ stl } (03)$

 $2 \frac{1}{2} \times \frac{1}{4} \text{ cut R stl } (03)$

29

















(Gulfsteel District)

1931 to 1942

Front

Back

>1000000000





 $2 \times 1/4$ cut R stl (03)

30 31











Louisville & Nashville 1935 & 1936

Front

11101111

Bock

Type (04)

Republic Steel Corp., Cleveland, OH. Plant located in Gadsden, AL.

Est. in 1902 as Alabama Steel and Wire Co. Name changed 1906 to Southern Steel Co.

Reorganized in 1907 as Southern Iron & Steel Co.

Purchased in 1913 by Gulf States Steel

Purchased in 1937 by Republic Steel Corp.

Discontinued making nails of any type in

the 1960's. Discontinued making date nails in the early 1950's.

The $2 \times 1/4$ rnd R stl (04) 35,36 ("D" shank nails) were misidentified in DNC. They are not type (04), and were probably made by Atlantic Steel Co.

 $2 1/2 \times 1/4 \text{ rnd R} \text{ stl } (04)$



























$2 \times 1/4 \text{ rnd R stl } (04)$





33 37









The 35 and 36 were misidentified in DNC. They have a small "D" on the shank, and were probably made by Atlantic Steel Co.

2 & 2 1/2 \times 1/5 rnd R — stl (04)

1st 35 is really Atlantic Steel Co.

















 $2 \ 1/2$

21/2

2, 2 1/2

2, 2 1/2

2

2

2

2















2, 21/2

2, 21/2

2, 2 1/2

2, 21/2

2 1/2

2

2, 21/2

The $2 \frac{1}{2}$ " nails from 33 up have gm. The others don't.

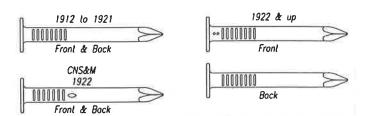
 $2 1/2 \times 1/4 \text{ sqr R stl } (04)$



$\mathrm{Type}\,(05)$

Jones & Laughlin Steel Corp., Aliquippa, PA.

Discontinued making all nails April 1, 1966. Type (14) nails were also made by Jones & Laughlin.





The 15 shown here is really type (14), with a "T" on each side of the shank. I include it with the type (05) nails because it is Jones & Laughlin's mark for the year. The 15 is also shown under type (14).

 $2 \times 1/4 \text{ rnd I stl } (05)$









 $1~1/2 \times 1/4~\mathrm{rnd}~\mathrm{I}~\mathrm{stl}~(05)$



















 $1\ 3/4 \times 3/16\ \mathrm{rnd}\ \mathrm{I}\ \mathrm{stl}\ (05)$

68





 $1~1/2\times3/16~\mathrm{rnd}~\mathrm{I}~\mathrm{stl}~(05)$





 $2 1/2 \times 1/4 \text{ sqr I stl } (05)$



















































































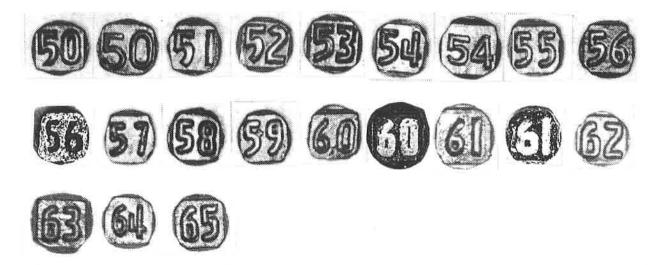








 $2 1/2 \times 1/4 \text{ sqr I stl } (05)$ (Continued)



60:b, used as a date by Rochester Gas & Electric, is identical to the sqr I (05) pole height 60.

 $1 \ 1/2 \times 1/4 \ \text{sqr I} \ \ \text{stl} \ (05)$



 $2 1/2 \times 1/4 \text{ rnd R} \text{ stl } (05)$

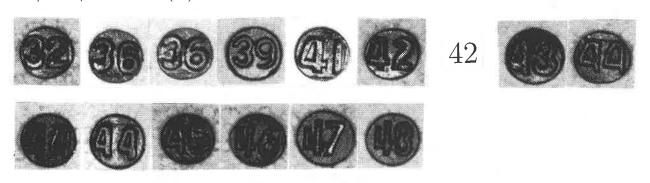


63 64

 $2 \times 1/4 \text{ rnd R stl } (05)$



 $1 1/2 \times 1/4 \text{ rnd R stl } (05)$



 $1\ 1/2 \times 1/4 \text{ rnd R cp stl (05)}$



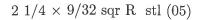
 $1~1/2\times1/5~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(05)$



 $2~1/2\times3/16~\mathrm{rnd}~\mathrm{R}~\mathrm{gm}~\mathrm{stl}~(05)$



 $1~3/4\times3/16~\mathrm{rnd}$ R gm stl (05)









 $2 1/2 \times 1/4 \text{ sqr R stl } (05)$



 $2 \times 1/4 \text{ sqr R stl } (05)$



24 25

 $2 1/2 \times 1/4$ cut R stl (05)

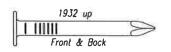


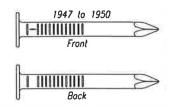
 $1 \ 3/4 \times 3/16 \ \text{cut R} \ \text{stl } (05)$



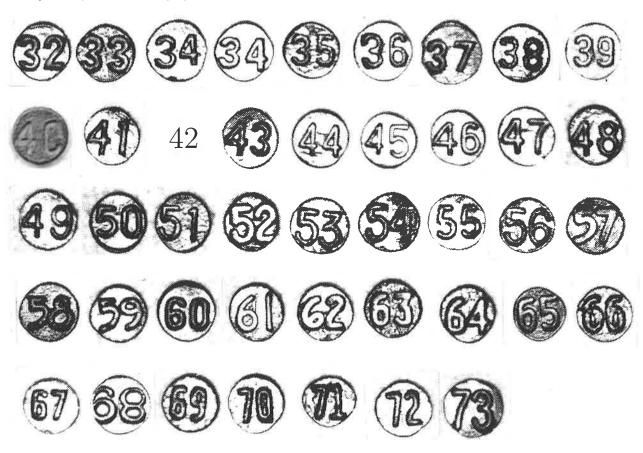
Type (06)

American Steel & Wire Co., Scott Street Works, Joliet, IL. AS&W was later bought by United States Steel Co.





 $2 1/2 \times 1/4 \text{ rnd I stl } (06)$



 $2 \times 1/4 \text{ rnd I stl } (06)$

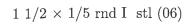
 $1\ 1/2 \times 1/4 \text{ rnd I stl } (06)$

53



62 63

 $1 \times 1/4$ rnd I stl (06)

















 $1 1/4 \times 1/5 \text{ rnd I cp stl } (06)$







 $2\ 1/2 \times 1/4 \ \mathrm{rnd} \ \mathrm{R} \ \mathrm{stl} \ (06)$



















38















































































48









49 50 51 61 72

 $2 \times 1/4$ rnd R GM stl (06)

54

55

 $1 \ 3/4 \times 1/4 \ \mathrm{rnd} \ \mathrm{R} \ \mathrm{stl} \ (06)$



















 $1~1/2 \times 1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(06)$







46













 $1~1/2\times1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{cp}~\mathrm{stl}$ (06)





 $1\ 1/2 \times 1/4 \text{ rnd R GM stl (06)}$



 $1 \times 1/4 \text{ rnd R stl } (06)$



 $1~1/2 \times 1/5~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(06)$

36 38 39 40



 $2\ 1/2 \times 3/16\ \mathrm{rnd}\ \mathrm{R}\ \mathrm{stl}\ (06)$

56

,

 $1~3/4\times3/16~\mathrm{rnd}$ R gm stl (06)



 $2 1/2 \times 1/4 \text{ sqr R stl } (06)$



 $2~1/2 \times 1/4~{\rm sqr}~{\rm R}~{\rm rs}~{\rm stl}~(06)$

 $2 1/2 \times 1/4$ pnt R rs stl (06)

 $1 \ 1/4 \times 3/16 \ \text{rnd I} \ \text{cop} \ (06)$





40

 $2 1/2 \times 1/4 \text{ rnd R cop } (06)$

 $1 \ 1/4 \times 3/16 \ \text{rnd R} \ \text{cop} \ (06)$

33 34 37

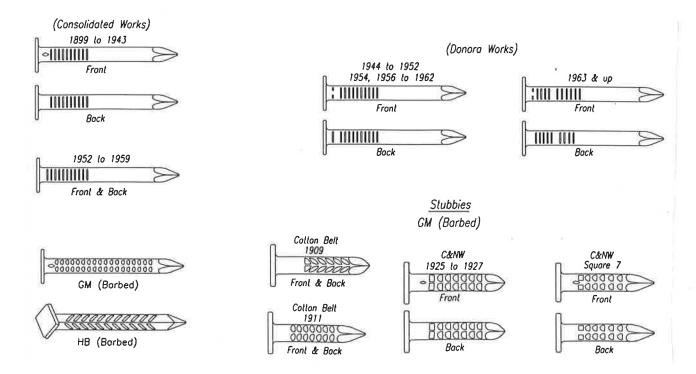








Type (07)



American Steel & Wire Co.

This firm later was bought by U.S. Steel, after which it was known as American Steel & Wire Division.

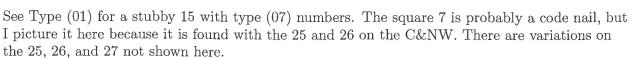
 $1 \times 3/8 \text{ rnd I stl } (07)$



The shank diameter might be wrong.

 $1 3/4 \times 5/16 \text{ rnd I GM stl } (07)$





 $2 \times 11/40$ rnd I stl (07)



 $2~1/2 \times 1/4~\mathrm{rnd}~\mathrm{I}~\mathrm{stl}~(07)$

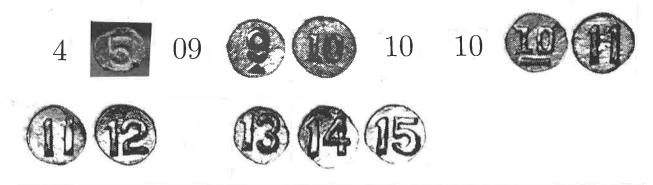


(continued)

 $2 1/2 \times 1/4 \text{ rnd I stl } (07)$ (continued)



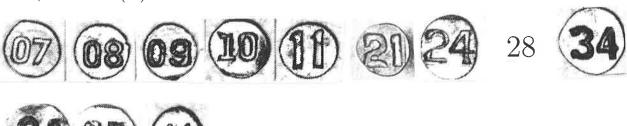
 $2~1/2\times1/4~\mathrm{rnd}$ I GM stl (07)



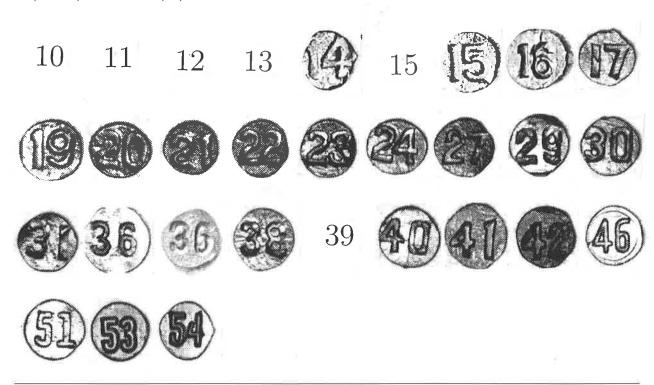
2 1/2 \times 1/4 rnd I bullseye stl (07)



$2 \times 1/4 \text{ rnd I stl } (07)$



 $\frac{1}{1 \cdot 1/2 \times 1/4 \text{ rnd I stl } (07)}$



 $1 \times 1/4 \text{ rnd I stl } (07)$



 $1.1/2 \times 1/4$ - rnd I stl (07)

3 4 5 6 7

 $1\ 3/4 \times 3/16\ \mathrm{rnd}\ \mathrm{I}\ \mathrm{stl}\ (07)$













 $1\ 1/4 \times 3/16 \text{ rnd I cp stl } (07)$















 $2~1/2\times1/8+~\mathrm{rnd}~\mathrm{I}~~\mathrm{stl}~(07)$



 $2~1/2 \times -$ dia I stl (07) (diameters as shown)



1/4-



1/4_



1/4_



1/4-, 1/4



1/4



1/4-, 1/4



1/4-, 1/4



1/4-, 1/4



1/4-, 1/4+



1/4



1/4-, 1/4



1/4



1/4



1/4



1/4



1/4



1/4



1/4









1/4-, 1/4

1/4

1/4

1/4

The shank of the 1/4+8, used by the CB&Q, measures about .260 without galvanizing, and .270 with galvanizing. There are still questions about the diameters of other nails. I have been told that the Big Four nails are 1/4-, but the 08 and 10 in my collection seem to be a full 1/4". Also, the Santa Fe 7, which is said to be 1/4", I measure at about .235".

 $2 \frac{1}{2} \times \frac{1}{4} \text{ dia I hb stl } (07)$





















Some of the earlier nails, like the 4 and 5, measure 1/4-.

 $1 \ 1/2 \times 1/4 \ dia \ I \ stl (07)$

08

9.

9.

10

10

 $2\ 1/2 \times 1/4 \ \mathrm{sqr} \ \mathrm{I} \ \ \mathrm{stl} \ (07)$























































(continued)

 $2 1/2 \times 1/4 \text{ sqr I stl } (07)$ (continued)



 $2~1/2 \times 1/4~{\rm sqr}$ I hb stl (07)



 $2 \times 1/4 \text{ sqr I stl } (07)$



 $2 1/2 \times 1/4$ - sqr I stl (07)

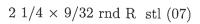


 $2~1/2\times1/4~\mathrm{irr}$ I rs stl (07)



 $2\,\times\,1/4$ irr I rs stl(07)









 $2 1/2 \times 1/4 \text{ rnd R stl } (07)$

$2 \frac{1}{2} \times \frac{1}{4} \text{ rnd R stl } (07)$									
05	07	68	09	10	11	12	13	14	
15	6	16	17	8	10	20	2	22	
23	23	24	25	ZB	25	26	26	25	
28	25	27	27	28	23	29	29	30	
31	38	33	34	34	35	35	36	(36)	
37		36	38	40	(0	40		192	
43	(44)		(A)	(5)	46	47	40	49	
(50)			53	54)	S	5 5	57	58	

 $2\ 1/2 \times 1/4\ \mathrm{rnd}\ \mathrm{R}\ \mathrm{stl}\ (07)$ (continued)



 $2~1/2\times1/4~\mathrm{rnd}$ R gm stl (07)

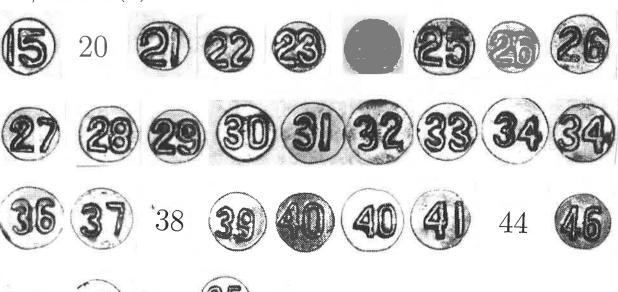


 $2~1/2~\times~1/4~\mathrm{rnd}$ R GM stl (07)



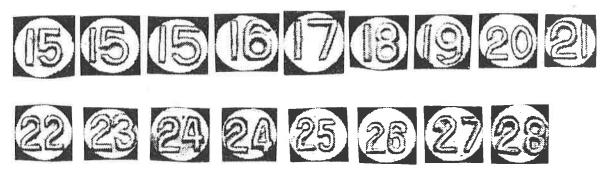
15 16 17 18

 $2 \times 1/4$ rnd R stl (07)



57 **59** 61 **65** 66

 $1~3/4\times1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(07)$



 $1 1/2 \times 1/4 \text{ rnd R} \text{ stl } (07)$

15

16



18





























 $1~1/2 \times 1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{cp}~\mathrm{stl}~(07)$

59





 $1\ 1/2 \times 1/5 \ \mathrm{rnd} \ \mathrm{R} \ \mathrm{stl} \ (07)$



















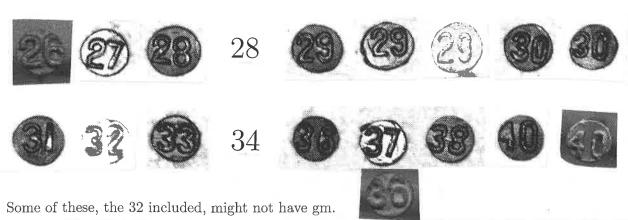
 $1.1/4 \times 1/5 \text{ rnd R stl } (07)$

65





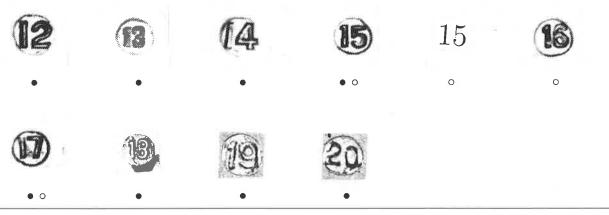
$2~1/2\times3/16~\mathrm{rnd}$ R gm? stl (07)



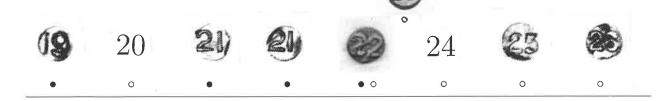
1.0/1.0/10.17



2 1/2 × 7/40 rnd R — stl (07) • = gm; • = no gm



 $2 \frac{1}{2} \times \frac{1}{8} + \text{rnd R} - \text{stl (07)} \quad \bullet = \text{gm}; \circ = \text{no gm}$



 $1\ 1/2 \times 1/8 + \mathrm{rnd}\ \mathrm{R}\ \mathrm{stl}\ (07)$



 $2 1/2 \times 1/4 \text{ dia R stl } (07)$







 $2~1/2\times1/4$ dia R rs stl(07)



15 16









 $2\ 1/4 \times 9/32 \ \mathrm{sqr} \ \mathrm{R} \ \ \mathrm{stl} \ (07)$











 $2 1/2 \times 11/40 \text{ sqr R stl } (07)$



 $2~1/2 \times 1/4~{\rm sqr}~{\rm R}~{\rm stl}~(07)$















 $2~1/2 \times 1/4~{\rm sqr}~{\rm R}~{\rm stl}~(07)~~{\rm (continued)}$



 $2~1/2 \times 1/4~{\rm sqr}~{\rm R}~{\rm rs}~{\rm stl}~(07)$



 $2 \times 1/4 \text{ sqr R stl } (07)$



 $1~1/2\times1/4~{\rm sqr}~{\rm R}~{\rm stl}~(07)$



 $2 \times 3/16 \ \mathrm{sqr} \ \mathrm{R} \ \mathrm{stl} \ (07)$





 $2\ 1/2 \times 1/4$ cut R stl (07)



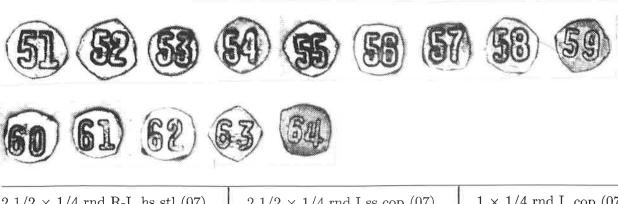
 $2~1/2\times1/4~\mathrm{pnt}$ R rs stl (07)



 $2 1/2 \times 1/4$ hex R rs stl (07)



 $2\ 1/2 \times 1/4\ \text{irr}\ \text{R rs stl}\ (07)$ diamond shank: 51-55,58,59,63; square shank: 52,53,56,57,60-62,64



 $2 1/2 \times 1/4$ rnd R-I hs stl (07)

 $2~1/2\times1/4~\mathrm{rnd}$ I ss cop (07)

 $1 \times 1/4 \text{ rnd I } \text{cop } (07)$



 $1 \ 3/4 \times 3/16 \ \text{rnd I} \ \text{cop} \ (07)$

 $1 \ 1/4 \times 3/16 \ \text{rnd I} \ \text{cop} \ (07)$



03 06 05



10

























 $1 \ 1/4 \times 3/16 \ \text{rnd I cp cop } (07)$















 $1~1/2~\times~3/16~$ rnd I gm cop (07)



12





 $1 \ 1/4 \times 3/16 \ \text{sqr I rs cop} \ (07)$





 $2\ 1/2 \times 1/4 \text{ rnd R} \text{ cop } (07)$

32

 $2 \times 1/4 \text{ rnd R } \text{cop } (07)$



 $2~1/2\times1/4~{\rm sqr}~R~{\rm cop}~(07)$





























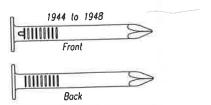






$\mathrm{Type}\,(08)$

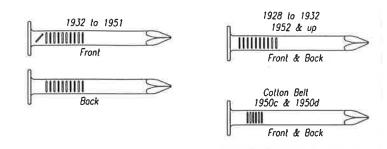
American Steel & Wire Co., Donora works. This mark is the direct predecessor of the double dash mark of type (07).



44 (45) 46	47 48
$2 1/2 \times 1/4 \text{ sqr R stl } (08)$	$2 1/2 \times 1/4 \text{ irr R ss stl } (08)$
45 45	44 49
$2 \times 1/4 \text{ sqr I stl } (08)$	$2 1/2 \times 1/4 \text{ rnd R stl (08)}$
(3) (4) (45)	45) (15)
$2 1/2 \times 1/4 \text{ rnd I stl } (08)$	$2 1/2 \times 1/4 \text{ sqr I stl } (08)$

Type (09)

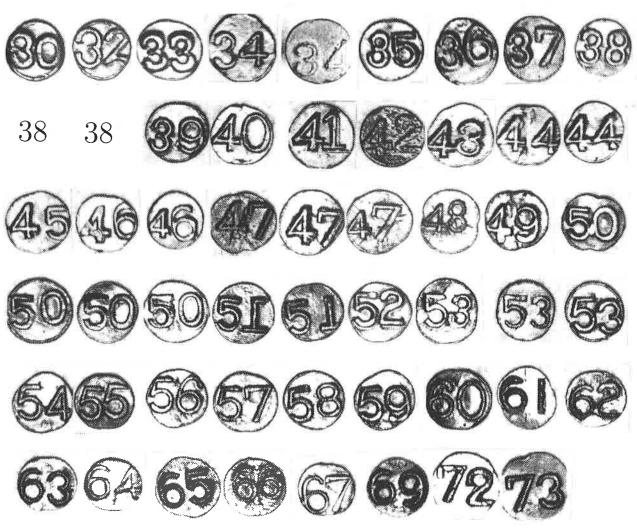
Keystone Steel & Wire Co.



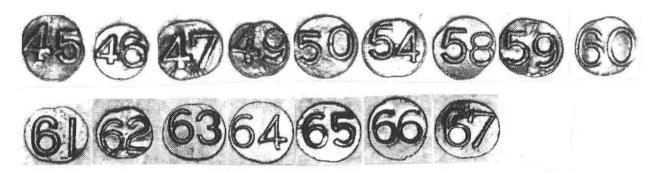
 $2 1/2 \times 1/4 \text{ rnd I stl } (09)$



 $2\ 1/2 \times 1/4 \ \mathrm{rnd} \ \mathrm{R} \ \mathrm{stl} \ (09)$



 $1 \ 1/2 \times 1/4 \ \text{rnd R} \ \text{stl (09)}$



 $2 1/2 \times 1/5 \text{ rnd R gm stl } (09)$

 $1.1/2 \times 1/5 \text{ rnd R} \text{ stl } (09)$

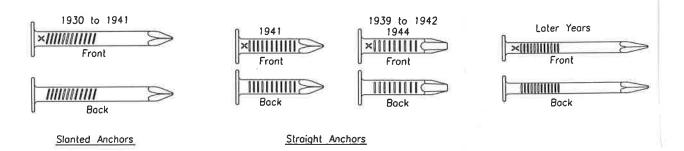


36



Type (10)

Igoe Brothers, Inc.(?), Newark, NJ.



Other companies used an "×" on their shanks. Youngstown Sheet & Tube Co. is another candidate for some of these nails. Based on both the number and shank styles, the 36-44 were made by a different company than the other nails. Also, some nails classified as type (21) were made by the same plant as the (10) 28-34. Both type (10) and (21) need reorganization.

 $2 1/2 \times 1/4 \text{ rnd I stl } (10)$





$2 1/2 \times 1/4 \text{ rnd R} \text{ stl } (10)$

















37

 $1~1/2 \times 1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(10)$





 $1\ 1/2 \times 1/4 \text{ rnd R cp stl (10)}$











 $2\ 1/2 \times 3/16 \text{ rnd R} \text{ stl } (10)$

















Other dates exist











 $2\ 1/4 \times 9/32\ \mathrm{sqr}\ \mathrm{R}\ \mathrm{stl}\ (10)$













Type (11)

American Casting & Manufacturing Corp., Brooklyn, NY.

Malleable Iron - No marks 1910 to 1933

These nails are made of malleable iron. The heads are cast and are welded to the shanks. The shanks are tapered, and the diameters vary greatly near the head. I have assigned all $2 \frac{1}{2}$ " nails the nominal diameter $\frac{1}{4}$ ", and the other nails, from 1" up to 2", the diameter 3/16". Though shorter nails do have thinner shanks, it is the length which matters for type (11)

The rnd R nails come in different lengths, with identical heads. Lengths are given below the photos for these.

 $2\ 1/2 \times 1/4\ \mathrm{rnd}\ \mathrm{I}\ \mathrm{mi}\ (11)$







15





 $2 1/2 \times 1/4 \text{ rnd I gm mi (11)}$



 $2 \times 3/16 \text{ rnd I mi } (11)$



 $1 \ 1/4 \times 3/16 \ \text{rnd I} \ \text{mi} \ (11)$



 $2 \frac{1}{2} \times \frac{1}{4} \text{ rnd R mi (11)}.$ Other lengths are noted.



















































1

2

 $1 \, 1/4$

11/4, 2

11/4, 2

11/2, 2

 $2~1/2\times1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{mi}$ (11). Other lengths are noted. (continued)











2

2

 $2~1/2 \times 1/4~{\rm sqr}~{\rm R}~{\rm rs}~{\rm mi}~(11)$







 $2~1/2\times1/4$ tri R rs mi(11)





 $2~1/2\times1/4$ bowtie R rs mi(11)





 $2 1/2 \times 1/4$ cross R rs mi (11)





 $2 1/2 \times 1/4$ octagon R rs mi (11)

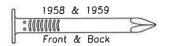


 $2~1/2 \times 1/4$ tombstone R rs mi(11)



Type (12)

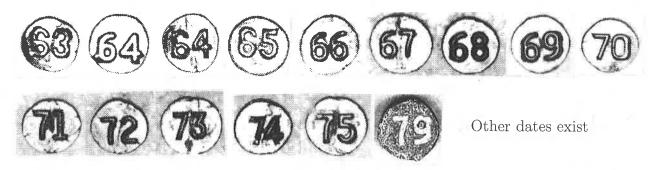
Columbia-Geneva Steel Division of U.S. Steel.(?)



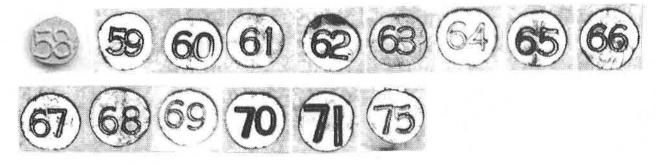




 $2 1/2 \times 1/4 \text{ rnd I stl } (12)$



 $2~1/2 \times 1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(12)$



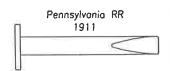
 $2~1/2 \times 1/4~{\rm sqr}~{\rm R}~{\rm stl}~(12)$





Type (13)

John Milliken & Co., Belfast, Ireland.



This company made the cast nails found in England, Belgium, and New Zealand. Wiswell and Evans classified the thick Pennsylvania 11 as type (13). I think that they were wrong, but I have no suggestions as to who really made the nail.

 $2~1/2\times5/16~\mathrm{rnd}~\mathrm{I}~\mathrm{cp}~\mathrm{mi}$ (13)





Type (14)

Jones & Laughlin Steel Co.



This mark was used on Jones & Laughlin's 1915 round date nails, and on many code (letter) nails used by the Buffalo, Rochester & Pittsburgh. These code nails seem to have been manufactured in two lots: one in 1915 and another in 1926. The 15 is also pictured with the type (05) nails.

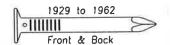
 $2~1/2 \times 1/4~\mathrm{rnd}~\mathrm{I}~\mathrm{stl}~(14)$

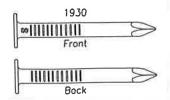


Type (17)

Sheffield Steel Corp. $\,$

Note that the heads are slightly cup-shaped, which helps in identifying nails of this type.





 $1 \ 3/4 \times 11/40 \ \text{rnd I} \ \text{stl (17)}$



 $1 \ 3/4 \times 1/4 \ \text{rnd I} \ \text{stl (17)}$

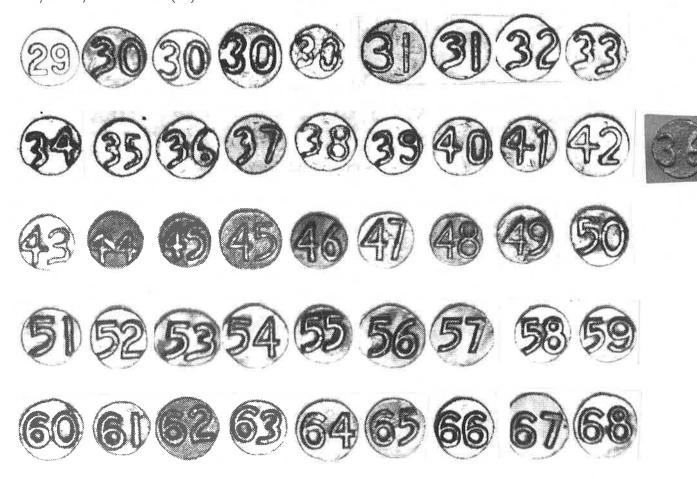




 $1 1/2 \times 1/4 \text{ rnd I stl } (17)$



 $2 1/2 \times 1/4 \text{ rnd R} \text{ stl } (17)$





 $2 \times 1/4 \text{ rnd R} \text{ stl } (17)$



 $1 3/4 \times 1/4 \text{ rnd R} \text{ stl } (17)$



30

 $1 \times 1/4 \text{ rnd R stl } (17)$



 $2 1/2 \times 1/4 \text{ sqr R stl } (17)$



41

 $2\ 1/2 \times 1/4 \text{ sqr R rs stl } (17)$



 $2~1/2\times1/4$ pnt R rs stl (17)



Type (18)

Colorado Fuel & Iron Corp., Pueblo, CO.

See also types (18A), (18B), and (18C). This is the only company whose WESIS numbers were broken up, based on different shank markings, into A, B, etc. by Wiswell and Evans. Square nails are not normally easy to place as (18A), (18B), or (18C), so I just label them (18).

 $1 \times 1/8 + \text{rnd I hs gm stl } (18)$

 $2 1/2 \times 1/4 \text{ dia I stl } (18)$







These probably represent 1958 and 1959.

 $2 1/2 \times 1/4 \text{ sqr I stl } (18)$

16, 17, 18, 20, 22, and 39 exist



















 $2 1/2 \times 1/8 + \text{rnd R gm stl (18)}$













































These nails can be identified as (18A), (18B), or, for the 36, (18C). Those which have been identified are also shown in (18A) and (18B). Some have gm, some don't.

24

$2 1/2 \times 1/4 \text{ sqr R stl } (18)$



Type (18A)

Colorado Fuel & Iron Corp., Pueblo, CO. This mark was used to 1934.



 $2 1/2 \times 1/4 \text{ rnd I stl (18A)}$

A 2 also exists, probably a date























22









 $2\,\times\,1/4$ rnd I $\,$ stl (18A)



 $1~3/4\times11/40~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(18\mathrm{A})$



 $2 1/2 \times 1/4 \text{ rnd R} \text{ stl (18A)}$

22

24

25





 $2 \times 1/4 \text{ rnd R stl (18A)}$







28

 $2~1/2\times1/8+~\mathrm{rnd}$ R gm stl (18A)





Type (18B)

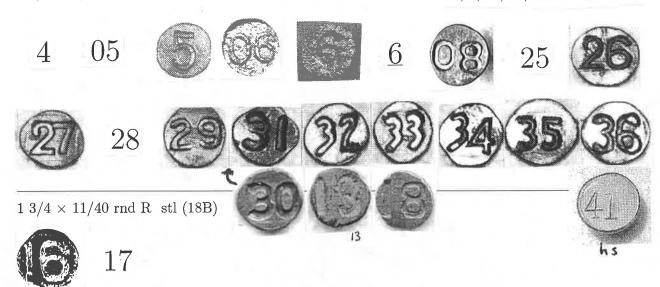
Colorado Fuel & Iron Corp., Pueblo, CO.



This mark was used mainly to 1936 (there is a 39), probably at different works from the type (18A) nails.

 $2 1/2 \times 1/4 \text{ rnd I stl (18B)}$

1, 2, 04, 16, and 17 also exist



 $2 1/2 \times 1/4 \text{ rnd R stl (18B)}$



The 21:a and 22 were not made by Colorado Fuel & Iron. They still need to placed properly.

 $2 \times 1/4 \text{ rnd R} \text{ stl (18B)}$



$2~1/2 \times 1/5~\mathrm{rnd}~\mathrm{R}~\mathrm{gm}~\mathrm{stl}~(18\mathrm{B})$



 $2~1/2~\times~3/16~\mathrm{rnd}~\mathrm{R}~\mathrm{gm}~\mathrm{stl}$ (18B)























 $2\ 1/2 \times 1/8 + \mathrm{rnd}\ \mathrm{R}\ \mathrm{stl}\ (18\mathrm{B})$















 $2 1/2 \times 1/8 + \text{rnd R gm stl (18B)}$







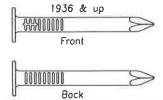




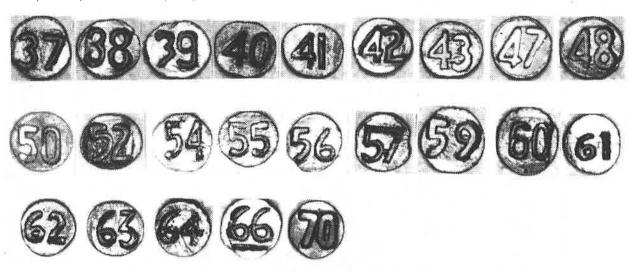


$\mathrm{Type}\,(18\mathrm{C})$

Colorado Fuel & Iron Corp., Pueblo, CO. This mark was used beginning 1936.



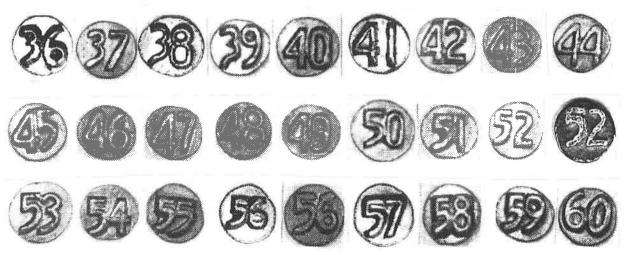
 $2\ 1/2 \times 1/4\ \mathrm{rnd}\ \mathrm{I}\ \mathrm{stl}\ (18\mathrm{C})$



 $2 \times 1/4 \text{ rnd I stl (18C)}$



 $2 1/2 \times 1/4 \text{ rnd R} \text{ stl (18C)}$



(continued)

 $2\ 1/2 \times 1/4 \text{ rnd R} \text{ stl (18C)}$



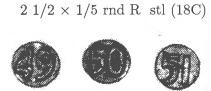


 $2 \times 1/4 \text{ rnd R} \text{ stl (18C)}$



 $1 3/4 \times 1/4 \text{ rnd R} \text{ stl (18C)}$

51 53 54 55



 $2\ 1/2 \times 3/16\ \mathrm{rnd}\ \mathrm{R}\ \mathrm{stl}\ (18\mathrm{C})$



 $2~1/2\times3/16~\mathrm{rnd}~\mathrm{R}~\mathrm{gm}~\mathrm{stl}$ (18C)







 $1~1/2 \times 3/16~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(18\mathrm{C})$











 $2\ 1/2 \times 1/8 + \mathrm{rnd}\ \mathrm{R}\ \mathrm{stl}\ (18\mathrm{C})$

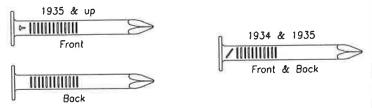


 $2~1/2~\times~1/4~\mathrm{pnt}$ R rs stl (18C)



Type (19)

Tennessee Coal Iron & Railroad Co., later the Tennesse Coal & Iron Division of U.S. Steel Co., Fairfield, AL.



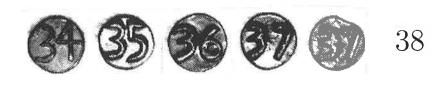
The "T' on the shank is short in comparison with type (14). This company had a dual identity. They ran a tie treating plant built in 1909 in Birmingham, AL, and operated track in that vicinity. They also had the steel mill where they manufactured date nails.

 $2 1/2 \times 1/4 + \text{rnd R stl (19)}$



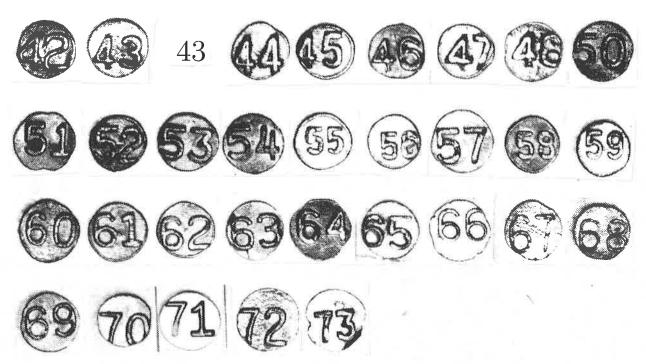
This nail measures .262" in diameter. It is made from no. 2 gauge wire.

 $2~1/2~\times~1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(19)$





 $2\ 1/2 \times 1/4\ \mathrm{rnd}\ \mathrm{R}\ \mathrm{stl}\ (19)$ (continued)



 $2 \times 1/4$ rnd R stl (19)

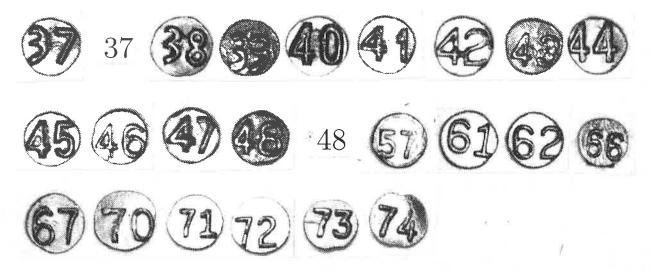


 $1 3/4 \times 1/4 \text{ rnd R} \text{ stl } (19)$



53

 $1 1/2 \times 1/4 \text{ rnd R} \text{ stl } (19)$

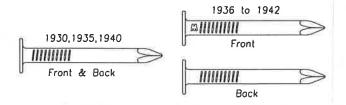


 $2 1/2 \times 1/5 \text{ rnd R gm stl (19)}$



$\mathrm{Type}\,(21)$

Wheeling Steel Corp.



Wheeling definitely made the nails with the sideways "W" on the shanks, but other nails are more connected with type (10). These two types need to be reorganized.

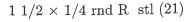
 $2 \frac{1}{2 \times 1/4 \text{ rnd I stl (21)}}$ $2 \frac{1}{2 \times 1/4 \text{ rnd R stl (21)}}$





 $2 \times 1/4 \text{ rnd R} \text{ stl } (21)$











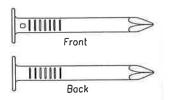




 $\mathrm{Type}\,(22)$

Unknown company, but certainly a works of the American Steel & Wire Co.

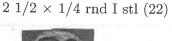
The small square is sometimes faint.



 $2~1/2\times1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(22)$



This nail has been attributed to type (18B) before.





Type (23)

Unknown company.

 $2 1/2 \times 1/4 \text{ rnd R stl } (23)$



Front & Back

 $2 \times 1/4 \text{ rnd R} \text{ stl } (23)$



42

 $1\ 1/2 \times 1/4 \text{ rnd R stl } (23)$

 $1 \ 1/2 \times 1/4 \ \text{rnd I} \ \text{stl (23)}$





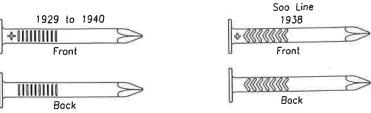








Type (24) Bethlehem Steel Co.



There is a connection between this company and type (01)'s Townsend Co. Type (01) date nails end roughly the same time type (24) nails begin (1931), and the number styles are similar. Then there is the Soo Line 38, which has the marks of both companies on its shank.

 $2 1/2 \times 1/4 \text{ rnd R} \text{ stl } (24)$



34



80

37







The 38 comes with both shank styles.

 $2~1/2~\times~1/4~\mathrm{rnd}$ R ss stl (24)



 $2 \times 1/4 \text{ rnd R stl } (24)$

36

 $1.1/2 \times 1/4 \text{ rnd R stl } (24)$



35













 $1 \frac{1}{2} \times \frac{1}{4}$ rnd R cp stl (24)



 $2~1/2\times1/5~\mathrm{rnd}$ R gm stl (24)

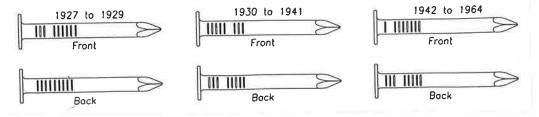


 $2~1/2 \times 1/4~\mathrm{sqr}~\mathrm{R}~\mathrm{stl}~(24)$

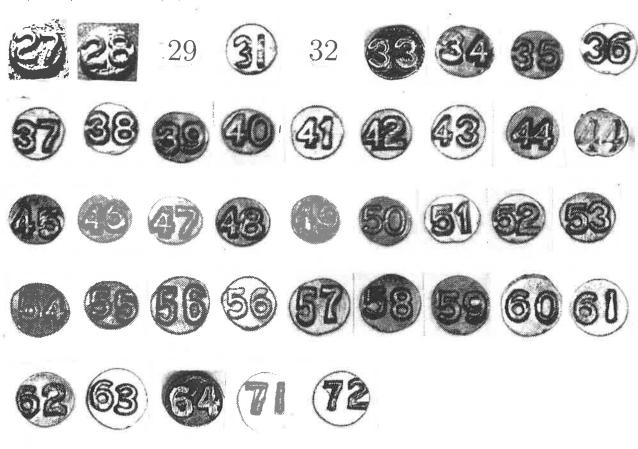


$\mathrm{Type}\,(25)$

Continental Steel Corp.



 $2\ 1/2 \times 1/4 \ \mathrm{rnd} \ \mathrm{R} \ \mathrm{stl} \ (25)$



 $1 1/2 \times 1/4 \text{ rnd R} \text{ stl } (25)$



 $1~1/2\times1/4~\mathrm{rnd}$ R cp stl(25)



 $1~3/4\times3/16~\mathrm{rnd}$ R gm stl (25)



 $1 1/4 \times 3/16 \text{ rnd R} \text{ stl } (25)$



















 $2~1/2\times1/4~{\rm irr}~{\rm R}~{\rm ss}~{\rm stl}~(25)$

41



Type (31)

Unknown Mexican company.



 $2 1/2 \times 1/4 \text{ rnd R stl (31)}$















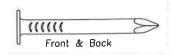




Type (32)

Unknown Mexican company.

The nails with hash marks were used by National Railways of Mexico.



 $2 1/2 \times 1/4 \text{ rnd I stl } (32)$



 $2~1/2\times1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(32)$

































 $1 1/2 \times 1/4 \text{ rnd R stl } (32)$













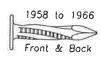


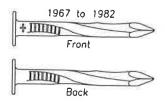


Type (37)

The Steel Company of Canada, Ltd. A box of these nails was labeled "Stelco nails / Ardox, spiral".

Twisted square shank. Some nails after 67 do not have the "÷" on the shank.

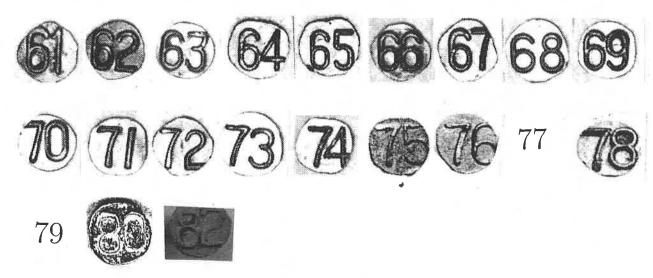




 $2 1/2 \times 1/4$ rnd R ts stl (37)



 $1 \frac{1}{2} \times \frac{1}{4} \operatorname{rnd} R \operatorname{ts} \operatorname{stl} (37)$



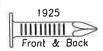
 $1~1/2 \times 1/5~\text{rnd}~R$ ts stl (37)

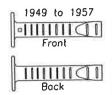


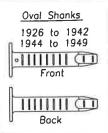
Type (38)

Round Shanks

Probably made by
The Steel Company of Canada, Ltd.







 $2 1/2 \times 1/4$ rnd R os cp stl (38)

 $1 1/2 \times 1/4 \text{ rnd R stl } (38)$

















 $1 \frac{1}{2} \times \frac{1}{4}$ rnd R cp stl (38)



















 $1.1/2 \times 1/4$ rnd R os cp stl (38)













































Type (39)

Unknown Canadian company.

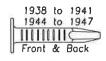
Oval Shanks





Round Shonks







Copper

TH&B RR





 $2 1/2 \times 1/4 \text{ rnd I stl } (39)$

22

23

 $2 \times 1/4 \text{ rnd I stl } (39)$



 $1.1/2 \times 1/4 \text{ rnd R stl (39)}$







34







 $1.1/2 \times 1/4 \text{ rnd R cp stl (39)}$



















 $1~1/2 \times 1/4~\mathrm{rnd}$ R os cp stl (39)

27



29





32



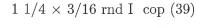
33



$1 1/2 \times 1/5 \text{ rnd R stl } (39)$



 $1 \frac{1}{4} \times \frac{1}{4} \text{ rnd I cop (39)}$









Set #2, used by Hydro Electric Power Co. in poles.

 $2~1/2\times1/4~\mathrm{rnd}$ R os cp stl (39)

 $1~1/2 \times 1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{cp}~\mathrm{stl}~(39)$











 $1~1/2\times1/4~\mathrm{rnd}$ R os cp stl (39)





































 $1\ 1/2 \times 1/4$ rnd R os cp stl (39) Overstrike: 42/1.

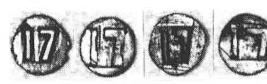


Type (40)

Unknown company.

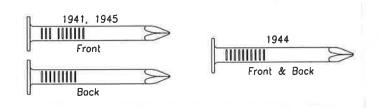


 $2 \frac{1}{2} \times \frac{1}{4} \text{ rnd I stl } (40)$



Type (47)

American Steel & Wire Co., Duluth Works.



 $2 1/2 \times 1/4 \text{ rnd R stl } (47)$







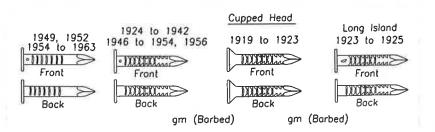






Type (60)

C. G. Hussey & Co., Pittsburgh, PA. Note: The $1 \frac{1}{4} \times \frac{3}{20}$ rnd I cop 49, and the 1 $1/4 \times$ 3/20 rnd I alm 47, 48 were made by Clendenin Bros. of Baltimore.

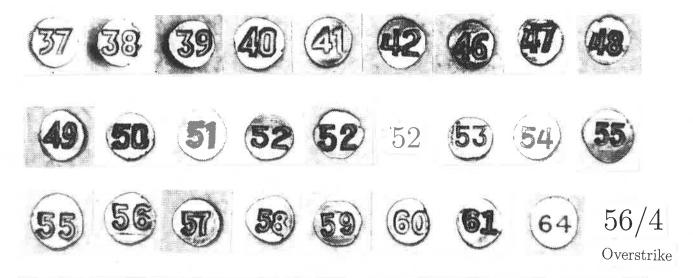


 $2 1/2 \times 1/4 \text{ rnd I } \text{cop } (60)$



 $1 \ 3/4 \times 3/16 \ \text{rnd I} \ \text{cop (60)}$

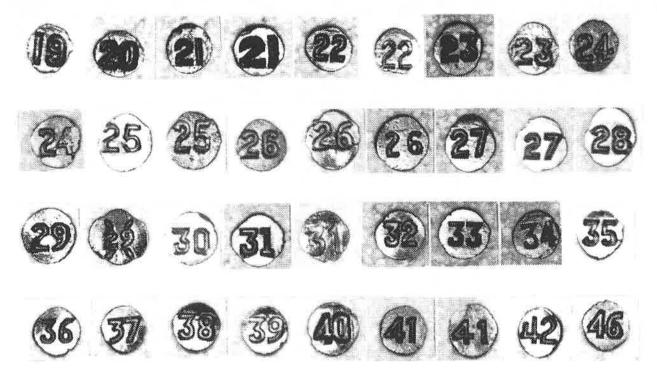
 $1~3/4\times3/16~\mathrm{rnd}~\mathrm{I}~\mathrm{gm}~\mathrm{cop}~(60)$. The 58-64 might not have gm,



 $1\ 1/4 \times 3/16\ \mathrm{rnd}\ \mathrm{I}\ \mathrm{cop}\ (60)$



 $1~1/4\times3/16~\mathrm{rnd}$ I gm cop (60)



 $1\ 1/4 \times 3/16\ \mathrm{rnd}\ \mathrm{I}\ \mathrm{gm}\ \mathrm{cop}\ (60)$ (continued)



54





 $1~1/4 \times 3/20~\mathrm{rnd}~\mathrm{I}~\mathrm{cop}~(60)$



 $1\ 1/4 \times 3/16 \ {\rm sqr} \ {\rm I} \ {\rm cop} \ (60)$

30

 $1 \frac{1}{4} \times \frac{3}{16} \operatorname{sqr} I \operatorname{rs} \operatorname{gm} \operatorname{cop} (60)$







29





 $1 \ 1/4 \times 1/5 \ rnd \ R \ gm \ cop (60)$

34





 $1 \ 3/4 \times 3/16 \ \text{rnd} \ R \ \text{gm cop (60)}$



 $1 \ 1/2 \times 3/16 \ \text{rnd} \ R \ \text{gm cop} \ (60)$







 $1~1/4\times3/16~\mathrm{rnd}~\mathrm{R}~\mathrm{gm}~\mathrm{cop}~(60)$





































 $1 \frac{1}{4} \times \frac{3}{16} \text{ rnd R gm cop (60)}$ (Continued)









50

51

There exist further variations for 36 through 39 and 46.

 $1~1/4\times3/16~\mathrm{rnd}$ R C-rim cop (60)











Some variations









 $1\ 3/4 \times 3/16\ \mathrm{rnd}\ \mathrm{I}\ \mathrm{alm}\ (60)$











 $1\ 1/4 \times 3/16 \text{ rnd I} \text{ alm } (60)$



 $1 \ 1/4 \times 3/20 \ \text{rnd I} \ \text{alm (60)}$















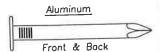


Type (61)

John Hassall, Inc., Westbury, NY. This company still makes date nails.







 $2 1/2 \times 3/16 \text{ rnd R stl (61)}$

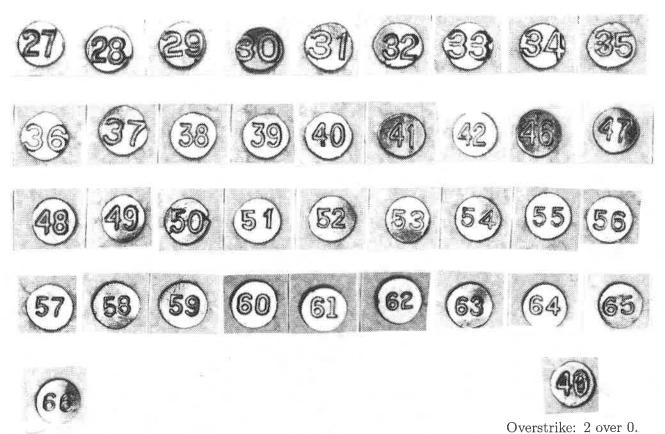


Factory sample.

 $13/4 \times 3/16 \text{ rnd I cop } (61)$



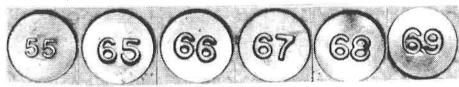
 $1 \ 1/4 \times 3/16 \ \text{rnd I} \ \text{cop (61)}$



 $1 \ 1/4 \times 3/16 \ \text{rnd R} \ \text{cop (61)}$



 $2 1/4 \times 1/4 \text{ rnd I alm } (61)$

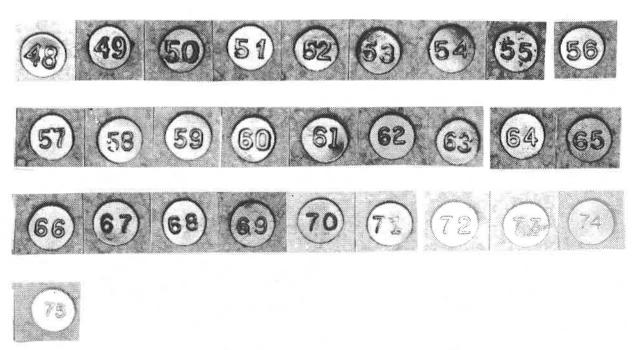


 $2 \times 1/4$ rnd I alm (61)

 $1 \ 1/2 \times 1/4 \ \text{rnd I} \ \text{alm (61)}$

65

 $2\times 3/16 \ \mathrm{rnd} \ \mathrm{I} \ \ \mathrm{alm} \ (61) \quad \mathrm{Set} \ \#1.$



 $2 \times 3/16$ rnd I alm (61) Set #2.



These may be of a different manufacturer.

$1 \ 3/4 \times 3/16 \ \text{rnd I} \ \text{alm (61)}$	$1 \ 1/4 \times 3/16 \ \text{rnd I} \ \text{alm (61)}$
79	60 64 65 70
$3/4 \times 3/16 \text{ rnd I alm (61)}$	$2 1/2 \times 1/4 \text{ rnd R} \text{ alm (61)}$
(64)	72

Type (63)

Unknown company



Maryland & Pennsylvania 1938 to 1940 Front & Bock gm (Borbed)

 $1 \ 1/2 \times 3/16 \ \text{rnd I} \ \text{cop (63)}$

 $1 \ 1/4 \times 3/16 \ \text{rnd I} \ \text{cop (63)}$

30

31

 $1 \frac{1}{4} \times \frac{3}{16} \text{ rnd I cp cop } (63)$









 $1~1/4 \times 3/16~\mathrm{rnd}~\mathrm{I~gm~cop}$ (63)







Type (64)

Unknown company

 $2 1/2 \times 1/4 \text{ rnd I stl } (64)$



18



1918, 1919, 1926, 1929



 $1 \ 1/4 \times 1/4 \ \text{rnd I} \ \text{cop} \ (64)$





Type (66)

Unknown company

 $1 \ 1/4 \times 3/16 \ \text{rnd I} \ \text{cop (66)}$





1922 addagaa gm (Barbed)

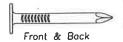


 $1.1/4 \times 3/16 \text{ rnd I gm cop } (66)$



$\mathrm{Type}\left(69\right)$

Unknown company



 $1 \ 3/4 \times 3/16 \ \mathrm{rnd} \ \mathrm{I} \ \mathrm{alm} \ (69)$



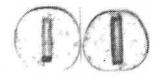
Type ()

Unknown companies, unclassified anchor markings.

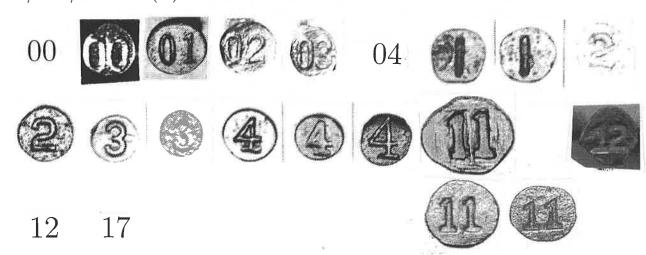




 $2 \times 5/16 \text{ rnd I stl}$ ()



 $2 1/2 \times 1/4 \text{ rnd I stl (})$



 $2 1/2 \times 1/4 \text{ sqr I rs stl}$ ()





 $2 1/2 \times 1/4 \text{ rnd R stl ()}$

21

22

24

25 27





The 29 and 30 are similar to type (05) and (39), but there is a chance they are (24).

 $2 1/2 \times 1/4 \text{ rnd R ss stl}$ ()

 $2 \times 1/4 \text{ rnd R stl}$ ()

38

 $2 1/2 \times 1/4 \text{ rnd I hs? stl ()}$



 $1 \frac{1}{2} \times \frac{1}{4} \text{ rnd I hs? stl ()}$



 $2 1/2 \times 1/4$ - rnd R stl ()

28

30

31



33

 $2\ 1/2 \times 1/4 \ \mathrm{rnd} \ \mathrm{R} \quad \mathrm{stl} \ (\quad)$





 $2 \times 1/4$ - rnd R stl ()

34

35

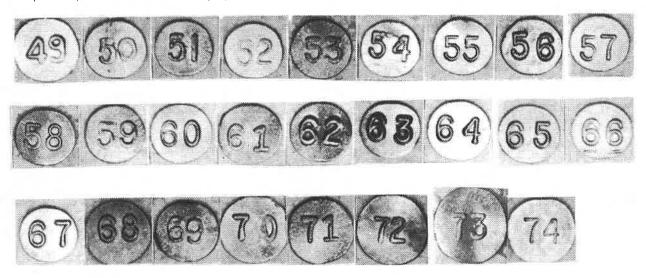
36

 $1 \ 1/4 \times 1/5 \ \text{rnd I cop} ()$

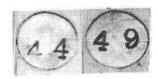
53

The shank measures .210".

 $1~1/2 \times 1/4~{\rm rnd}~{\rm R}$ os cp alm ()



 $1 1/2 \times 1/4 \text{ rnd R hs alm } ()$



 $3\times1/4$ rnd I gm brs () Manufactured by Premax Co., Niagara Falls, NY (www.premaxlp.com). They also make 1 1/2" aluminum nails. Most are shown with representative washers. Several have been found in ties without washers.

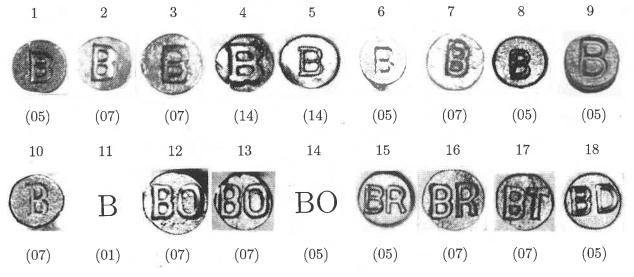


Nails showing only letters

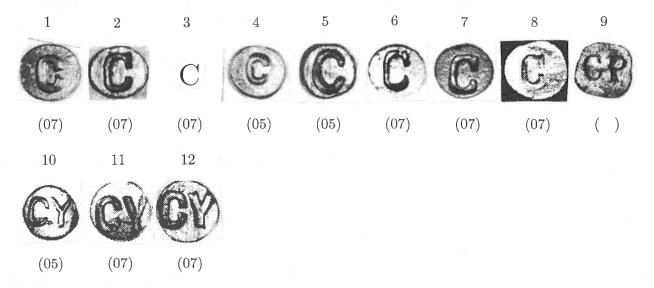
Steel, round indent. All are $2.1/2 \times 1/4$ except where noted.

1	2	3	4	5	6	7	8	9
A			A	A	A	A	AD	AY
(05)	(05)	(07)	(07)	(07)	(06)	(05)	(05)	(17)
A 1-3 4	Ash. Buff Southern	falo, Roche Pacific.	ster & Pitt	sburgh.				

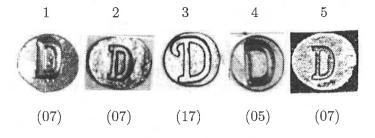
- - Ash. Chicago, Burlington & Quincy. 5
 - 2". Pennsylvania RR. 6,7
 - AD. 2". Pennsylvania RR.
 - AY. 1 1/2". Des Moines & Central Iowa. 9



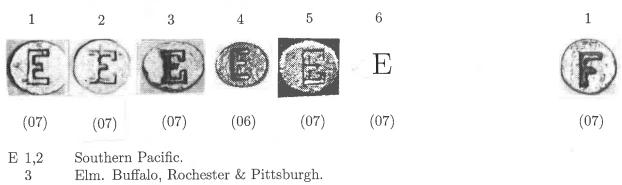
- B 1-6 Beech. Buffalo, Rochester & Pittsburgh.
 - Southern Pacific. 7
 - 8,9 2". Pennsylvania RR.
 - Red birch. Chicago, Burlington & Quincy. 10
 - Mississippi River & Bonne Terre. 11
 - BO. Black oak. Buffalo, Rochester & Pittsburgh. 12 - 14
 - BR. Birch. Buffalo, Rochester & Pittsburgh. 15,16
 - BT. Pole nail from the St. Louis, MO area. 17
 - BD. 2". Pennsylvania RR. 18



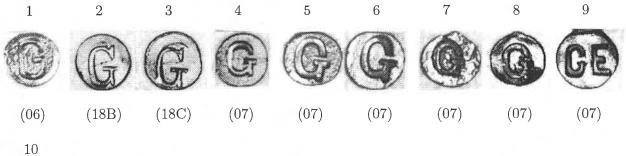
- C 1 Unknown.
 - 2 Southern Pacific RR and Buffalo, Rochester & Pittsburgh RR. On the BR&P it stands for Chestnut.
 - 3 Chestnut. Buffalo, Rochester & Pittsburgh.
 - 4,5 2". Pennsylvania RR. C #4 has also been found with a 2 1/2" shank, source unknown.
 - 6,7 Indiana-Michigan Electric.
 - 8 Cypress. Chicago, Burlington & Quincy.
 - 9 CP. $1.1/2 \times 3/32$. Missouri Pacific. (The diameter measurement is probably not accurate.)
 - 10-12 CY. Cherry. Buffalo, Rochester & Pittsburgh.



- D 1 Unknown.
 - 2 Southern Pacific.
 - 3 1 1/4". Dierks.
 - 4 2". Pennsylvania RR.
 - 5 Cottonwood. Chicago, Burlington & Quincy.

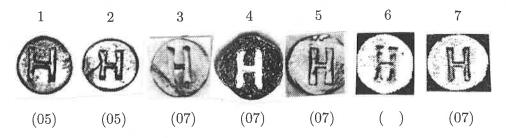


- 4 Chicago & Northwestern.
- 5 White elm. Chicago, Burlington & Quincy.
- 6 Pennsylvania RR. Similar to E #1.
- F 1 Southern Pacific.

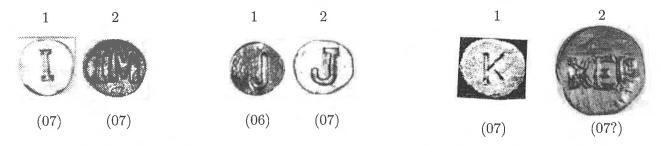




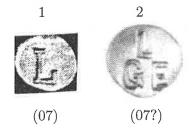
- (07)
- G 1-3 California. Indicates a buried gas line near the pole into which the nail was driven.
 - 4,5 Used as the "G" in "IGS" by Indiana General Service.
 - 6,7 Southern Pacific.
 - 8 Gum. Buffalo, Rochester & Pittsburgh.
 - 9,10 GE. Unknown Electric.



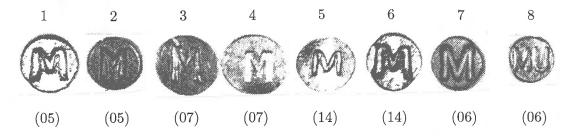
- H 1-4 Hickory. Buffalo, Rochester & Pittsburgh.
 - 5 Southern Pacific.
 - 6 Hasselmann treatment. Chicago, Burlington & Quincy.
 - 7 Hemlock. Chicago, Burlington & Quincy.



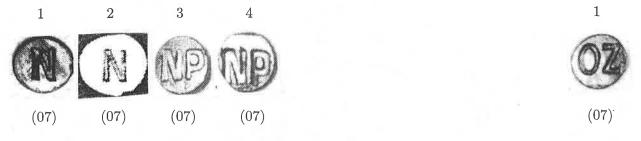
- I 1 Beech. Chicago, Burlington & Quincy.
 - 2 IM. Indiana & Michigan Electric Co.
- J 1 California. Joint ownership of pole.
 - 2 Southern Pacific.
- K 1 Pignut hickory. Chicago, Burlington & Quincy.
 - 2 KEP. 2" and 2 1/2". Kansas Electric Power.



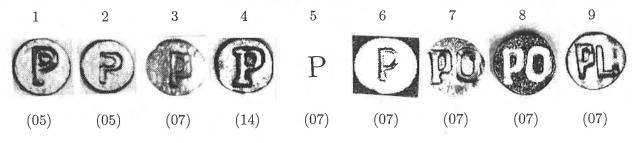
- L 1 Poplar. Chicago, Burlington & Quincy.
 - 2 L/GE.Nebraska.



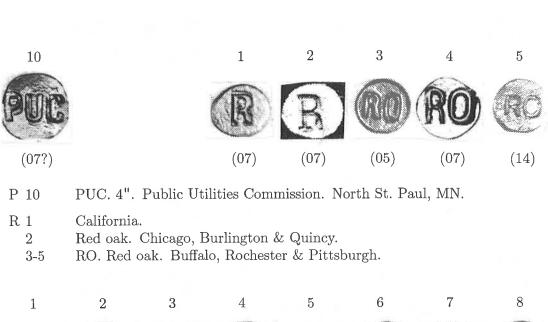
- M 1-6 Maple. Buffalo, Rochester & Pittsburgh.
 - 7 California.
 - 8 MU. Unknown.

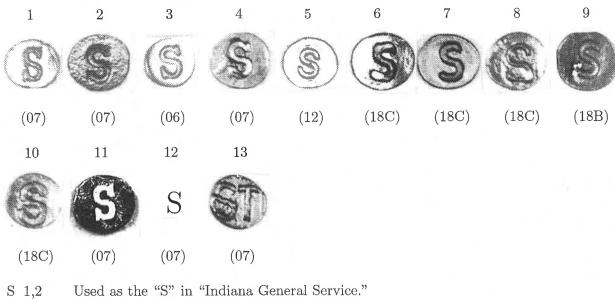


- N 1 Northwestern Electric Co. Portland, OR and Vancover, WA.
 - 2 Pin oak. Chicago, Burlington & Quincy.
 - 3,4 NP. Nebraska Power Co. Omaha.
- O 1 OZ. Oil-Zinc treated. Santa Fe.

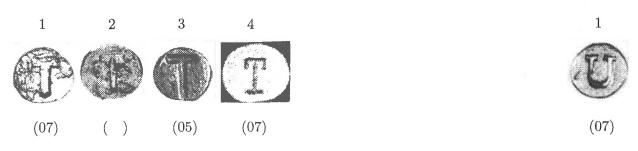


- P 1-4 Pine. Buffalo, Rochester & Pittsburgh.
 - 5 Chicago & Northwestern.
 - 6 Loblolly pine. Chicago, Burlington & Quincy.
 - $7,\!8$ $\,$ PO. Pin oak. Buffalo, Rochester & Pittsburgh.
 - 9 PL. People's Light Co., Davenport, IA.

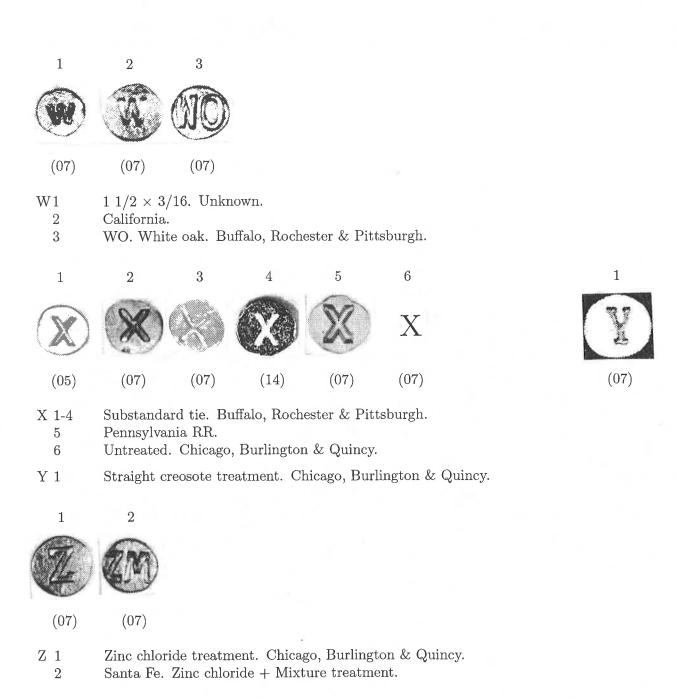




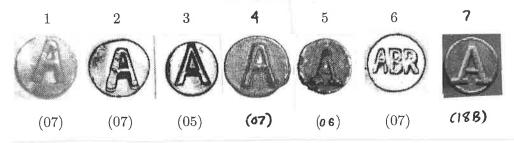
S 1,2 Used as the "S" in "Indiana General Service."
3-10 Salvaged pole. Southern California Edison Co.
11 Sycamore. Buffalo, Rochester & Pittsburgh.
12 Sycamore. Chicago, Burlington & Quincy.
13 ST. Steam Treatment or Special Treatment. Santa Fe.



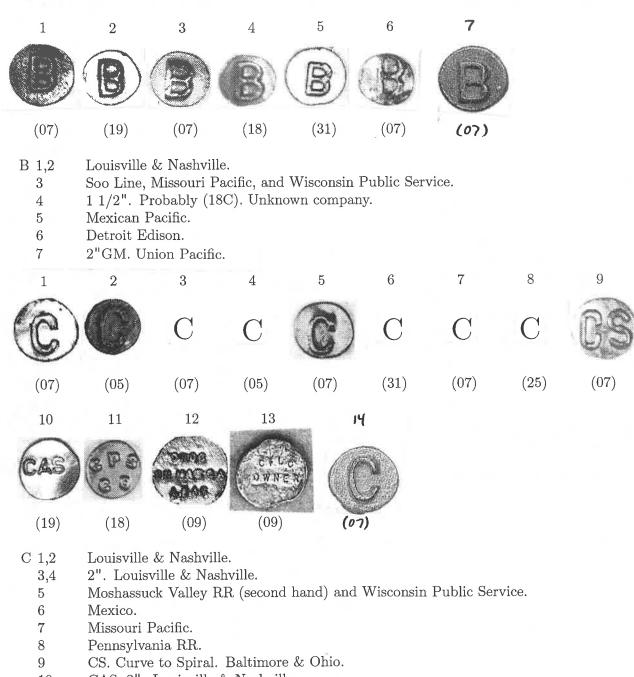
- T 1,2 Possibly a treatment company. Minnesota.
 3 2". Pennsylvania RR.
 4 Tamarack. Chicago, Burlington & Quincy.
- U 1 Utah Power & Light.



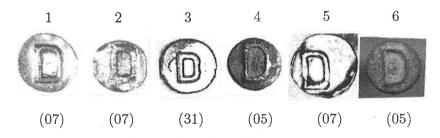
Steel, round raised. All are $2 1/2 \times 1/4$ except where noted.



- A 1-3, 5 Louisville & Nashville. #5 is 2".
 - 4 2"GM. Union Pacific.
 - 6 ABR. Soo Line.
 - 7 Montana Power.



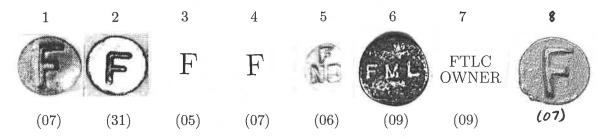
- 10 CAS. 2". Louisville & Nashville.
- 11 CPS CO. Unknown.
- 12 CROC / SN MAT CA / LEAS. Illinois Central Gulf.
- 13 CILC / OWNER. Illinois Central Gulf.
- 14 2"GM. Union Pacific.



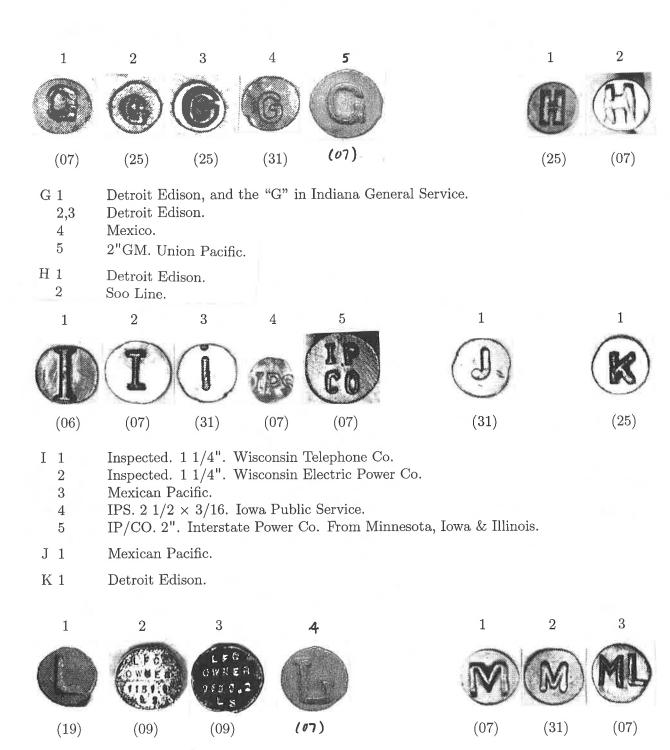
- D 1 Wisconsin Public Service.
 - 2 Detroit Edison.
 - 3 National Railways of Mexico.
 - 4,5 Louisville & Nashville.
 - 6 2". Louisville & Nashville.



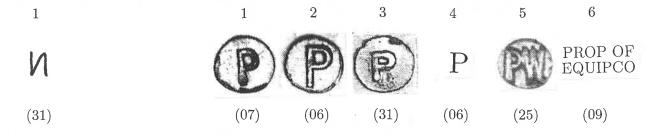
- E 1 Louisville & Nashville.
 - Soo Line, Detroit Edison, and Tri-States Telephone & Telegraph "East" (see "W" for "West").
 - 3 Mexico.
 - 4 EQUI / LEASE. Illinois Central Gulf.



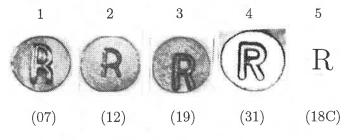
- F 1 Detroit Edison.
 - 2 Mexico.
 - 3 2". Louisville & Nashville.
 - 4 Louisville & Nashville.
 - 5 F/NB. $13/4 \times 3/16$. Chicago & Northwestern.
 - 6 FML. Illinois Central Gulf.
 - 7 FTLC / OWNER. Illinois Central Gulf.
 - 8 2"GM. Union Pacific.



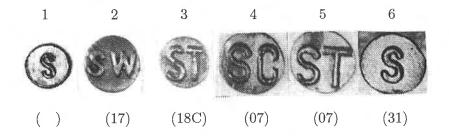
- L 1 2". Louisville & Nashville. Used as a "7".
 - 2 LFC / OWNER / 1151.1 / LS. Illinois Central Gulf.
 - 3 $\,$ LFC / OWNER / 1151.2 / LS. Illinois Central Gulf.
 - 4 2"GM. Union Pacific.
- ${\rm M}\; {\rm 1}$ $\,$ $\,$ Missouri Pacific, Soo Line.
 - 2 National Railways of Mexico.
 - 3 ML. Municipal Light. Lincoln, NE.



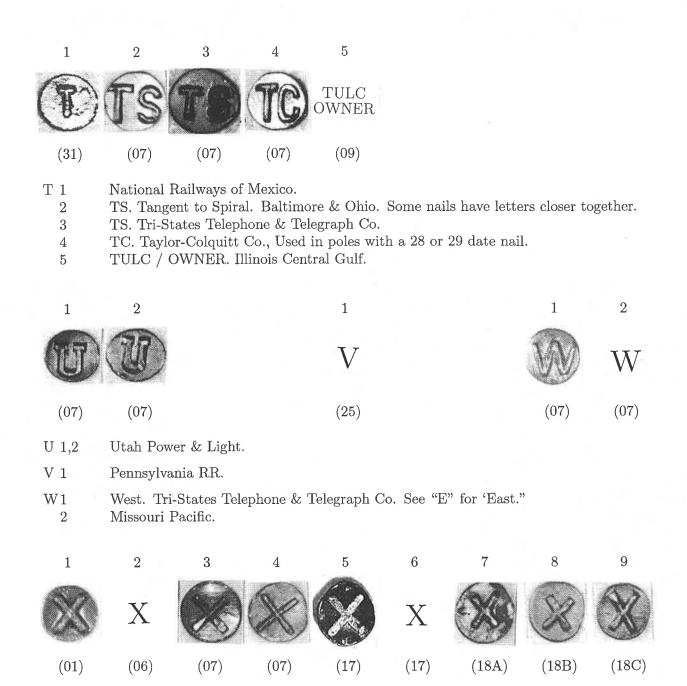
- N 1 Mexican Pacific.
- P 1 Duluth, Missabe & Iron Range.
 - 2 Chesapeake & Ohio.
 - 3 National Railways of Mexico, Mexican Pacific.
 - 4 Union RR. Possiby the same as P #2.
 - 5 PW. Public Works Administration. Illinois Central. Used in 1934.
 - 6 PROP OF / EQUIPCO. Illinois Central Gulf.



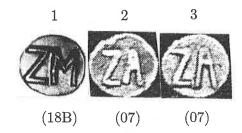
- R 1 Missouri Pacific, Soo Line.
 - 2 "Reclaimed" pole in California and Arizona.
 - 3 1 1/2". Unknown.
 - 4 Mexican Pacific.
 - 5 Chicago Transit Authority and Rock Island.



- S 1 Unknown.
 - 2 Southwest Creosoting Co. Found with 2" 39 date nail.
 - 3 ST. Steam Treatment or Special Treatment. Santa Fe.
 - 4 SC. Spiral to Curve. Baltimore & Ohio.
 - 5 ST. Spiral to Tangent. Baltimore & Ohio.
 - 6 Mexican Pacific.



X 1-9 Substandard tie. Santa Fe.



(07)

Y 1 Missouri Pacific, Soo Line.

Z 1 ZM. Zinc + Mixture treatment. Santa Fe.

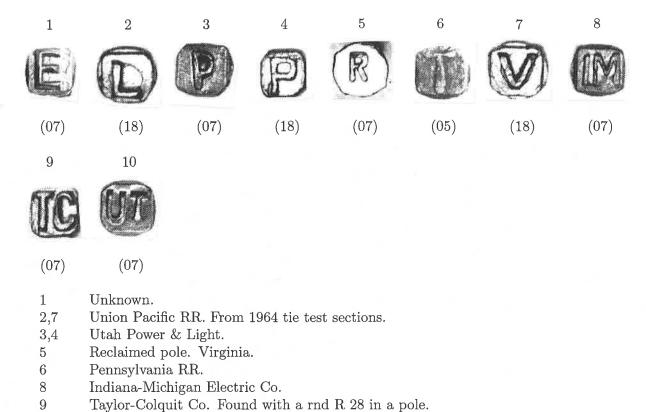
2,3 ZA. Zinc-meta-Arsinite. Chicago, Burlington & Quincy. From a 1929 test section.

Steel, square indent. All are $2 \frac{1}{2} \times \frac{1}{4}$.

1	2	3	4	5	6	7	8	9
AC		G	1				Ŗ	
(05)	(05)	(07)	(07)	(07)	(05)	(07)	(05)	(05)
10	11	12	13	14	15	16	17	18
			OM	(IM)	JM			Si
(05)	(07)	(07)	(05)	(05)	(07)	(07)	(05)	(07)
19	20	21	22					
ID	UB	(US)	0					
(05)	(05)	(07)	()					

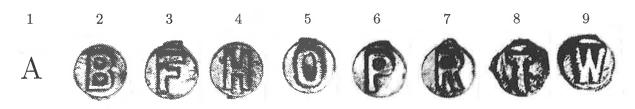
- Found in Teaneck, NJ, probably in a pole.
- 2,6 Found in Benton Harbor, MI, probably in poles.
- 3,4 G = General, I = Indiana. Indiana General Service. Served Muncie, Marion, and Elwood, IN. Used in 1929.
- 5 Joint ownership of pole. Danvers, MA.
- 7,12 "Power" and "Telephone." Pennsylvania Power & Light Co.
- 8 Found in Arizona, probably in poles.
- 9 Public Service Power & Light Co., NJ. Re-claimed or Re-used pole.
- 10 Unknown.
- 11 Unknown.
- 13-15 Indiana-Michigan Electric.
- 16,17 Ohio Power Co.
- Santa Fe. "Steam Treated" or "Special Treatment."
- 19 Reported to be found in Grand Junction, CO. area.
- 20 Union Electric. St. Louis, MO area.
- U. S. Forest Service. "United States." The shank is turned 45° with respect to the shank. See U. S. Forest Service in letter-number nail section.
- 22 SL/CO. Salt Lake County, UT.

Steel, square raised. All are $2.1/2 \times 1/4$.



Malleable iron. All are $2\ 1/2 \times 1/4\ \text{rnd}\ R$ mi (11) except the "A", which is $2\times 3/16\ \text{rnd}\ I$ mi (11).

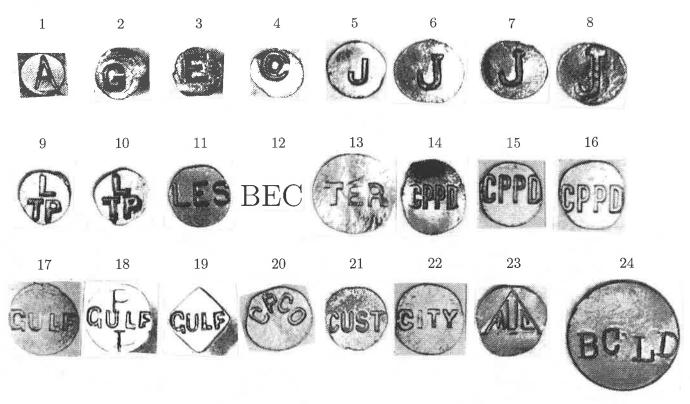
Union Telephone. Smackover, AR.



- 1 Chicago & Eastern Illinois.
- 2-8 Reading RR. The "O" is identical to the "0" (zero) used by the B&M.
- 9 Baltimore & Ohio.

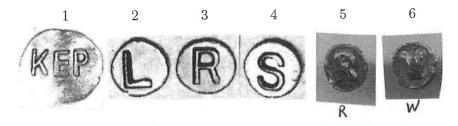
10

Copper indent.



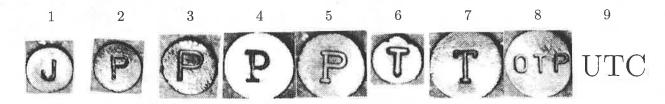
- 1 $1/4 \times 3/16$. Central Hudson Gas & Electric Co. (New York).
- 2-4 $11/4 \times 3/16$, type (60). Galveston Electric Co.
- Joint ownership of pole. 2 $1/2 \times 1/4$. The J #5 is type (60) and also comes in a 2" shank. Deleware Valley Telephone Co. Port Jervis, NY. The 2 1/2" J #5 was also used by Upstate NY Telephone Co.
- 9,10 $11/4 \times 3/16$. #9 is type (07), #10 is (39). Unknown company.
- 11 Unknown.
- 12 Unknown.
- 13 Texas Electric Railway. Probably from poles.
- 14-16 Consumers Public Power District (Nebraska).
- 17-19 Gulf Oil Co., used to mark power lines when on Gulf property. #18 has hand struck "P" and "L."
- 20 Consumers Power Co.
- 21 Customer owned pole.
- 22 Unknown.
- 23 Missouri Utility Co.
- 24 Bay City (MI) Light Dept. Hand stamped.

Copper raised.



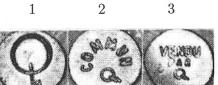
- 1 $2 \frac{1}{2} \times \frac{1}{4}$. Kansas Electric Power.
- 2 Left twist. $11/2 \times 1/4$. Southern California Edison.
- Right twist. $1 \frac{1}{2} \times \frac{1}{4}$. Southern California Edison.
- 4 Splice. $1 \frac{1}{2} \times \frac{1}{4}$. Southern California Edison.
- $1/4 \times 3/16 \text{ rnd R gm cop (60)}$. From Milwaukee Road ties.

Aluminum indent.



- Joint ownership of pole. $2 \times 3/16$. Deleware Valley Telephone Co., Port Jervis, NY.
- Power. $2 \times 3/16$. West Pennsylvania Power Co. The "P" and "T" used by this company indicate ownership of the pole.
- 3-5 Power. $2 \times 1/4$. West Pennsylvania Power Co.
- 6 Telephone. $2 \times 3/16$. West Pennsylvania Power Co.
- 7 Telephone. $2 \times 1/4$. West Pennsylvania Power Co.
- 8 $2\frac{1}{2} \times \frac{1}{4}$. Otter Tail Power. Jamestown, ND.
- 9 Unknown.

Aluminum raised.



1-3 $11/2 \times 1/4$ rnd R os. Quebec Hydro.

Brass $3 \times 1/4$ rnd I.

1



- Alma, NE. 1
- 2 CB.
- City of Shelby, NC. 3
- Greater Pasco Utility Department. Washington state.

Company nails, letters only.

Minnesota Power & Light Co.

 $2 \times 1/4$ steel raised.









Northwest Bell Telephone Co.

Steel indent.











 $2 \ 1/2 \times 1/4$

 $2\ 1/2 \times 1/4$

 $2\ 1/2 \times 1/4$

 $2\ 1/2 \times 1/4$

 $2\ 1/2 \times 1/4$







 $2 \times 5/16$

 $2 \times 5/16$

Steel raised.



There is a large variety in the arrangement of the letters. Only a representative few are shown.

Southwest Light & Power Co.

 $1 \ 3/4 \times 1/4$ steel raised.



${\bf Tri\text{-}States} \,\, {\bf Telephone} \,\, \& \,\, {\bf Telegraph} \,\, {\bf Co}.$

 $1 \ 3/4 \times 1/4$ steel raised.



Other variations exist.

Miscellaneous steel, round raised.



- 1 $2 \times 1/4$ (07). Sidney (NE) Municipal Service.
- 2,3 $2 \times 3/8$ (07). Municipal Water, Light & Power Dept. Nebraska.
- $4 1 \times 5/16$ (07). Found in Cotesville, NE.
- 5 $2 \times 5/16$ (07). Dakota Power, Rapid City, SD.

Railroad tie nails with extra characters

With one exception, these nails show letters and numbers.

Central RR of New Jersey. $1 \times 1/4$ rnd I stl (07).







 $^{4}_{\mathrm{TC}}$

The number indicates the class (size) of the tie. The "T" stands for "Species to be used Treated," and the second letter indicates the species group. See CRR of NJ for a full explanation.

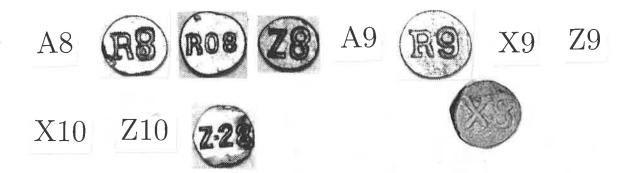
Great Northern. $2 \frac{1}{2} \times \frac{1}{4}$ rnd I stl (07).



The letter indicates the species. "F" = Fir, "P" = Pine, "S" = Spruce, and "T" = Tamarack. The number indicates the year of treatment. These were driven into the ends of ties before treatment. The "L" might stand for Lowry treatment.

The T10 also comes with gripper marks. It is a hybrid, and has been found on both the Great Northern and the Santa Fe. The F6 has also been found on the St. Louis, Rocky Mountain & Pacific.

Milwaukee Road. All are $2 \times 9/40$ rnd I stl (07) with two exceptions: The R08 is $2 1/4 \times 5/16$, and the Z-28 is $2 1/2 \times 1/4$ rnd R.



The letter indicates treatment while the number is the date. The "R" stands for Rueping treatment. The "Z" stands for Zinc chloride. The meanings of "A" and "X" are unknown.

A Z10 was found on the NYNH&H by John Iacovino. It is probably the result of a nail keg mix-up, and was intended for the Milwaukee Road.

Pacific RR (Mexico). $2 1/2 \times 1/4 \text{ rnd R stl } (32)$.



The meanings of these code nails is unknown. The numbers do not represent dates. Other variations exist. Some of these have been attributed to the Mexican Pacific, but they are probably all from the Pacific RR.

Pennsylvania RR. All are $2 \times 3/16$ rnd I mi (13) except the second R09, which is $13/4 \times 5/16$ rnd I stl (07).



The letter indicates wood. "R" = Red oak, "G" = Gum, "H" = Hickory, and "P" = Pine. The number is the year of treatment.

Southern Wood Piedmont. $3/4 \times 1/8 \text{ rnd I stl}$ ().

S S S S 76 77 78

SWP is a treatment company, and these nails can be found in ties, usually switch ties, in the Southeast. See Treatment Company Sets in the appendix.

The number is the year of treatment, and the letter might stand for the company. The shank diameter is about .131".

"K" nails. All are $2.1/2 \times 1/4$ rnd R stl except where noted.

2 3 4 5 6 7 8 9 1 (07)(07)(07)(06)(06)(07)(07)(07)(07)10



(07)

1,2,5 Pole nail found in KY, IL and OH.

3,6,7,9,10 Prescott & Northwestern. #3 is 2" long.

Two shank lengths: 2", found on the Prescott & Northwestern, and a 2 1/2" nail found in poles in KY, IL and OH. One 2" K/41 was found in a Maine Central tie.

8 Found on the Prescott & Northwestern and the Fonda, Johnstown & Gloversville.

The number represents the date.

On the FJ&G the 44's are found in ties originally used in the early teens. The railroad bought the ties second hand and drove the nails themselves. On the P&NW often two or three nails of the same date are found in a single tie, perhaps to indicate a later date. We do not know what the "K" stands for.

Miscellaneous nails. $2 1/2 \times 1/4$ rnd stl.

1 2 3



(07) (07) (

- Bullseye 4R. Santa Fe RR. The "4" represents 1904, and the "R" probably stands for "Rueping" treatment.
- 2 St. Louis, Rocky Mountain & Pacific. The 6 stands for 1906.
- 3 797 / 1947. American Car & Foundry. 1947 is probably the date.

Nails bearing company initials or monograms

These nails are almost universally found in poles. A few have been found in ties, and they are noted.

Two types are included here. (1) nails showing the treatment company, and (2) nails showing the company which used the nails. The latter are usually utility companies.

American Forest Products?

 $1.1/2 \times 1/4 \text{ rnd R cop}$



Found in Washington, DC and in West Virginia.

Miscellaneous nails. $2 \frac{1}{2} \times \frac{1}{4}$ rnd stl.

1 2 3



(07) (07) ()

- Bullseye 4R. Santa Fe RR. The "4" represents 1904, and the "R" probably stands for "Rueping" treatment.
- 2 St. Louis, Rocky Mountain & Pacific. The 6 stands for 1906.
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Nails bearing company initials or monograms

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Two types are included here. (1) nails showing the treatment company, and (2) nails showing the company which used the nails. The latter are usually utility companies.

American Forest Products?

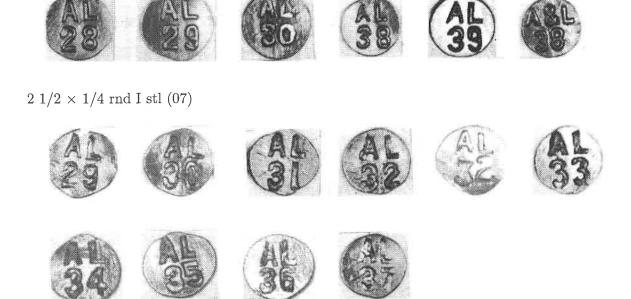
 $1.1/2 \times 1/4 \text{ rnd R cop}$



Found in Washington, DC and in West Virginia.

Ayer & Lord

$2 \frac{1}{2} \times \frac{1}{4} \text{ rnd R stl } (07)$



The 39 comes also with a $1 \frac{1}{2}$ " shank. The indent 34 has been found in ties in test sections on the Illinois Central.

A&L owned three treating plants as of 1930: Carbondale, IL (built 1902), Grenada, MS (built 1904), and North Little Rock, AR (built 1925, expanded 1929). The first two were constructed for treating ties. Perhaps the monogram nails were used at the North Little Rock plant.

W. P. Brown & Sons Lumber Co.?

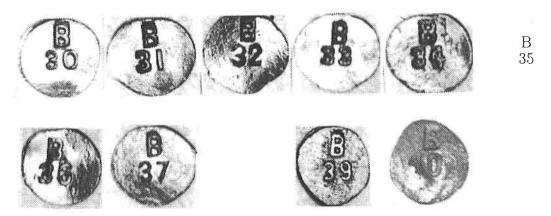
Copper indent



Found in Kansas.

BAXCO (J. H. Baxter & Co.)

Copper indent



Extra information stamped on head



Overstrikes



Aluminum plate.



Found in California. There are many variations of nails with extra characters and overstrikes. This company operated a treating plant at Long Beach, CA, built 1929.

Colman Co.?

Copper washer

Copper indent









[DNC, 141] attributed these nails to the Cascade Creosoting Co. The Cascade Pole Company did not operated a plant uintil 1941, so the attribution is wrong. Dave Parmalee, in [J-F '78], corrected the attribution to Colman, but he is not so sure now. Colman operated a plant in W. Seattle, WA, built 1884, and they were out of business by 1930.

Colman Co.?

Copper indent













The numbers indicate:

Left: probably the depth of the pole.

Right: height of the pole.

Bottom: Date.

Other combinations exist.

Canada.

Aluminum raised

1

2

3

4









- 1 58 / BTC. BTC probably stands for Bell Telephone Canada.
- 2 66 / BCT. BCT = British Columbia Telephone. The series might run from 58 to 68.
- 3 71 / BCH. BCH = British Columbia Hydro. From [DNC, 142]: "The BCH set is believed to go from 44 to 75 (the 44 and 47 are steel without letters.)"
- 4 73 / BCH. The bottom of the "7" in the nail pictured was smashed down.

Century Wood Preserving Co.

Copper raised



Found in Washington, DC and in New Jersey. This company did not exist in 1930, but by 1934 they owned six treating plants, may of them older tie treating facilities. Their headquarters were in Pittsburgh.

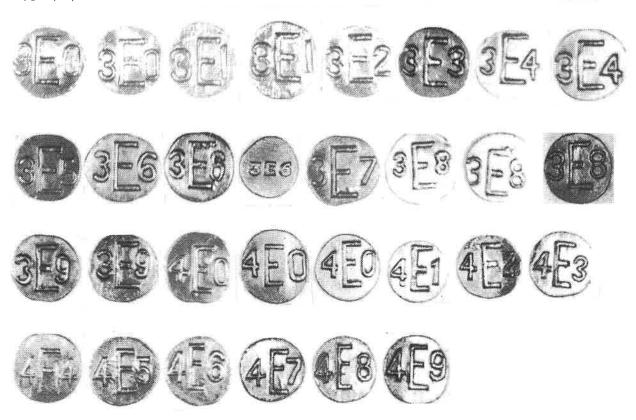
Frost Lumber

 $1 1/2 \times 3/8 \text{ rnd R stl}$



Southern California Edison Co.

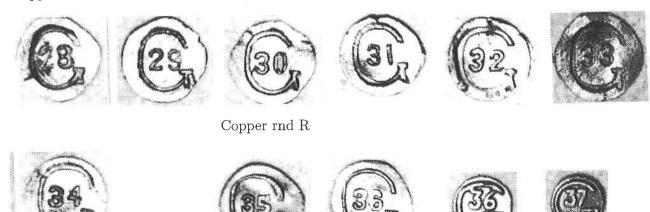
 $2 \times 1/4$ rnd R stl. The small 36 is $2 1/2 \times 1/4$, and the 47 comes with both a 1/4" and a 5/16" shank. All are type (07) with these exceptions: the 36, 36:c, and 37 are (18C), and the 44-49 are type (06).



SCE had its own treating plant which mostly refurbished poles. Minor variations exist for several dates.

Gulf States Creosoting Co.

Copper rnd I

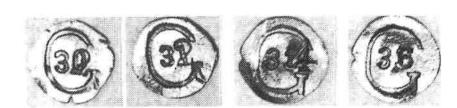


2" & 2 1/2"

 $2\ 1/2 \times 1/4$

 $2 \& 2 1/2 \times 1/4$

Overstrikes



2"

Found in North Carolina. This firm operated six treating plants as of 1930, including the old Slidell, LA plant. Their headquarters were in Hattiesburg, MS.

Galveston Electric Co.?

Copper

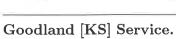


The 1929 nail is a Hubbard with raised figures. The second nail has indented figures. This company also used four small copper nails G, E, Co, 27.

Greenfield [MA] Electric Light & Power Co.

Copper. Letters are raised, numbers are indented





Copper rnd I. Factory stamped "28", hand struck letters



Houston Wood Preserving Co.

Copper indent







In 1927 they used a brand in poles with a steel rnd R (05) 27 date nail. The firm ran a treating plant in Houston, built 1923.

Hydro Electric Power Co.

 $1\,1/2 \times 1/4$ rnd R alm. Exceptions: the 48's are chair-leg type (stamped in sheet metal), and the 49 and 50 have an oval shank











CLASS nails. These show the class (diameter) of the pole. The diameter decreases as the class increases.











Sizes 25, 60, 65, 70, 75, 95, and 100, and Classes 1 and 7 have also been found.

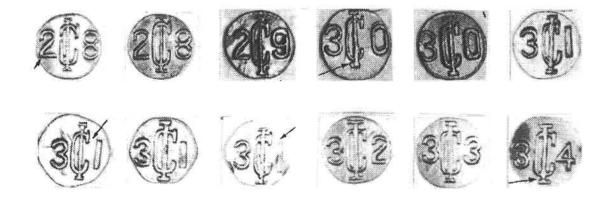
International Creosoting & Construction Co.

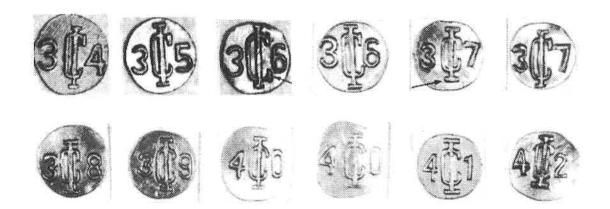
22-27:b are copper indent. At least the 24-27 are 1 $1/4 \times 1/4$ rnd R cop (07). 27:c is cast raised, and 28-42 are 1 $3/4 \times 1/4$ rnd R stl (07). A factory sample cast raised 26 also exists.

Copper (except the last 27, which is malleable iron).



Steel.





22's and 23's have been found in Nickel Plate ties, and 42's in Southern Pacific ties. Otherwise these are pole nails.

IC&C owned two plants as of 1930: that at Beaumont, TX (built 1897), and that at Texarkana, TX (built 1902, improved 1927).

Long Bell Lumber Co.

Copper indent.





Copper Hubbard.



 $1~1/2 \times 3/8~{\rm rnd}~{\rm R}$ stl. The 37 also comes in a 2"shank. The diameter is probably wrong.



















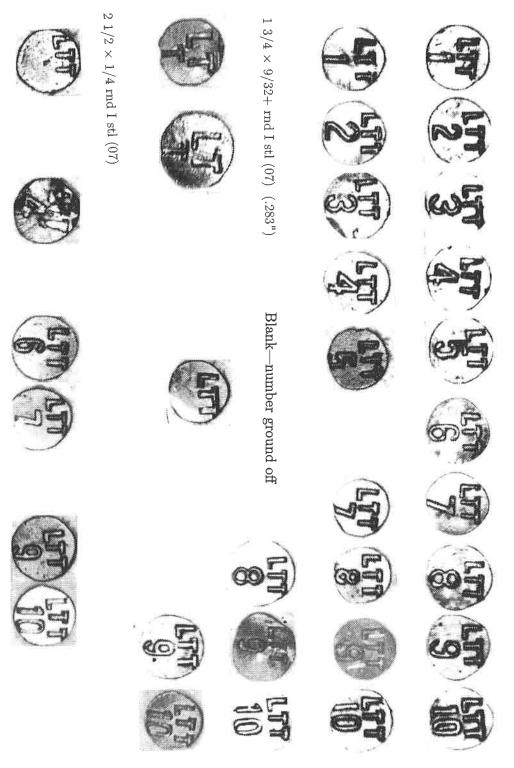




Found in KS, NE, OK, and TX.

Lincoln Telephone & Telegraph Co. (Nebraska).

$1~1/2\times3/16~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}~(07)$



$2 \times 1/4$ rnd I cop Big numbers















 $2 \times 1/4$ rnd I cop Small numbers







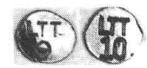








 $2 \times 1/4$ rnd I cop Other variations



rnd R cop







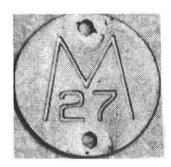


The number indicates the class (diameter) of the pole.

From Jerry Penry's article in [S-O '90, 2-4]: "It is my belief that LT&T first used the large $\frac{LT}{T}$ nails between 1912 and 1920. These nails have been found in Hastings, which became part of the operating area in the 1912 purchase [of Nebraska Telephone Co.]. My theory is that the numbering system started in the 1920's due to the fact that I have found the small steel number nails in poles along with International Creosoting Co. nails dating in the 1920's and 1930's. The copper nails probably came about 1950. All nails were discontinued in 1966 in favor of the pole branding system. As poles were stored in the pole yards, the nails were driven into the bottom of the poles to make for easier identification because poles were piled on top of each other. The nail was to stick out 1/4" so it could be easily removed from the bottom and placed in the body of the pole when it was set."

McFarland Co.?

Aluminum plate



Copper indent





Copper indent. Factory stamped "M", hand struck numbers









Found in California.

 ${\bf Nebraska\ Telephone\ Co.}$

NT 05

 $^{\rm NT}_{06}$



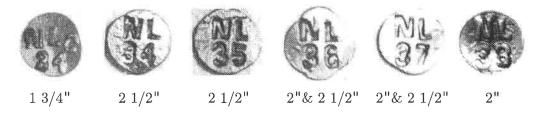
These are the earliest known pole nails. NTCo. was boutght in 1912 by Lincoln Telephone & Telegraph Co. [S-O '90, 2]

National Lumber & Creosoting Co.

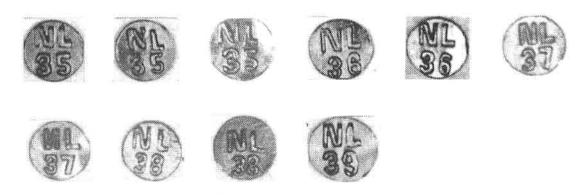
Copper indent



Steel rnd I (07)



2 1/2 \times 1/4 rnd R stl (07). The 36 also comes with a 2" shank.



As of 1930 NL&C operated eight treating plants. A 2 1/2" rnd R $_{36}^{\rm N}$ was found in a second hand tie on the Akron, Canton & Youngstown.

Pacific Creosoting Co.

Copper plate



Copper indent, factory stamped date









Copper indent, hand stamped date











Copper indent. Hand struck additional information. Many variations exist.



This company had a treating plant at Eagle Harbor, WA, built 1906. Pacific Creosoting was taken over by West Coast Wood Preserving before 1930. The PC dates after the takeover were hand stamped leftover nails. [M-J '82, 3] PC nails are found in California.

Potosi Tie & Lumber Co.

Copper raised



Several overstrikes exist. The 33 is rare.

J. F. Prettyman & Sons.

Copper raised



Found in Connecticut and Washington, DC. This company had a treating plant at Charleston, SC, built 1927.

Pentrex

Plates—the first brass, the second copper (shown smaller than actual size)





 $1~1/2 \times 3/16~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}$



















A 29 also exists. After 1929 Pentrex used ordinary date nails. They are

 $1 \frac{1}{4} \times \frac{3}{16} \text{ rnd R}$

stl (25) 30-42

 $1.1/4 \times 1/5$ rnd R

stl (07) 33,37

 $1 \frac{1}{2} \times \frac{1}{5} \mod R$

stl (06) 36,38,39,40

[M-A '91, 8-9]

Piedmont Wood Preserving Co.?

 $1.3/4 \times 1/4$ rnd R stl (07). The second 37 has a chisel point















 $1.3/4 \times 1/4$ rnd R stl (07). All but the first and last nails shown have chisel points













Found in WV, PA, and CT. This company had a plant in Augusta, GA, built 1927.

Quebec Hydroelectric.

 $1 \frac{1}{2} \times \frac{1}{4} \operatorname{rnd} R$ os cp alm









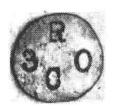


Republic Creosoting Co.?

 $1.1/2 \times 3/8 \text{ rnd R stl}$



1 1/4" rnd I cop



The steel nail was found in Kansas. Republic had four plants as of 1930.

Southern Wood Preserving Co.

rnd R copper





Found in Washington, DC, New Jersey, and southern states. They had two plants as of 1930: one at Atlanta, GA (built 1908, improved 1921), and at Chattanooga, TN (built 1925, improved 1926).

T (Unknown company)

 $2~1/2 \times 1/4~\mathrm{rnd}$ R stl















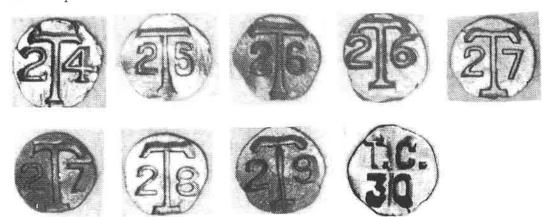




"Found in scattered areas in New Jersey, New York, Pennsylvania, Connecticut and Massachusetts. The complete set has not been found in any one area." [DNC, 159]

Texas Creosoting Co.

rnd I cop



Copper Hubbard



This company ran two plants: one at Houston, TX (built 1923), and one at Orange, TX (built 1924).

Taylor-Colquitt Co.

 $2 1/2 \times 1/4 \text{ sqr R stl } (07)$

 $2 1/2 \times 1/4 \text{ rnd R stl } (07)$

 $1 \frac{1}{4} \times \frac{1}{4} \text{ rnd R stl } (07)$







The square TC was found with a rnd R 27 and 28 date nails. The rnd R TC was found with a rnd R 29. Locations: New York, New Jersey, Pennsylvania and Connecticut. T-C ran a treating plant at Sigsbee, SC, built 1926.

United States Forest Service.

 $2 1/2 \times 1/4 \text{ sqr I ds stl } (07)$

 $2 \times 1/4$ dia I stl (07)







"ds" = diamond shank. The shank is turned 45° with respect to the head on the "US". "A Forest Service employee would drive the nail into a tree that had been approved to be cut. The lumber company, after cutting the tree, would remove the nailfrom the trunk and drive it in the stump. The Forest Service inspector could then look at the stump to verify that permission had been given to cut the tree." [DNC, 160]

Wood Preserving Corp.

 $2 1/2 \times 1/4 \text{ rnd R stl } (07)$

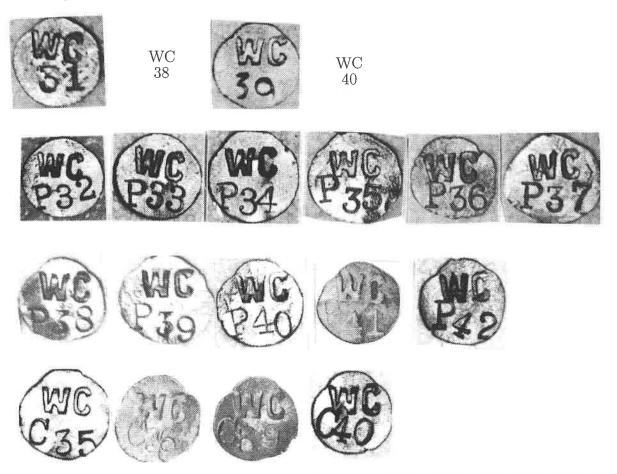




As of 1940 this company owned sixteen treating plants. They later became Koppers Co.

West Coast Wood Preserving Co.

rnd I cop



Many errors and minor variations exist. [DNC, 161] lists $\frac{WC}{CC35}$, $\frac{WC}{C335}$, $\frac{WC}{399}$, $\frac{WC}{39C}$, $\frac{WC}{41P}$, $\frac{WC}{4P}$, $\frac{WC}{C}$

"P" probably stands for Pine, while "C" means Cedar. Found in California, Washington, and Montana. Some have been found in Milwaukee Road bridge timbers. See [M-J '82, 3-4]. WCWP ran two plants: one at Eagle Harbor, WA (built 1906, run by Pacific Creosoting Co., improved 1927), and one at Seattle, WA (built 1912, improved 1927).

Miscellaneous letter-number nails.

 $2 1/2 \times 1/4 \text{ sqr R stl } (07) \text{ G29}$



A 30 also exists. Some people have thought that these nails are Gulf States. But the square 29 and 30 have only been pulled in the Atlanta area where no Gulf States nails are found.

The G might stand for Gulfport Creosoting Co. They built a plant in Gulfport, MS in 1906, which was expanded in 1926 and 1949. A second plant was constructed in Mobile, AL in 1938, with additions in 1939 and 1943.

 $2 \times 1/4$ rnd I alm





These are factory samples, and were possibly never used.

 $1.1/2 \times 1/4$ rnd R os cp alm



Found in Ontario, Canada. 63, 64, and 65 are also known.

 $2 1/2 \times 1/4 \text{ rnd I stl } (07)$



Pole nail. Some have turned up in Colorado. This is not a Great Northern nail, as some people have thought.

Single digit code nails

Sets #1, #2, #3, and #4 were used by the Louisvile & Nashville RR to number switches. See also set

Set #1. $2 \times 1/4 \text{ rnd R}$ stl (05)



Set #2. $2 \times 1/4 \text{ rnd R}$ stl (06)



Set #3. $2 \times 1/4 \text{ rnd R}$ stl (07)



 ∞

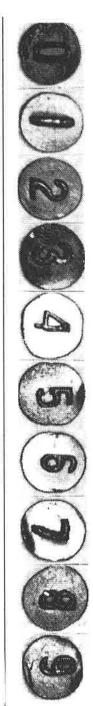
 $2 \times 1/4 \text{ rnd R stl (19)}$

Set #4.





Set #5. Eastern Illinois Telephone Co. Used to number poles $2 \times 1/4 \text{ rnd R stl } (06)$



Set #6. Union Pacific RR. An old set. $2 \times 1/4$ rnd R GM stl (07)

There are two shank variations for this set. The difference lies with the spacing of the gripper marks. [Fall 2003, 4-5]

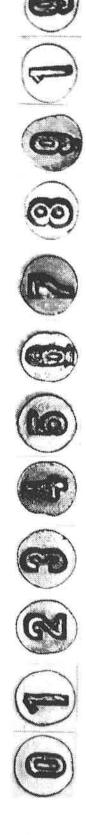


Sets #7, #8, and #9 were used by the Southern Pacific RR in bridge timbers. Quoting [DNC, 177]: "It the raw wood." dance with a diagram using the numbers marked on each piece. By using this procedure, all ends of timcode nails. The bridge was disassembled, creosoted and then sent to the site. It was reassembled in accoris believed that the bridge was precut and assembled at the creosoting plant. Each piece was marked with bers received the proper treatment and no cutting had to be done after the treatment which would expose

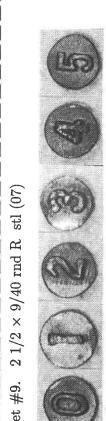
Set #7. $2 1/2 \times 1/4 \text{ rnd R stl } (03)$



 $21/2 \times 1/4 \text{ rnd R}$ stl (04) Set #8.



Set #9.



Set #10. $2\,1/2\times1/4$ rnd R stl (07) Oklahoma Gas & Electric and Detroit Edison Co. Used to number poles. Georgia RR, used to number switches. Boston & Maine RR, to number ties in a test section in North Conroy, NH. See also Set #18.



Set #11. $21/2 \times 1/4$ rnd R stl (07) Oklahoma Gas & Electric Co. Used to number poles.



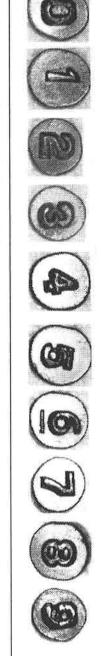
Set #12. $21/2 \times 1/4$ rnd R stl (18B) West Texas. From poles?



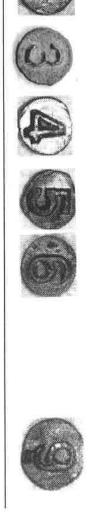
Set #13. $21/2 \times 1/4$ rnd R stl (18C) West Texas. Pole nails?



Set #14. $2 1/2 \times 1/4$ rnd R stl (25) Detroit Edison. Used to number poles. Usually found with a letter nail.



Set #15. $2\ 1/2 \times 1/4\ \mathrm{rnd}\ \mathrm{R}\ \mathrm{GM}\ \mathrm{stl}$ (07) Union Pacific RR.



Louisville & Nashville RR. Used to number switches. Found with Sets #1-#4. "Very flat head similar to the Georgia RR set #10, with heads almost identical to the 2 inch long L&N Set #3." [DNC, 179] $2 1/2 \times 1/4 \text{ rnd R} \text{ stl } (07)$ Set #16.



Set #17. $21/2 \times 1/4$ rnd R stl (31) Mexico. Used to number poles.



North Conroy, NH. The thick shank was also used by the Baltimore & Ohio RR in test sections." [DNC, "This set comes in both thick and thin shanks with identical heads. The thin shanks are about twice as scarce as the thick ones. Both were used to number ties in a test section on the Boston & Maine RR in Set #18. $2 1/2 \times 1/4 \text{ rnd R}$ mi (11), and $2 \times 3/16 \text{ rnd R}$ mi (11) 179] See also Set #10.



Set #19. $21/2 \times 1/4$ cut R stl (07) Baltimore & Ohio RR. Used with Set #18 in a test section near Washington, DC to number ties from 1 to about 2,500. Probably used in the 1920's.



Set #20. $2 1/2 \times 1/4 \text{ rnd I stl } (07)$

Milwaukee Road and Chicago, Burlington & Quincy. An old set.



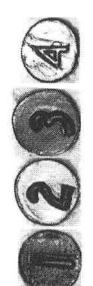
Set #21. $2 \frac{1}{2} \times \frac{1}{4} \operatorname{rnd} I \operatorname{stl} (07)$ Southern California Edison.



Southern California Edison, and Chicago, Burlington & Quincy. Set #22. $2 1/2 \times 1/4 \text{ rnd I stl } (06)$



Set #23. $21/2 \times 1/4$ rnd I stl (18B,C) The 3 and 7 are (18B). The others are (18C).





Set #24. $21/2 \times 1/4 \text{ rnd I stl (18C)}$





Sets #25 and #26 were used by Indiana & Michigan Electric Co. The 1 of both sets was used as the "I" of "IGS" by Indiana General Service. The 0 and 1 of Set #26 were used by the Southern Pacific RR.

Set #25. $21/2 \times 1/4 \text{ rnd I stl } (07)$











Set #27. $2 \frac{1}{2} \times \frac{1}{4}$ rnd I stl (01) Found on the Warrenton RR in second hand ties. Two were used in each tie to date the tie. For example, a "2" and a "7" were used for 1927.



about 1934 in ties. Sets #28 and #29 belong to the Short Line Code Set (see Treatment Company sets). They were used

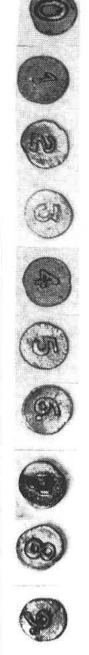
Set #28. $11/2 \times 1/4 \text{ rnd I stl } (07)$



Set #29. $1 \frac{1}{2} \times \frac{1}{4} \text{ rnd } I$, stl (07)



Set #30. $2 \times 3/16$ rnd R stl (18C) Atlantic Coast Line RR.



Sets #31 and #32 were used by the Union Pacific RR. The Set #31 9 has a square head.

 $21/2 \times 7/40 \text{ rnd R gm stl (07)}$ Set #31.













 $2~1/2~\times~7/40~\mathrm{rnd}$ R gm stl (07) Set #32.



Sets #33, #34, and #35 were used by Utah Power & Light to show the year in pairs. Minor shank variations exist for Set #33.

 $21/2 \times 1/4 \text{ sqr R stl (18)}$ Set #33.



 $2\ 1/2 \times 1/4 \ \mathrm{sqr} \ \mathrm{R} \ \mathrm{stl} \ (07)$

Set #34.



















Set #35. $2 1/2 \times 1/4 \text{ sqr R stl (18)}$



Set #36. $2 1/2 \times 1/4 \text{ sqr I stl } (05)$

and 8 have not yet been found in this set. with anchor marks on all sides. Another set, with identical heads, has anchors on only two sides. The 0, 6, Telluride Power & Light Co., and Portsmouth, Ohio Street Railway (from poles). The complete set exists



Set #37. $11/4 \times 3/16$ rnd I cop (07) Potomac Edison.



Set #38. $11/4 \times 3/16 \text{ rnd I cop } (60)$

have been used as both a 6 and a 9. The 0, 1, 2, 4, and 5 were found on the Pennsylvania RR. The others are Potomac Edison. The 6 might



Set #39. $11/2 \times 1/4 \text{ rnd R cop } (12)$

Southern California Edison. The copper L, R, and S are considered to be part of this set. The 1 and 3 are found with two shanks: one the standard type (12), the other with straight anchors and no mark



Sets #40 and #41, and sometimes #42, were used by Bell Telephone in Canada. Nails were used in pairs to show the date. The nails from the 1970's are the Set #41 with the B and T close together.

Set, #40. 11/2 × 1/4 rnd R os cp alm ()



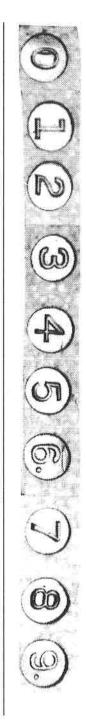
Set #41. $11/2 \times 1/4 \text{ rnd R os cp alm}$ (



Set #42. $11/2 \times 1/4$ rnd R os cp alm () Quebec Hydro-Electric. Used to number poles from a junction.



Power Co. used the 2" set. The 2" 0, 8, and 9 have not been found. The Chicago, Burlington & Quincy The Louisiana Power & Light Co. used the $1 \frac{1}{2}$ set to number poles from a junction. Northern States Set #43. used the 2" 2 in bridges with a steel 8 to indicate the span length of a bridge. $2 \times 3/16$ rnd I alm (61), and $1 \ 1/2 \times 3/16 \ \text{rnd I} \ \text{alm (61)}$



Set #45. $2 1/2 \times 3/16 \text{ sqr R stl } (07)$ \mathcal{O} Baltimore & Ohio. Found in ties.

 $2 1/2 \times 1/4 \text{ rnd R stl } (07)$

Set #44.

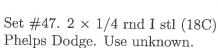
Baltimore & Ohio. Found in bridge timbers

Set #46.

 $7/8 \times 1/8 + \text{rnd I stl}$

1958 and 1959.

company which used the 5 is unknown. The 8 and 9 were used by the Trona RR, supposedly to date ties [DNC, 186] says the 5, 8, and 9 are (18). The 2 and 4 were used by the Canadian National in ties. The



























Miscellaneous nails.

 $2\ 1/2 \times 1/4 \text{ rnd I stl }(--)$

(01). The first 2 is of unknown type. Found in ties Baltimore & Ohio. The second 2 and the 3 are

 $- \times 1/4 \text{ rnd I}$ stl (07)

in test sections dating from 1908-1911.

measures 2", the 1 is 11/2", and the 5 and 6 are Southern Pacific. From bridge timbers. The 0

> S S



 $21/2 \times 1/4 \text{ rnd I stl } (--)$ San Diego Gas & Electric. D

> San Diego Gas & Electric, and Southern California Edison. $2 \, 1/2 \times 1/4 \, \text{rnd I} \, \text{stl} \, (06)$

Southern California Edison. $2 1/2 \times 1/4 \text{ rnd I stl } (07)$ Variation of Set #21.

4 and 5 are (12), 10 is (07).

 $1.3/4 \times 5/16 \text{ rnd I gm stl } (07)$ Michigan Central RR. From ties.

Akron, Canton & Youngstown. $1 \times 1 \text{ rnd I stl (CL)}$

Allentown, PA area toward the $11/2 \times 3/16 \text{ sqr I stl } (07)$ end of 1943 when the 43 date cause of the war." [DNC, 186] nails became hard to get be-"Used to date poles in the







1 1/2 \times 1/4 rnd R cp stl (39) Canada.

 $2 1/2 \times 1/4 \text{ rnd R stl } (07)$ Washington.

 $2~1/2 \times 1/4~\mathrm{rnd}~\mathrm{R}~\mathrm{stl}$ (07) California.





 $2\ 1/2 \times 1/4\ \mathrm{rnd}\ \mathrm{R}\ \mathrm{stl}\ (06)$ Pacific Telephone.

2 1/2 × 1/4 rnd R stl (25) Detroit Edison.



 $1\ 1/4 \times 3/16 \text{ rnd R gm cop } (60)$ Pennsylvania RR. From ties. The 9 might be a 6.



Switch nails

Ties used at switches are longer than normal, and come in lengths which increase as the rails fork away from each other. To ensure that the trackmen place the different length ties in the appropriate order, switch nails were driven into the ends of ties at the saw mill. They tell the length of the tie, in six-inch increments. Many collectors call them foot nails.

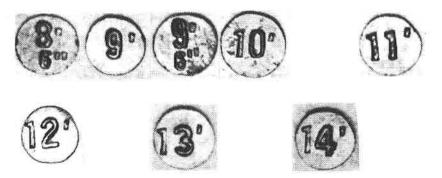
Only the Union Pacific and Southern Wood Piedmont (a treating company) used these nails. SWP is still driving switch nails into their overlength ties. See the Treatment Company Nails section in volume II for a complete description of SWP nails.

The standard tie on the UP was 8 feet long, so their overlength ties begin with 8 feet 6 inches. The standard SWP tie is 8 feet 6 inches, so overlength ties begin at 9 feet.

Union Pacific RR.

All nails are $2 \times 1/4$ rnd R stl (07). Sets with gripper marks (GM) are noted.

Set #1. No GM. 7th anchor broken, numerals smaller than Set #2.



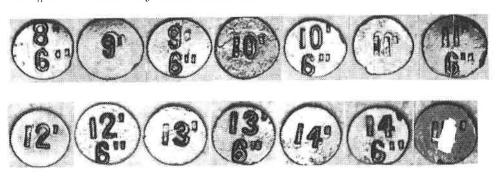
Set #2. No GM. Heavy anchor markings.



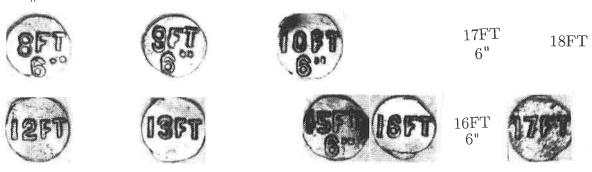
Set #3. No GM. Usually 4 or 5 fine anchor marks.



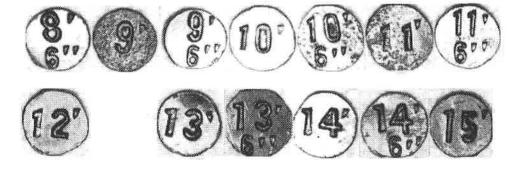
Set #4. No GM. Very small numerals.



Set #5. GM. "FT".



Set #6. GM. Very triangular foot and inch marks – no diamond on the shanks.



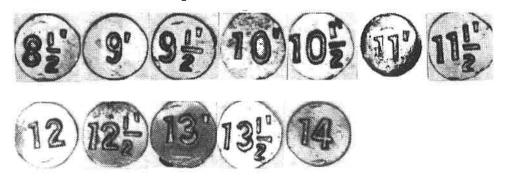
Set #7. GM. Large numerals.



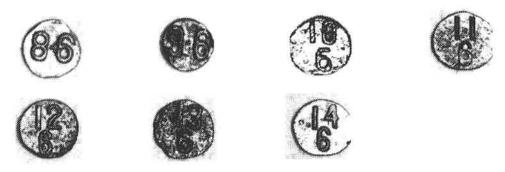
Set #8. GM. Small numerals.



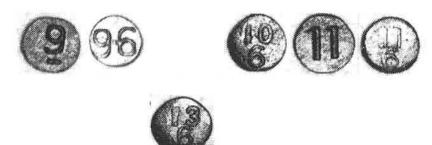
Set #9. GM. Includes the $\frac{1}{2}$ with foot mark.



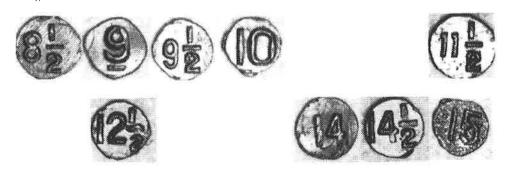
Set #10. GM. Narrow 6.



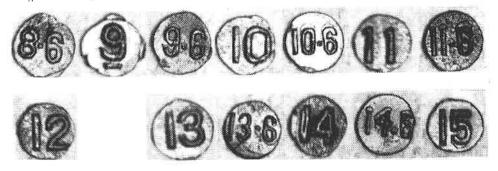
Set #11. GM. Wide 6. Found in Utah.



Set #12. GM.



Set #13. GM.



Set #14. GM. Miscellaneous.



Like Set #6. Like Set #8. Like Set #9. Like Set #13. Like Set #8.

Southern Wood Piedmont.

All nails are 1/4" rnd R stl (19). Lengths are noted for each set.

Following the classification devised by Steve Worboys, the nails are divided here into five sets. Except for Set #2, the shank lengths vary considerably within each set, so I list the average length along with the range of lengths to be found.

Basically Sets #1 and #2 are the "large numbers" sets, while sets #3, #4, and #5 are the "small numbers" sets. Generally the numbers on Sets #1 and #2 nails are identical while numbers on sets #3, #4, and #5 nails are the same. The exceptions are as follows:

For whole footage, Set #2 13, 15, and 16 have smaller numbers than the corresponding Set #1 nails. The Set #2 13 is identical to the 13 of Sets #3, #4, and #5. The 15 of Set #2 is larger than the small numbers 15's, and the Set #2 16 is of a different style, though the same size, as the "small numbers" group.

The half-footage nails have identical numbers for all five sets, with one exception. The 1's are closer together on the ${11 \atop 6}$ of set #4 than they are on the sets #1 and #2 nails (I have not seen the Set #5 ${11 \atop 6}$). To differentiate between sets I consider the shank markings, the location of the numbers on the head (most are off center), and the size and shape of the head. These are consistent within each set. Also, shank length, though not very reliable, is another indicator. The position of the numbers on the heads follow the listing. Most nails are easily classified; however, Some nails in Sets #3 and #4 seem like they would fit in the other set.

I present the sets in what I hope is their chronological order. Set #3, without half footage, is listed third because of Parmalee's reference in [N-D '79, 1]. Presumably Sets #4 and #5 were yet to be made.

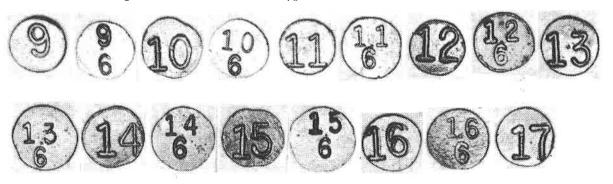
Set #1. 1 1/8-".

The lengths range from 1" to $1\ 3/16$ ". Heads are relatively large, and are consistently round. Anchor markings are average. See [Lewis, 137] for a photo of two shanks.

The 11:b has numerals which do not line up at the feet.

The digits of the 13:b are closer together than 13:a's, and the curve at the base of the '3' actually runs above the foot on the '1'.

The 13:b and $\frac{13}{6}$ have been found with $\frac{S}{79}$ date tacks.



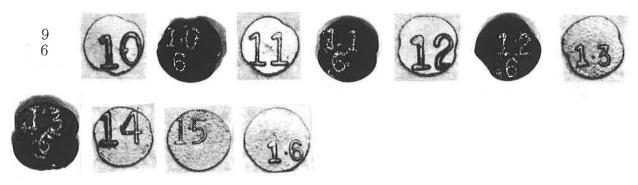
For photos of the following new finds, see [Winter 2001, 9]: Set #1 11:b (2nd 1 is highter), 13:b (#'s closer together) Set #2 9 (lower left) 14/6 (lower right) Set #5 12 (high), 15 (slightly left)

Tom Meyer has found a few 1 $1/4 \times 1/4$ rnd I alm () 10 in switch ties in Dland, FL on CSX track. [Winter 2000, 18]

Set #2. 1 3/4".

The $\frac{15}{6}$ probably exists.

These nails are consistently $1\ 3/4$ ". The shape of the head for most numbers is indented on opposite sides, like a fat hourglass. Steve Worboys calls these "cell division" heads, comparing them with a live cell about to divide. The 15 and 16 appear round.



Set #3. 1 5/16+".

This set is mentioned by Dave Parmalee in [N-D '77, 1]. Dave mentions the 9, which Steve and I have not found. It may be that the 9 belongs to Set #4 or #5.

The shank length ranges from 1 3/16" to 1 1/2". The 10, 11, and 14 are usually a bit longer than the other nails. Anchors are evenly spaced, and are more pronounced than on Set #5, and less pronounced than on Set #4. Heads are fairly round.



Set #4. 1 1/4-".

The other lengths, at least to 16, probably exist.

The anchors are sharp, deep, and unevenly spaced. The second anchor under the "T" is often broken. The points are sharp. The heads are ill-shaped and are mostly thin.



Set #5. 13/8-".

Lengths range from $1\ 1/8$ " to $1\ 1/2$ ". Heads are small, round, and thick. The anchors are not pronounced, and are evenly spaced.



• Position of the numbers on the head.

This is the quickest indicator of an SWP nail's identity. I restrict this list to the last three sets.

	$\underline{\text{Set } \#3}$	Set $\#4$	<u>Set #5</u>
9		high	slightly low & right
9/6		centered	slightly to one side
10	low	high	upper left
10/6		right	
11	low, to the left	slightly low & right	right
11/6		slightly right	
12	upper right		high
12/6			left
13	left		centered
13/6		centered	centered
14	low, slightly left	slightly low	slightly right
14/6			slightly left
15	low, to the left		
15/6	•		slightly left
16	low, to the left		left, slightly high

Height and depth nails nails

"Height nails, which are used largely in the West, can be found throughout the United States. They are driven into a utility pole to show its height and are used in multiples of 5 feet. For poles up to 75 feet they are often confused with date nails [DNC was written in 1976]. Poles of 100 feet and over normally have two nails—for example, a 60 and 50 would designate a pole 110 feet tall." [DNC, 169]

Some height nails are shown in the Letter-Number Nails section.

"Depth nails are used to show how deep the pole is set in the ground. To date, these have been reported only in the western part of the United States." [DNC, 169]

Pole height nails

 $2 \times 1/4$ rnd R stl (05)

Set #1

Set #2

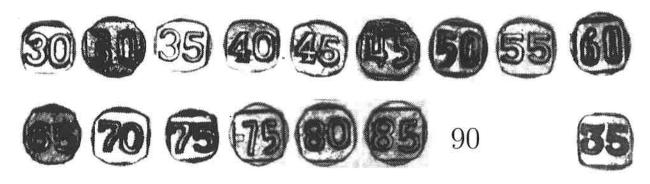








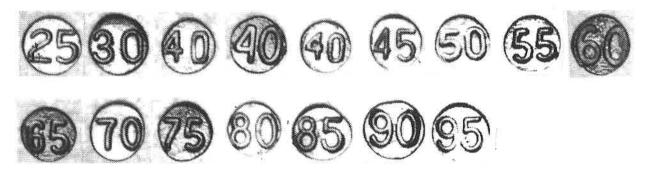
 $2\ 1/2 \times 1/4 \ \mathrm{sqr} \ \mathrm{I} \ \mathrm{stl} \ (05)$



 $2 1/2 \times 1/4 \text{ sqr R stl } (05)$



 $2~1/2\times1/4~\mathrm{rnd}$ I stl (06)



 $2\ 1/2 \times 1/4 \text{ rnd R stl } (06)$



 $2~1/2\times1/4~\mathrm{rnd}$ I stl (07)



 $2~1/2~\times~1/4~\mathrm{rnd}$ R st
l(07)



$2 1/2 \times 1/4 \text{ rnd R stl } (07)$



 $2 \times 1/4 \text{ rnd R stl } (07)$



 $2 \times 1/4 \text{ sqr I stl } (07)$







 $2 1/2 \times 1/4 \text{ sqr R stl } (07)$























 $1 1/2 \times 1/4 \text{ sqr R stl } (07)$











 $2 1/2 \times 1/4 \text{ dia I stl } (08)$



Duquesne Light Co. (PA)

 $2~1/2~\times~1/4~\mathrm{rnd}~\mathrm{I}~\mathrm{stl}~(12)$

Set #1









Set #2



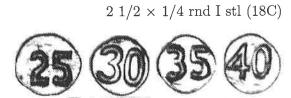
144

$2 1/2 \times 1/4$ rnd I stl (12)

Set #3



 $2~1/2\times1/4~\mathrm{rnd}$ I stl (18B)



















 $2~1/2 \times 1/4~\mathrm{rnd}$ R stl(22)



 $2 \times 3/16 \text{ rnd I alm ()}$



Apparently ordered by the Lyntegar Electric Co. but never used. [DNC, 173]

Pole depth nails (or possibly high codes)

 $2 \times 1/4$ sqr I rs stl (05)

 $2 \ 1/2 \times 1/4 \ \text{rnd I stl (07)}$

 $2 1/2 \times 1/4 \text{ sqr R stl } (07)$











Descriptions of some nails not shown

```
stl (01) 6:b
     1.3/4 \times 5/16 rnd I
The top of the 6 is slightly pointed. The underline is thinner and longer than \underline{6}:a.
                                                                      The 2 is different.
                                           stl (01) 12:b
                      rnd I
     2 \ 1/2 \times 1/4
                                                                      Has tall numbers like the 2 \frac{1}{2}" 35.
                                           stl (04) 35:b
                       rnd R
             \times 1/5
                                                                      Same style as the (05) 13.
     2 \ 1/2 \times 1/4
                       rnd I
                                           stl (05) 12
                                           stl (05) 13:b
     21/2 \times 1/4
                       rnd I
Large date. Shown in [N-D '86, 8].
                                           stl (05) 23
                                                                      The 2 is identical to the 24's 2.
     21/2 \times 1/4
                       rnd R
     2 \ 1/2 \times 1/4
                       rnd R
                                           stl (05) 25:b
Similar to 25:a. 25:v is the 2nd 25 pictured in [M-A '97, 5].
                                                                      Smaller numbers than 44:a.
     2 \ 1/2 \times 1/4
                       rnd R
                                           stl (05) 44:b
                                           stl (05) 46:b
     2 1/2 \times 1/4
                       rnd R
Cross on the 4, and the top of the 6 curves around more.
                                                                      Wide 4, slightly different 2.
     11/2 \times 1/4
                       rnd R
                                           stl (05) 42:b
                                                                      Same style numbers as the rnd R 56:b.
                                           stl (06) 53
             \times 1/4
                       rnd I
                                                                      Small numbers.
     2 \ 1/2 \times 1/4
                       rnd R
                                           stl (06) 38:b
                                                                      Small date.
                       rnd R
                                           stl (06) 40:b
     21/2 \times 1/4
                                           cop (06) 33,34,37
                                                                      Same style as the steel nails.
     2 \, 1/2 \, \times \, 1/4
                       rnd R
     2 \, 1/2 \, \times \, 1/4
                       rnd I
                                           stl (07) 5:b
5:b is found in bridge timbers, the 5:a in ties.
     2 \ 1/2 \times 1/4
                       rnd I
                                           stl (07) 6:b
Same as the \underline{6}, but with no bar underneath
                                           stl (07) 08:d
     2 \ 1/2 \times 1/4
                       rnd I
Has an 0 shaped like that on like 08:b and an 8 shaped like 08:a.
                                           stl (07) 10:e
     2 1/2 \times 1/4
                      rnd I
Numbers are the same size as 10:b, but the 1 has a flag.
                                           stl (07) 10:f
     2 1/2 \times 1/4
                      \operatorname{rnd} I
Heavy numbers. This is a variation on the flag & foot 10:a. Shown in [N-D '86, 8].
                                                                       Same numbers as the GM nail.
                                            stl (07) 10
     21/2 \times 1/4
                       rnd I
                                                                       Large flag & foot.
                                            stl (07) 11:d
     2 \, 1/2 \, \times \, 1/4
                       rnd I
                                            stl (07) 17:c
                                                                       Diamond-shaped head.
     21/2 \times 1/4
                       rnd I
                                                                       No flag on the 1.
     21/2 \times 1/4
                                                (07) 18:c
                       rnd I
                                            \operatorname{stl}
                                                                       The 5 is very wide.
      2 \ 1/2 \times 1/4
                       rnd I
                                            stl (07) 25:d
                                            stl (07) 34:b
      2 \ 1/2 \times 1/4
                       rnd I
Has smaller numbers than 34:a. I forgot to include space for a picture.
                                            stl (07) 09
      21/2 \times 1/4
                       rnd I GM
The numbers are similar to those on rnd I (07) 09:b without gripper marks.
      21/2 \times 1/4
                      rnd I GM
                                            stl (07) 10:b,10:c
These have the same heads respectively as the 10:b and 10:d without GM.
      1.1/2 \times 1/4 rnd I
                                            stl (07) 10-13,15,18,25
For 11-15 and 18, the numbers are identical to the standard 2 1/2" (07) nails. The 15 has the same num-
bers as the 2 1/2" 15:b. The dates 14-25 are pictured in [Lewis, 70], but he shows an 18 like the 2 1/2"
18:b. I forgot to include space for the 18 and 25 in the photo section.
                                                                       Same style as the 2 1/2" nails.
                                            stl (07) 08,9.
      1 \ 1/2 \times 1/4
                       dia I
                                                                       Smaller number than 9:a.
                                            stl (07) 9.:b
      1 \ 1/2 \times 1/4
                       dia I
                                                                       Same style as the 2 \frac{1}{2}" 10:a.
                                            stl
                                                (07) 10
                       dia I
      11/2 \times 1/4
                                                                       Small, no flag on the 1.
                       dia I
                                            \operatorname{stl}
                                                (07) 10:b
      11/2 \times 1/4
                                                                       Has numbers like rnd I 10:b.
                                            stl (07) 10
      2 1/2 \times 1/4
                       rnd R
                                                                       Taller 1 than 16:a.
      2 \ 1/2 \times 1/4
                       rnd R
                                            stl (07) 16:b
```

```
2 1/2 \times 1/4
                      rnd R
                                           stl (07) 26:e
Same size numbers as the N&W 9/32" sqr R (07) 26.
     2 1/2 \times 1/4
                      rnd R
                                          stl (07) 26:f
                                                                     Numbers are like those on the 2" 26:a.
     2 1/2 \times 1/4
                      rnd R
                                          stl (07) 30:b
The 0 is like that on the rnd R 50. I forgot to include this in the photo section.
     21/2 \times 1/4
                      rnd R
                                          stl (07) 37:b
                                                                     Has larger numbers than 37:a.
     2 \ 1/2 \times 1/4
                                          stl (07) 15
                      rnd R GM
                                                                     Has numbers like the non-GM 15.
     2 1/2 \times 3/16 rnd R gm
                                          stl (07)
                                                    28:b
                                                                     Large numbers.
     2 1/2 \times 3/16 \text{ rnd R gm}
                                          stl (07) 40:b
                                                                     Large 0.
                                                                     Large date.
     1.3/4 \times 3/16 rnd R gm
                                          stl (07) 30:b
     1.3/4 \times 3/16 rnd R gm
                                          stl (07) 31:b
Numbers are closer together, like the 2 1/2 \times 3/16 31.
     2~1/2~\times~7/40~{
m rnd}~{
m R}~{
m gm}
                                          stl (07) 15:b
The 1 is longer and extends below the level of the 5. The 1 also has no flag.
     21/4 \times 9/32 \text{ sqr R}
                                          stl (07) 26:b
Large date. The "2" is of the same style as the "2" on the (07) 27.
     2 \frac{1}{2} \times \frac{1}{4} = \text{sgr R}
                                          stl (07) 25:b
                                                                     The 2 is like that on the sqr R (07) 26.
                      hex R rs
     2 1/2 \times 1/4
                                          stl (07) 26:b
Small numbers. Found in Southern Illinois by Parmalee.
     2 \ 1/2 \times 1/4
                      rnd R
                                         cop(07) 32
                                                                     Same style as the steel 32.
     2 \ 1/2 \ \times \ 1/4
                                          stl (09) 38:b,38:c
                      rnd R
38:b has a small 8, while 38:c has a large 8.
     2 1/2 \times 1/4 rnd I
                                          stl (10) 33
Has round numbers, like the (07) 33, but narrower. Also, the anchor markings are diagonal like (21).
Some of these 33's have the "X" on the shank, some don't.
     2 1/2 \times 1/4 rnd R
                                          mi (11) 29:b,30:b
29:a and 30:a have absolutely square 3/16" shanks. The shanks on 29:b and 30:b are like those of other
dates—almost 1/4" and round near the head, tapering to square near the point. The 29:b and 30:b have
wider dates than the :a varieties, and the 30:b's 3 is taller than 30:a's.
     1 3/4 \times 1/4 rnd R
                                          stl (17) 30:b
                                                                     Script numbers.
     21/2 \times 1/4
                     sqr R
                                          stl (18) 33:b
                                                                     Small date.
     2 1/2 \times 1/4
                                                                     Numbers are identical to rnd I (18B) 26.
                      rnd I
                                          stl (18A) 26
     2 \ 1/2 \times 1/4
                                                                     Variations exist.
                      rnd R
                                          stl (18B) 25
     2 1/2 \times 3/16 rnd R gm
                                          stl (18B) 30:b
                                                                     Large numbers.
     2 \ 1/2 \times 1/4
                      rnd R
                                          stl (19) 38
Like the 1 \frac{1}{2} 38, but the bottom of the 3 is longer.
     2 \ 1/2 \times 1/4
                                                                     Has larger numbers.
                      rnd R
                                          stl (19) 43:b
     2
            \times 1/4
                      rnd R
                                          stl (19) 39:c
                                                                     Numbers are farther apart.
            \times 1/4
                      rnd R
                                          stl (19) 51,53
The numbers are like those on the 2 \frac{1}{2} nails.
     1 \, 1/2 \, \times \, 1/4
                      rnd R
                                                                     Has larger numbers than 37:a.
                                          stl (19) 37:b
     1 \, 1/2 \, \times \, 1/4
                      rnd R
                                          stl (19) 48:b
                                                                     Has smaller numbers than 48:a.
     1 \, 1/2 \, \times \, 1/4
                     \operatorname{rnd} R
                                          stl (23) 34:b
Different style flat-top 3, and the 4 is closed at the top.
            \times 1/4 rnd R
                                          stl (24) 36
Has numbers like the 1 1/2" (24) 36:b.
     2 1/2 \times 1/4 rnd R
                                          stl (32) 74,74:b
                                                                     74:a has smaller numbers than 74:b.
```

```
21/2 \times 1/4
                     rnd R
                                         stl (32) 76,76:b
76:a has an open 6. The 76:b has a closed 6 and larger numbers.
     2 1/2 \times 1/4 rnd I
                                         stl (39) 22,23
The 23 has numbers identical to the TH&B copper (39) 23, pictured on page 63. The 22 is of similar
style.
                                                                   Round "3".
     1 \ 1/2 \ \times \ 1/4
                      rnd R
                                         stl (39) 34:c
                                         stl (39) 27
                                                                   The numbers look like rnd I (07) 27.
     1 \ 1/2 \times 1/4
                      rnd R os cp
     11/2 \times 1/4
                      rnd R os cp
                                         stl (39) 32
                                                                   Same style as the 33.
     11/2 \times 1/4
                      rnd R os cp
                                         stl (39) 33:b
                                                                   Small date.
     2 \, 1/2 \, \times \, 1/4
                      rnd R
                                         stl (47) 44:b
                                                                   Low numbers.
     21/2 \times 1/4
                      rnd R
                                         stl (47) 44:c
                                                                   Large first 4.
     1 \ 3/4 \times 3/16 \ \text{rnd I}
                                        cop (60) 52:c
Does not have the dot of (60). The numbers are the same style as 52:b, but are taller. May be (61).
                                        cop (60) 56/4
                                                                   The 6 is overstruck on the 4.
     1.3/4 \times 3/16 rnd I gm
                                        cop (60) 29:b
     1.1/4 \times 3/16 sqr I rs gm
Different style 9. This is the first 29 in [Lewis, 21].
                                                                   Numbers are identical to the 3/16" 34:c.
                     rnd R gm
                                        cop (60) 34
     1 \ 1/4 \ \times \ 1/5
     1 \, 1/2 \, \times \, 3/16 \, \text{rnd I}
                                        cop (63) 30
                                                                   A minor variation on the chisel point 30.
                                        cop (63) 31
     1.1/4 \times 3/16 rnd I gm
Numbers are the same style as the (63) 32 and 38. The 1 has no flag or foot.
     2 1/2 \times 1/4 rnd I
                                         stl (64) 18:b
The numbers are the same style of the 18, but are arranged on the head in odd positions.
                                                                   Has smaller numbers than 11:a.
                                                ) 11:b
     2 1/2 \times 1/4
                      rnd I
                                         stl (
     21/2 \times 1/4
                      rnd I
                                         stl ( ) 12:b
Tall numbers, flag and foot on the 1. A truly mysterious nail.
     2 \ 1/2 \times 1/4
                    rnd I
                                         stl ( ) 17
This nail has (64) anchor markings, and may be related to the stl (64) 18 and 19, though the number style
is completely different. Shown in [M-A '79, 5].
                                                                   Similar to the rnd R (05) 25.
     21/2 \times 1/4
                     rnd R
                                         stl ( ) 25
                                         stl ( ) 38
            \times 1/4
                     rnd R
Has narrow digits with a squarish 8, and is like (06) or (07).
                                         stl ( ) 28,30,31,32,33:b
     2 1/2 \times 1/4 rnd R
The diameter of the 33 measures .232", or just under 6 mm. The ( ) nails have flat top 3's.
                                         stl ( ) 34-36
     2
            \times 1/4- rnd R
See the note for the 2 \frac{1}{2}" nails just above.
     1.1/2 \times 3/16- rnd I gm
                                        cop ( ) 13,14
Cup-heads, thick numbers. The 13 has a flat top 3, and John Speicher beleives the 14 to be (01).
Code nails
            \times 1/4
                                         stl (05) A
                      rnd I
Pennsylvania RR. Large letter. I forgot to include this in the photo section.
                                                                   Small letter, like M #4.
     2 \ 1/2 \times 1/4
                      rnd I
                                         stl (07) C #3
     2 \ 1/2 \times 1/4
                      rnd I
                                         stl (07) X #6
This nail might not have been found. At least one collector has substituted a BR&P X in its place.
                                         stl (07) F #4
                                                                   Similar to rnd R (07) F #1.
     21/2 \times 1/4
                      rnd R
                                                                   The letter is like the (07) X \# 3.
     21/2 \times 1/4
                      rnd R
                                         stl (06) X #2
                                         stl (17) X #6
                                                                   Thin like X #3, but not as large.
     2 \ 1/2 \times 1/4
                      rnd R
     1.1/4 \times 3/16 rnd R gm
                                        cop (60) 1,3
Pennsylvania RR (page 134). The 1 has flag and foot, and the 3 has a flat top.
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Reverse listing

This list of railroads by date nail was generated by a computer program which took the listing of date nails by railroad as its input. An index of abbreviations follows the list on page 198.

Date nails with digits only are represented here. No code nails or letter-number nails are listed. Finding the sources of such nails is usually not a problem.

The nails are arranged first by type, then by metal, then by indent (I) or raised (R), and so on backwards through the list of characteristics. For example, if you want to find

$$2 \frac{1}{2} \times \frac{3}{16} \text{ rnd R gm}$$
 stl (07) 21

you first find the type (07) nails, then the steel nails, then the raised nails, then rnd, then 3/16, then 2 1/2" nails, and finally those with gm (gripper marks). Lengths and diameters are arranged from longest to shortest

Certain abbreviations appear in parentheses following railroad names. These mean

- (bt) From bridge timbers.
- (p) From railroad telegraph poles.
- (pr) From protect boards. Long Island RR.
- (sh) From second hand ties.
- (sh bt) From second hand bridge timbers.
 - (sl) Inserted by the company which treated ties listed as "Short line code set". This only applies to the 2" rnd I (07) 34.

When no such code follows a railroad abbreviation, the nail was used by the railroad in ties.

I have relied on information supplied by many, many people in order to compile the list of nails used by each railroad. Often nailers will omit references to variations. Probably some nails listed as, say, 28:a, are really 28:b or 28:c. This is especially true for variations not shown in DNC. I wonder if any railroad listed as having used rnd R (07) 25 used the 25:b instead?

Very often there are questions about certain nails, so for a more complete understanding of any attribution you make, it is best to read about the nails used by your railroad in the main part of this book.

There are many, many minor variations on nails which are not indicated in this listing. Often when two railroads are listed as having used the same nail, there is some difference in the nails. For example, both the TH&B and the NYC are listed as having used the rnd I (14) 15. But the NYC version has thicker, deeper numbers than the TH&B nail. The difference is not so great that the NYC nail needs a separate listing, but the difference is real and immediately noticeable when holding the nails side by side.

Some nails are listed as having been found only in second hand ties. The railroad which originally used these nails is unknown.

Also, consider a nail like

The source for the second hand 25's found on the C&P, D&H, etc., in this case is neither GN nor the UP, but is probably some electric railroad from New York state.

Right now the reverse listing comprises 2,202 different nails. Add to this number all letter-number dates and code nails, and the total number of nails listed in this book easily exceeds 3,500.

```
1 \, 3/4 \, \times \, 5/16 \, \text{rnd I}
                                    stl (01) 3
                                                     A&A(sh), B&C(sh)
1 3/4 \times 5/16 \text{ rnd I}
                                    stl (01) 05
                                                     C&NW
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                    stl (01) 5
                                                     C&NW, CB
                                                     C&NW
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                    \operatorname{stl}
                                        (01) 06
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                    stl (01) 6
                                                     C&NW, CB&Q, CB
                                    stl (01) 6:b
1 \, 3/4 \, \times \, 5/16 \, \text{rnd I}
                                                     MilRd
1 3/4 \times 5/16 \text{ rnd I}
                                    stl (01) 07
                                                     C&NW
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                    stl (01) 7
                                                     C&NW, CB&Q, CB, MiCe(sh)
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                    stl (01) 8
                                                     C&NW, CB
                                    stl (01) 09
                                                     MKT
1 \ 3/4 \times 5/16 \ \text{rnd I}
1 3/4 \times 5/16 \text{ rnd I}
                                    stl (01) 9
                                                     MiCe(sh)
1 3/4 \times 5/16 \text{ rnd I}
                                    stl (01) 10
                                                     C&NW, CB
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                    stl (01) 11
                                                     A&A(sh), C&NW, FJ&G(sh), GCS(sh), PSC, RV(sh)
                                    stl (01) 12
                                                     A&A(sh), C&NW, CB, FJ&G(sh), JW&NW(sh),
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                                  NYC(sh), PSC
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                    stl (01) 13
                                                     A&A(sh), C&NW, CB, FJ&G(sh), GCS(sh),
                                                  JW&NW(sh), NYC(sh), PSC, RV(sh), UV(sh)
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                    stl (01) 14
                                                     A&A(sh), CB, FJ&G(sh), JW&NW(sh), PSC
                                    stl (01) 15
                                                     A&A(sh), FJ&G(sh), GCS(sh), JW&NW(sh), NYC(sh),
1 \, 3/4 \, \times \, 5/16 \, \text{rnd I}
                                                  PSC, UV(sh)
                                    stl (01) 15:b
1.3/4 \times 5/16 \text{ rnd I}
                                                     CB
2 1/2 \times 1/4
                 rnd I
                                    stl (01) 97
                                                     MR&BT
                                    stl (01) 98
                                                     MR&BT
21/2 \times 1/4
                 rnd I
                                    stl (01) 98:b
2 \ 1/2 \times 1/4
                 rnd I
                                                     MR&BT
21/2 \times 1/4
                                    stl (01) 99
                                                     MR&BT
                 rnd I
                                    stl (01) 00
                                                     MR&BT
2 \ 1/2 \times 1/4
                 rnd I
                                    stl (01) 2
21/2 \times 1/4
                 rnd I
                                                     B&O
                                    stl (01) 03
                                                     EP&SW
21/2 \times 1/4
                 rnd I
                                                     B&O, EP&SW
21/2 \times 1/4
                                    stl (01) 3
                 rnd I
                                    stl (01) 04
                                                     CB&Q, EP&SW, MR&BT, UP
2 \, 1/2 \, \times \, 1/4
                 rnd I
                                                     Big4, C&EI, MM&SE, SP
21/2 \times 1/4
                 rnd I
                                    stl (01) 4
21/2 \times 1/4
                                    stl (01) 05
                                                     CB&Q, EP&SW, MR&BT, OSL, UP
                 rnd I
                                                     Big4, C&EI, MM&SE, OSL, SP, UP
21/2 \times 1/4
                                    stl (01) 5
                 rnd I
2 1/2 \times 1/4
                                    stl (01) 5:b
                                                     UP
                 rnd I
                                                     EP&SW, MR&BT
2 \ 1/2 \times 1/4
                                    stl (01) 06
                 rnd I
2 \ 1/2 \times 1/4
                                    stl (01) 6
                                                     EP&SW
                 rnd I
                                    stl (01) 07
                                                     D&H, EP&SW, MR&BT, OSL, UP
2 \ 1/2 \times 1/4
                 rnd I
21/2 \times 1/4
                 rnd I
                                    stl (01) 08
                                                     GVG&N, MR&BT, MKT
                                     stl (01) 8
                                                     MM&SE
2 \ 1/2 \times 1/4
                 rnd I
                                     stl (01) 09
21/2 \times 1/4
                 rnd I
                                                     MKT, SP
2 1/2 \times 1/4
                                     stl (01) 10
                                                     MKT
                 rnd I
                                                     MKT
2 1/2 \times 1/4
                 rnd I
                                     stl (01) 11
2 \ 1/2 \ \times \ 1/4
                                     stl (01) 12
                                                     L&HR, MKT, UP
                 rnd I
2 \ 1/2 \times 1/4
                 rnd I
                                     stl (01) 12:b
                                                     NYNH&H
21/2 \times 1/4
                                     stl (01) 13
                                                     Big4, L&HR, MKT, NYNH&H
                 rnd I
                                     stl (01) 14
                                                      CB, L&HR, NYNH&H, UV(sh)
21/2 \times 1/4
                 rnd I
                                                      CB, L&HR, LV, MKT, NYC(sh), NYNH&H,
                                     stl (01) 15
21/2 \times 1/4
                 rnd I
                                                  NYO&W(sh), UP
2 \ 1/2 \times 1/4
                 rnd I
                                     stl (01) 18
                                                      TH&B
21/2 \times 1/4
                 rnd I
                                     stl (01) 19
                                                      TH&B
2 \ 1/2 \times 1/4
                                     stl (01) 30
                                                      A&A(sh), D&MM(sh), D&H, FJ&G(sh), G&J(sh),
                 rnd I
                                                  M&NJ(sh)
2
       \times 1/4
                                     stl (01) 14
                                                     MKT
                 rnd I
                                                      MKT
       \times 1/4
                 rnd I
                                     stl (01) 15
```

```
stl (01) 07
                                                      MKT
1 \ 3/4 \times 1/4
                 rnd I
                                     stl (01) 11
                                                      MKT
1 \ 3/4 \times 1/4
                 rnd I
2 \, 1/2 \, \times \, 1/4
                 sqr I rs
                                     stl (01) 13
                                                      Big4
                                                      SFe
2 \ 1/2 \times 1/4
                                     stl (01) 19
                 rnd R
21/2 \times 1/4
                 rnd R
                                     stl (01) 27
                                                      L&N, LH&StL, RV(sh), Rut, SFe
21/2 \times 1/4
                                     stl (01) 27:b
                                                      AC&Y(sh), CB, DT(sh), Erie, Frisco(sh), M&NJ(sh),
                 rnd R
                                                   MKT, NYS&W(sh), Rut, SFe, Tr&Gu(sh)
                                                      L&N, LH&StL, NiPl, N&StL(sh), Rut, StJ&LC(sh)
2 \ 1/2 \times 1/4
                                     stl (01) 28
                 rnd R
                                                      A&A(sh), NYS&W(sh), Rut
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                     \operatorname{stl}
                                         (01)
                                               28:b
                                     stl (01) 29
2 \ 1/2 \times 1/4
                                                      Int(sh), L&N, LH&StL, Rut
                 rnd R
                                                      RV, SAL
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (01) 31
       \times 1/4
                 rnd R
                                     stl (01)
                                               29
                                                      DT(sh)
                                         (01)
                                               30
                                                      DT(sh)
2
       \times 1/4
                 rnd R
                                     \operatorname{stl}
                                                      GT
11/2 \times 1/4
                                     stl (01)
                                               27
                 rnd R
                                     stl (01) 28
                                                      GT
11/2 \times 1/4
                 rnd R
                                                      GT
1 \, 1/2 \, \times \, 1/4
                 rnd R
                                     stl (01) 29
11/2 \times 1/4
                                     stl (01)
                                               31
                                                      GT
                 rnd R
                                     stl (01)
                                                      SP-T
21/2 \times 9/40
                 rnd R
                                               27
                                     stl (01) 28
                                                      SP-T
2 1/2 \times 9/40
                 rnd R
                                     stl (01) 27
                                                      SFe
2 \, 1/2 \, \times \, 1/4
                 sqr R
                                               29
                                                      NaP
2 \ 1/2 \times 1/4
                 rnd I
                                     stl (03)
21/2 \times 1/4
                                     stl (03)
                                               30
                                                      JW&NW(sh), NaP, P&PU
                 rnd I
                                     stl (03) 30:b
                                                      P&PU, TC&GB
2 \ 1/2 \times 1/4
                 rnd I
21/2 \times 1/4
                                     stl (03)
                                               31
                                                      P&PU
                 rnd I
                                     stl (03)
                                               31:b
                                                      P&PU
21/2 \times 1/4
                 rnd I
                                     stl (03)
                                               32
                                                      P&PU
21/2 \times 1/4
                 rnd I
                                                      B&H(sh), M&NJ(sh), NYO&W(sh), Ste(sh)
                                     stl (03) 30
1 \ 1/2 \times 1/4
                 rnd I
                                                      M&NJ(sh), NYO&W(sh)
11/2 \times 1/4
                                         (03)
                                               31
                 rnd I
                                     \operatorname{stl}
                                         (03)
                                               26
                                                      Bo&Al, MN&S, Rut, StJ&LC(sh)
21/4 \times 1/4
                 cut I
                                     \operatorname{stl}
                                     stl (03)
21/4 \times 1/4
                                               26:b
                                                      Bo&Al, Rut
                 cut I
                                     stl (03)
                                               26:c
                                                      Bo&Al, FJ&G(sh), Rut
21/4 \times 1/4
                 cut I
21/4 \times 1/4
                                     stl (03)
                                               30
                                                      NaP
                 cut I
                                     stl (03)
                                               31
                                                      JW&NW(sh), NaP, UV(sh)
21/4 \times 1/4
                 cut I
                                     stl (03)
                                               29
                                                      L&WV, MC&CL
2 \, 1/2 \, \times \, 1/4
                 rnd R
21/2 \times 1/4
                                     stl (03)
                                               30
                                                      Int, L&WV, MC&CL, PH&D, SB
                 rnd R
                                         (03)
                                                      Int, Int(bt), L&WV, MC&CL, PH&D
21/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                               31
21/2 \times 1/4
                 rnd R
                                     stl
                                         (03)
                                               31:b
                                                      L&WV
                                     stl (03)
                                               32
                                                      PH&D
21/2 \times 1/4
                 rnd R
                                     stl (03)
                                               33
                                                      MC&CL
21/2 \times 1/4
                 rnd R
21/2 \times 1/4
                                     stl (03)
                                               34
                                                      MC&CL
                 rnd R
                                     stl (03)
                                                      SFe
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                               36
                                     stl (03)
                                               37
                                                      SFe
2 \ 1/2 \times 1/4
                 rnd R
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (03)
                                               38
                                                       SFe
                                     stl (03)
                                               39
                                                       SFe
21/2 \times 1/4
                 rnd R
                                         (03)
                                                       CB
21/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                               41
                                                      NYNH&H
                                     stl (03)
                                               42
21/2 \times 1/4
                 rnd R
                                     stl (03)
                                               54
                                                       C&O, Cli
21/2 \times 1/4
                 rnd R
                                     stl (03)
                                                       D&RGW(sh)
11/2 \times 1/4
                 rnd R
                                               29
                                               32
                                                       NaP
21/2 \times 1/4
                 cut R
                                     stl (03)
21/2 \times 1/4
                 cut R
                                     stl (03)
                                               33
                                                       NaP
                                     stl (03) 34
                                                       NaP
21/2 \times 1/4
                 cut R
```

```
21/2 \times 1/4
                   cut R
                                        stl (03) 35
                                                           A&A(sh), B&C(sh), B&M(sh), C&P(sh), M&NJ(sh),
                                                       NYNH&H, NYO&W(sh), StJ&LC(sh), UV(sh)
                                                           B&C(sh), M&NJ(sh), NYNH&H, NYO&W(sh),
21/2 \times 1/4
                   cut R
                                        stl (03) 36
                                                       StJ&LC(sh), UV(sh)
21/2 \times 1/4
                   cut R
                                        stl (03)
                                                   37
                                                           NaP
21/2 \times 1/4
                   cut R
                                        stl (03)
                                                   38
                                                           NaP
21/2 \times 1/4
                   cut R
                                        stl (03)
                                                   39
                                                           NaP
2 \ 1/2 \times 1/4
                                            (03)
                   cut R
                                                   40
                                                           NaP
                                        \operatorname{stl}
21/2 \times 1/4
                   cut R
                                        \operatorname{stl}
                                             (03)
                                                   42
                                                           FJ&G, NaP
2 \ 1/2 \times 1/4
                   cut R
                                        stl
                                            (03)
                                                   43
                                                           FJ&G
       \times 1/4
                   cut R
                                        \operatorname{stl}
                                            (03)
                                                   30
                                                           KGJ&E
2
       \times 1/4
                   cut R
                                        \operatorname{stl}
                                            (03)
                                                   31
                                                           KGJ&E
2
       \times 1/4
                                            (03)
                                                           KGJ&E
                   cut R
                                        \operatorname{stl}
                                                   32
2
       \times 1/4
                  cut R
                                        stl (03) 33
                                                           KGJ&E
2
       \times 1/4
                                        stl (03)
                   cut R
                                                   34
                                                           B\&H(sh), KGJ\&E, M\&NJ(sh), Ste(sh)
2
       \times 1/4
                  cut R
                                        stl (03)
                                                  34:b
                                                           M&NJ(sh), NYO&W(sh), Ste(sh)
2
       \times 1/4
                  cut R
                                            (03)
                                                   35
                                                           KGJ&E, M&NJ(sh), NYO&W(sh), StJ&LC(sh)
                                        \operatorname{stl}
2
       \times 1/4
                                            (03)
                                                   36
                                                           B&H(sh), KGJ&E, M&NJ(sh), NYO&W(sh), Ste(sh)
                  cut R
                                        \operatorname{stl}
2
       \times 1/4
                   cut R
                                        stl (03) 37
                                                           B&H(sh), KGJ&E, M&NJ(sh), NYO&W(sh)
2
       \times 1/4
                   cut R
                                        stl (03) 38
                                                           KGJ&E
2 \ 1/2 \times 1/4
                  rnd R
                                        stl (04)
                                                           MoPac
                                                   31
                                        stl (04)
21/2 \times 1/4
                   rnd R
                                                   32
                                                           CB
2 \, 1/2 \, \times \, 1/4
                  rnd R
                                        stl (04)
                                                   33
                                                           ACL, CB, SAL
21/2 \times 1/4
                                        stl (04)
                  rnd R
                                                   34
                                                           ACL
2 \ 1/2 \times 1/4
                  rnd R
                                        \operatorname{stl}
                                            (04)
                                                   35
                                                           CB, MoPac
2 \ 1/2 \ \times \ 1/4
                  rnd R
                                        stl (04) 36
                                                           CB
2 \ 1/2 \times 1/4
                  rnd R
                                            (04)
                                                           ACL, CB
                                        \operatorname{stl}
                                                   37
21/2 \times 1/4
                  rnd R
                                        \operatorname{stl}
                                            (04)
                                                   38
                                                           CB
21/2 \times 1/4
                  rnd R
                                            (04)
                                                  40
                                                           CB, VRR
                                        \operatorname{stl}
21/2 \times 1/4
                                        stl (04) 41
                  rnd R
                                                           VRR
2 \, 1/2 \, \times \, 1/4
                  rnd R
                                        stl (04) 44
                                                           CSS&SB(sh), Monon(sh), NC&StL
21/2 \times 1/4
                                            (04)
                                                           CSS&SB(sh), F&C(sh), NC&StL
                  rnd R
                                                  45
                                        \operatorname{stl}
       \times 1/4
                  rnd R
                                        \operatorname{stl}
                                            (04)
                                                   31
                                                           L&N
                                            (04)
2
       \times 1/4
                  rnd R
                                        stl
                                                   32
                                                           L&N
2
       \times 1/4
                  rnd R
                                        stl
                                            (04)
                                                   33
                                                           TPTNO
2
                                            (04)
                                                           L&N, L&N(p)
       \times 1/4
                  rnd R
                                        \operatorname{stl}
                                                   35
2
       \times 1/4
                  rnd R
                                        \operatorname{stl}
                                             (04)
                                                   36
                                                           L&N, L&N(p)
2
       \times 1/4
                                        stl (04)
                                                  38
                                                           L&N, L&N(p)
                  rnd R
21/2 \times 1/5
                                        stl (04) 31
                  rnd R
                                                           SP-T
21/2 \times 1/5
                  rnd R
                                        stl (04)
                                                   32
                                                           SP-T, Ver(sh)
21/2 \times 1/5
                  rnd R
                                             (04)
                                                   32:b
                                                           SP-W
                                        stl
2 \ 1/2 \times 1/5
                  rnd R
                                        \operatorname{stl}
                                            (04)
                                                   33
                                                           SP-T
21/2 \times 1/5
                  rnd R gm
                                        \operatorname{stl}
                                            (04)
                                                   33
                                                           SP-T
21/2 \times 1/5
                  rnd R gm
                                        \operatorname{stl}
                                            (04)
                                                   37
                                                           SP-T
21/2 \times 1/5
                                                           SP-T, Ver(sh)
                                            (04)
                                                   38
                  rnd R gm
                                        \operatorname{stl}
                                                           SP-T, Ver(sh)
2 \ 1/2 \times 1/5
                                        stl (04) 39
                  rnd R gm
2 \ 1/2 \times 1/5
                  rnd R gm
                                        stl (04) 40
                                                           SP-T, Ver(sh)
2 \ 1/2 \times 1/5
                                        stl (04) 41
                                                           SP-T, Ver(sh)
                  rnd R gm
2 \ 1/2 \times 1/5
                                            (04) 42
                                                           IIT, SP-T, Ver(sh)
                  rnd R gm
                                        \operatorname{stl}
2
       \times 1/5
                  rnd R
                                        stl (04) 32:b
                                                           L&HR(sh), NC&StL
2
       \times 1/5
                  rnd R
                                        \operatorname{stl}
                                            (04) 33
                                                           A&A(sh), L&BR(sh), NC&StL
                                                           A&A(sh), L&BR(sh), NC&StL
2
       \times 1/5
                  rnd R
                                        stl (04) 34
                                                           NC&StL
       \times 1/5
                  rnd R
                                        stl (04) 35
```

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L&HR(sh), NC&StL
2
       \times 1/5
                  rnd R
                                       stl (04) 35:b
2
       \times 1/5
                  rnd R
                                           (04) 36
                                                         NC&StL
2
                                                         NC&StL
       \times 1/5
                  rnd R
                                       \operatorname{stl}
                                           (04) 37
2
       \times 1/5
                                           (04) 38
                                                         NC&StL
                  rnd R
                                       \operatorname{stl}
2
                                       stl (04) 39
                                                         NC&StL
       \times 1/5
                  rnd R
                                                         NC&StL
2
       \times 1/5
                  rnd R
                                       stl (04) 40
       \times 1/5
                                       stl (04) 41:b
2
                                                         NC&StL
                  rnd R
2
       \times 1/5
                  rnd R
                                       stl (04) 42
                                                         A&A(sh), NC&StL
21/2 \times 1/4
                                       stl (04) 39
                                                         NiPl
                  sqr R
1.3/4 \times 5/16 \text{ rnd I}
                                       stl (05) 16
                                                         A&A(sh), FJ&G(sh), GCS(sh), JW&NW(sh),
                                                     M&NJ(sh), N&StL(sh), PSC, UV(sh)
                                                         A&A(sh), FJ&G(sh), JW&NW(sh), NYC(sh),
1 \ 3/4 \times 5/16 \ \text{rnd I}
                                       stl (05) 17
                                                     N&StL(sh), PSC, UV(sh)
2 \ 1/2 \times 1/4
                                       stl (05) 12
                                                         Erie
                  rnd I
                                       stl (05) 13
                                                         NP
21/2 \times 1/4
                  rnd I
21/2 \times 1/4
                  rnd I
                                       stl (05) 13:b
                                                         NP
                                       stl (05) 14
                                                         NYC, NYNH&H
21/2 \times 1/4
                  rnd I
                                           (05) 17
                                                         BR&P, CB
2 1/2 \times 1/4
                  rnd I
                                       \operatorname{stl}
                                                         E&LS, NYO&W(sh)
                                           (05) 19
2 1/2 \times 1/4
                  rnd I
                                       \operatorname{stl}
2~1/2~\times~1/4
                                           (05) 21
                                                         Big4, BR&P
                  rnd I
                                       \operatorname{stl}
21/2 \times 1/4
                                       stl (05) 22
                                                         CNS&M, C&P(sh), CB, NYNH&H, N&StL(sh),
                  rnd I
                                                      StJ&LC(sh)
2 \, 1/2 \, \times \, 1/4
                                       stl (05) 23
                                                         CNS&M, CB
                  rnd I
                                           (05) 24
                                                         CNS&M, CB
21/2 \times 1/4
                  rnd I
                                       \operatorname{stl}
21/2 \times 1/4
                                       stl (05) 25
                                                         BR&P, CNS&M, Ma&Pa(sh)
                  rnd I
                                                         BR&P, PRR
2 \ 1/2 \times 1/4
                  rnd I
                                       \operatorname{stl}
                                           (05) 25:b
                                           (05) 25:c
                                                         PRR
2 \, 1/2 \, \times \, 1/4
                  rnd I
                                       \operatorname{stl}
                                                 26
                                                         BR&P
2 \ 1/2 \times 1/4
                  rnd I
                                       \operatorname{stl}
                                           (05)
                                                         BR&P
2 \ 1/2 \times 1/4
                  rnd I
                                       stl (05)
                                                 26:b
                                       stl (05) 28
                                                         BR&P, CNS&M, MiCo
21/2 \times 1/4
                  rnd I
21/2 \times 1/4
                                       stl (05) 29
                                                         CNS&M
                  rnd I
                                                         BR&P, CNS&M
2 \ 1/2 \times 1/4
                                           (05)
                                                 30
                  rnd I
                                       \operatorname{stl}
21/2 \times 1/4
                                                         BR&P
                                       stl
                                           (05)
                                                 30:b
                  rnd I
                                           (05) 31
                                                         AC&Y(sh), A&A(sh), C&NW(sh), CNS&M, MiCo
21/2 \times 1/4
                  rnd I
                                       \operatorname{stl}
                                                         C&NW(sh), T&P
2 \ 1/2 \ \times \ 1/4
                  rnd I
                                       \operatorname{stl}
                                           (05) 32
                                           (05) 33
                                                         CNS&M, MiCo
21/2 \times 1/4
                  rnd I
                                       \operatorname{stl}
                                       stl (05)
                                                         G&J(sh)
                                                 34
2 \frac{1}{2} \times \frac{1}{4}
                  rnd I
                                                         AC&Y(sh), A&A(sh), C&NW(sh), CNS&M, MiCo,
                                       stl (05)
                                                 35
21/2 \times 1/4
                  rnd I
                                                      TPTNO
                                                          AC&Y(sh), D&MM(sh), D&H, Erie, FJ&G(sh),
2 \ 1/2 \times 1/4
                  rnd I
                                       stl (05) 36
                                                      L&HR(sh), SSL(sh)
                                                         B&H(sh), Erie, FJ&G(sh), M&NJ(sh), Prat(sh)
21/2 \times 1/4
                                       stl (05)
                                                 36:b
                  rnd I
                                           (05) 50
                                                         C&O, C&NW(sh), IC, Ma&Pa(sh), PRR
2 \ 1/2 \times 1/4
                  rnd I
                                       \operatorname{stl}
                                                         PRR
                                       stl (05) 51
21/2 \times 1/4
                  rnd I
                                                         Ma&Pa(sh), PRR
                                       stl (05)
                                                 52
21/2 \times 1/4
                  rnd I
                                       stl (05)
                                                 63
                                                         P&NW
2 \, 1/2 \, \times \, 1/4
                  rnd I
2
        \times 1/4
                  rnd I
                                       stl (05)
                                                 45
                                                         Ma&Pa(sh), PRR
        \times 1/4
                  rnd I
                                       stl (05)
                                                 47
                                                         PRR
1 \ 1/2 \ \times \ 1/4
                  rnd I
                                       \operatorname{stl}
                                           (05)
                                                 25
                                                         D&TSL
                                       stl (05)
                                                 26
                                                         D&TSL
1 \, 1/2 \, \times \, 1/4
                  rnd I
1 \ 1/2 \ \times \ 1/4
                                                         D&TSL
                                       stl (05)
                                                 28
                  rnd I
                                       stl (05) 32
                                                         D&TSL
1 \ 1/2 \times 1/4
                  rnd I
                                       stl (05) 33
                                                          D&TSL
1 \, 1/2 \, \times \, 1/4
                  rnd I
```

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1 \ 1/2 \ \times \ 1/4
                  rnd I
                                       stl (05) 34
                                                          D&TSL
1 \, 1/2 \, \times \, 1/4
                  rnd I
                                       stl (05) 37
                                                          D&TSL
1 \, 1/2 \, \times \, 1/4
                  rnd I
                                       \operatorname{stl}
                                           (05)
                                                  38
                                                          D&TSL
11/2 \times 1/4
                                           (05)
                                                  39
                                                          D&TSL
                  rnd I
                                       \operatorname{stl}
21/2 \times 1/4
                                       stl (05) 14
                                                          NYC
                  sqr I
                                       stl (05) 14:b
21/2 \times 1/4
                                                          NYC
                  sqr I
21/2 \times 1/4
                                            (05) 15
                                                          GR(sh), NYC
                  sqr I
                                       \operatorname{stl}
2 \ 1/2 \times 1/4
                                            (05)
                                                  16
                                                          CNS&M
                  sqr I
                                       \operatorname{stl}
21/2 \times 1/4
                                           (05)
                  sqr I
                                       \operatorname{stl}
                                                  21
                                                          Big4, D&MM(sh), NYC, UV(sh)
2 \ 1/2 \times 1/4
                                       stl
                                           (05)
                                                  22
                                                          Big4
                  sqr I
21/2 \times 1/4
                                           (05) 23
                                                          Big4, NYC, UV(sh)
                  sqr I
                                       \operatorname{stl}
2 \, 1/2 \, \times \, 1/4
                                       \operatorname{stl}
                                           (05)
                                                 23:b
                                                          Big4, C&EI
                  sqr I
21/2 \times 1/4
                                       stl (05) 24
                                                          A&A(sh), C&EI, CNS&M, DT(sh), FJ&G(sh),
                  sqr I
                                                      GCS(sh), JW&NW(sh), NYC, NP(p), N&StL(sh), UV(sh)
21/2 \times 1/4
                  sqr I
                                       stl (05) 25
                                                          C&EI, GR(sh), NYC, NP(p), P&WV, UV(sh)
21/2 \times 1/4
                  sqr I
                                       stl (05) 25:b
                                                         NYC, NYO&W(p)
2 \ 1/2 \times 1/4
                                       stl (05) 26
                                                          C&EI, GR(sh), IHB(sh), JW&NW(sh), MiCe(sh), NYC,
                  sqr I
                                                      N&StL(sh), P&LE
21/2 \times 1/4
                                       stl (05) 26:b
                                                         A&A(sh), C&EI, FJ&G(sh), GCS(sh), JW&NW(sh),
                  sgr I
                                                      NYC
21/2 \times 1/4
                                       stl (05) 27
                                                          Big4, C&EI, GR(sh), M&NJ(sh), NYC, NP(p), UV(sh)
                  sqr I
21/2 \times 1/4
                                       stl (05) 28
                                                          Big4, C&EI, GR(sh), JW&NW(sh), NYC, NYC(p),
                  sqr I
                                                      NYO\&W(p), NP(p), N\&StL(sh), P\&WV, UV(sh),
                                                      WA\&G(sh)
                                                          Big4, C&EI, CSS&SB(sh), NP(p)
21/2 \times 1/4
                                       stl (05) 29
                  sqr I
                                       stl (05) 30
                                                          Big4, Bo&Al, C&EI, CSS&SB(sh), NYC(sh),
21/2 \times 1/4
                  sqr I
                                                      NYO\&W(p), NP(p), P\&WV
                                                          A&A(sh), Big4, C&EI, CSS&SB(sh), GR(sh),
2 1/2 \times 1/4
                  sqr I
                                       stl (05) 31
                                                      JW&NW(sh), NYC, NYNH&H(sh), NP(p), P&WV,
                                                      SSL(sh), UV(sh), Ver(sh)
21/2 \times 1/4
                                       stl (05) 31:b
                                                          Big4
                  sqr I
21/2 \times 1/4
                                           (05) 31:c
                                                          CSS&SB(sh), NP(p)
                                       \operatorname{stl}
                  sqr I
21/2 \times 1/4
                  sqr I
                                                  31:d
                                       \operatorname{stl}
                                            (05)
                                                          A&A(sh), NYC
                                                          CSS&SB(sh), NYO&W(p)
2 1/2 \times 1/4
                  sqr I
                                            (05)
                                                  32
                                       stl
21/2 \times 1/4
                  sqr I
                                       stl
                                            (05)
                                                  32:b
                                                          Big4, C&EI, NYC, NYO&W(sh)
2 \ 1/2 \times 1/4
                  sqr I
                                       \operatorname{stl}
                                            (05)
                                                  32:c
                                                          Big4, C&EI
21/2 \times 1/4
                                            (05)
                                                  35
                                                          D\&MM(sh), GN(p), NP(p)
                  sqr I
                                       \operatorname{stl}
2 \frac{1}{2} \times \frac{1}{4}
                                           (05)
                                                  36
                                                          GN(p), NP(p)
                  sqr I
                                       \operatorname{stl}
21/2 \times 1/4
                                           (05)
                                                  37
                  sqr I
                                       \operatorname{stl}
                                                          NP(p)
2 \ 1/2 \times 1/4
                                           (05)
                                                  38
                                                          NP(p)
                  sqr I
                                       \operatorname{stl}
21/2 \times 1/4
                  sqr I
                                       \operatorname{stl}
                                            (05)
                                                  39
                                                          GN(p), NP(p)
21/2 \times 1/4
                  sqr I
                                       \operatorname{stl}
                                            (05)
                                                 40
                                                          NP(p)
2 \, 1/2 \, \times \, 1/4
                                            (05) 41
                                                          GN(p), NP(p)
                  sqr I
                                       stl
                                            (05) 42
                                                          GN(p), NP(p)
2 \ 1/2 \times 1/4
                                       stl
                  sqr I
21/2 \times 1/4
                                            (05) 43
                                                          GN(p), NP(p)
                  sqr I
                                       stl
21/2 \times 1/4
                                            (05)
                                                 44
                                                          GN(p), NP(p)
                  sqr I
                                       stl
                                           (05) 45
21/2 \times 1/4
                                                          GN(p)
                  sqr I
                                       \operatorname{stl}
21/2 \times 1/4
                  sqr I
                                       stl (05) 46
                                                          GN(p), NP(p)
21/2 \times 1/4
                                       \operatorname{stl}
                                           (05) 47
                                                          NP(p), Tr, WP-E
                  sqr I
2 \, 1/2 \, \times \, 1/4
                                       \operatorname{stl}
                                            (05)
                                                 48
                                                          D\&M, GN(p), NP(p), Tr, WP-E
                  sqr I
                                           (05)
                                                          FJ&G, MilRd(p), NP(p), Tr
21/2 \times 1/4
                                                 49
                                       \operatorname{stl}
                  sqr I
21/2 \times 1/4
                                       stl
                                           (05) 50
                                                          FJ&G, NP(p), PST, Tr, UC
                  sqr I
                                                          FJ&G, NP(p), PT, Tr, UC
2 \ 1/2 \times 1/4
                                       stl (05) 51
                  sqr I
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Int, NP(p), SP&S(bt), Tr, UC, WP-E
2 \ 1/2 \times 1/4
                                           stl (05) 52
                    sqr I
21/2 \times 1/4
                                                (05) 53
                                                               Int, NP(p), SP&S(bt), UC
                    sqr I
                                           \operatorname{stl}
21/2 \times 1/4
                    sqr I
                                           \operatorname{stl}
                                                (05) 54
                                                               Int, NP(p), UC
2 \, 1/2 \, \times \, 1/4
                                                (05)
                                                      55
                                                               Int, NP(p), WP-E
                    sqr I
                                           \operatorname{stl}
                                           stl (05) 56
                                                               Int, MilRd(p), NP(p), WP-E
21/2 \times 1/4
                    sqr I
21/2 \times 1/4
                                           \operatorname{stl}
                                                (05) 57
                    sqr I
21/2 \times 1/4
                                                (05) 58
                                                               Int, Int(bt), USG
                    sqr I
                                           \operatorname{stl}
2 \, 1/2 \, \times \, 1/4
                                           \operatorname{stl}
                                                (05)
                                                       59
                                                               Int, SP&S(bt)
                    sqr I
21/2 \times 1/4
                                                (05)
                                                       60
                    sqr I
                                           \operatorname{stl}
                                                               \operatorname{Tr}
2 1/2 \times 1/4
                    sqr I
                                           \operatorname{stl}
                                                (05)
                                                       63
                                                               SP&S(bt)
21/2 \times 1/4
                                                (05)
                                                      64
                                                               A&S
                    sqr I
                                           \operatorname{stl}
21/2 \times 1/4
                                                (05)
                                                               Erie, NYS&W(sh)
                    rnd R
                                           \operatorname{stl}
                                                      12
2 \, 1/2 \, \times \, 1/4
                    rnd R
                                                (05) 23
                                                               Big4
                                           \operatorname{stl}
                                           stl (05) 24
2 \, 1/2 \, \times \, 1/4
                                                               Big4
                    rnd R
2 \ 1/2 \times 1/4
                    rnd R
                                           stl (05) 25:b
                                                               Big4
2 \ 1/2 \times 1/4
                                                (05)
                    rnd R
                                           \operatorname{stl}
                                                      26
                                                               CNS&M, CB
2 \ 1/2 \times 1/4
                    rnd R
                                           stl (05)
                                                      26:b
                                                               Big4, CB, DT(sh), IC, M&LS(sh), MiCe, NYC(sh)
                                           stl (05) 27
                                                               Big4, CNS&M, CB, DT(sh), M&LS(sh), MiCe, MoPac,
2 \ 1/2 \times 1/4
                    rnd R
                                                           NYC(sh), TH&B(sh)
2 \ 1/2 \times 1/4
                                                      28
                                                               CB, DT(sh), MoPac, Tr&Gu(sh)
                    rnd R
                                           stl (05)
2 \ 1/2 \times 1/4
                                                (05) 29
                                                               CB, IaT(sh)
                    rnd R
                                           \operatorname{stl}
2 \ 1/2 \times 1/4
                                           stl (05) 30
                                                               CSS&SB(sh), CB, MeC
                    rnd R
21/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                               (05) 31
                                                               CSS&SB(sh), CB
21/2 \times 1/4
                    rnd R
                                                (05) 31:b
                                                               CB, MeC
                                           \operatorname{stl}
2 \, 1/2 \, \times \, 1/4
                    rnd R
                                           \operatorname{stl}
                                                (05)
                                                      33
                                                               CB
2 1/2 \times 1/4
                                                (05)
                                                      34
                                                               C&WI, CB
                    rnd R
                                           \operatorname{stl}
                                                (05) 35
                                                               CB, EStL&S(sh)
2 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
2 \, 1/2 \, \times \, 1/4
                                                (05)
                                                      36
                                                               CB, EStL&S(sh)
                    rnd R
                                           \operatorname{stl}
21/2 \times 1/4
                                                (05)
                                                               CB, EStL&S(sh), LS&I, M&LS
                    rnd R
                                           \operatorname{stl}
                                                      37
2 \ 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                                (05) 38
                                                               CB, LS&I, M&LS
2 \ 1/2 \times 1/4
                                               (05) 39
                                                               CB, NYNH&H
                    rnd R
                                           \operatorname{stl}
21/2 \times 1/4
                    rnd R
                                           stl (05) 42
                                                               CB, N&W(sh bt), VRR
                                                               AA, E&LS, N&W(sh bt), PM, VRR, Wab
21/2 \times 1/4
                                                (05) 43
                    rnd R
                                           stl
2 1/2 \times 1/4
                    rnd R
                                           stl (05) 44
                                                               AA, E&LS, VRR, Wab
                                                (05) 44:b
                                                               AA, PM, VRR, Wab
2 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                                               AA, ChRi, E&LS, PM, VRR, Wab
2 \, 1/2 \, \times \, 1/4
                    rnd R
                                           \operatorname{stl}
                                                (05) 45
21/2 \times 1/4
                                                (05) 45:b
                                                               AA, Wab
                    rnd R
                                           \operatorname{stl}
                                                               AA, CW(sh bt), CoRa, E&LS, N&W(sh bt), PM,
2 \, 1/2 \, \times \, 1/4
                    rnd R
                                           stl (05) 46
                                                           StJ&LC(sh), VRR, Wab
                                           stl (05) 46:b
2 1/2 \times 1/4
                    rnd R
                                                               Wab
21/2 \times 1/4
                                           stl (05) 47
                                                                CoRa, VRR
                    rnd R
2 1/2 \times 1/4
                    rnd R
                                           stl (05) 48
                                                               N&W(sh), VRR
2 \ 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                                (05) 49
                                                               C&O, VRR
2 \ 1/2 \times 1/4
                                                (05) 50
                                                               C&O, VRR
                    rnd R
                                           stl
21/2 \times 1/4
                                                (05) 51
                                                               VRR
                    rnd R
                                           \operatorname{stl}
2 \, 1/2 \, \times \, 1/4
                                                (05) 52
                                                               RF&P(sh), VRR
                    rnd R
                                           \operatorname{stl}
2 \ 1/2 \ \times \ 1/4
                                           stl (05) 54
                                                               ChRi
                    rnd R
21/2 \times 1/4
                    rnd R
                                           stl (05) 58
                                                               P&NW
        \times 1/4
                    rnd R
                                           \operatorname{stl}
                                                (05) 36
                                                               MV(sh)
2
        \times 1/4
                    rnd R
                                           \operatorname{stl}
                                                (05)
                                                      37
                                                               MV(sh)
                                                (05) 38
2
        \times 1/4
                    rnd R
                                                               MV(sh)
                                           stl
1 \, 1/2 \, \times \, 1/4
                    rnd R
                                           stl
                                                (05) 32
                                                               GT
                                                (05)
                                                      36
                                                               GT
1 \, 1/2 \, \times \, 1/4
                    rnd R
                                           \operatorname{stl}
1 \, 1/2 \, \times \, 1/4
                    rnd R
                                           stl (05) 36:b
                                                               GT
```

```
1 \ 1/2 \ \times \ 1/4
                                                                  B&C(sh), CV, StJ&LC(sh)
                     rnd R
                                             stl (05) 39
1 \ 1/2 \ \times \ 1/4
                     rnd R
                                             stl (05)
                                                        41
                                                                  B&C(sh), CV, StJ&LC(sh)
1 \ 1/2 \times 1/4
                                                  (05)
                                                                  B&C(sh), CV, StJ&LC(sh)
                     rnd R
                                             \operatorname{stl}
                                                         42
1 \ 1/2 \ \times \ 1/4
                     rnd R
                                             stl (05) 42:b
                                                                  CV
1 \, 1/2 \, \times \, 1/4
                                             stl (05) 43
                                                                  CV, StJ&LC(sh), Ver(sh)
                     rnd R
1 \ 1/2 \ \times \ 1/4
                                             stl (05) 44
                     rnd R
                                                                  CV, GT, NS, StJ&LC(sh)
1 \ 1/2 \ \times \ 1/4
                     rnd R
                                             \operatorname{stl}
                                                  (05)
                                                         44:b
                                                                  CV, GT, NS
1 \ 1/2 \ \times \ 1/4
                                                                  GT
                     rnd R
                                             \operatorname{stl}
                                                  (05) 44:c
1 \ 1/2 \ \times \ 1/4
                     rnd R
                                             \operatorname{stl}
                                                  (05) 45
                                                                  NS
1 \ 1/2 \ \times \ 1/4
                                                  (05)
                                                                  NS
                     rnd R
                                             \operatorname{stl}
                                                         46
                                                                  GT
1 \ 1/2 \ \times \ 1/4
                                                  (05)
                     rnd R cp
                                             \operatorname{stl}
                                                         39
1 \ 1/2 \ \times \ 1/4
                                                  (05)
                                                                  GT
                     rnd R cp
                                             \operatorname{stl}
                                                         41
11/2 \times 1/4
                                             stl (05)
                                                                  GT
                     rnd R cp
                                                        45
                                             stl (05)
1 \ 1/2 \times 1/5
                     rnd R
                                                         56
                                                                  WM
                                                                  WM
1 \ 1/2 \ \times \ 1/5
                                                  (05)
                     rnd R
                                             \operatorname{stl}
                                                         57
1 \ 1/2 \times 1/5
                     rnd R
                                             \operatorname{stl}
                                                  (05)
                                                         58
                                                                  D\&M
1 \ 1/2 \times 1/5
                                                  (05) 59
                                                                  D&M, WM
                     rnd R
                                             \operatorname{stl}
1 \ 1/2 \ \times \ 1/5
                     rnd R
                                             \operatorname{stl}
                                                  (05)
                                                         60
                                                                  D&M
1 \ 1/2 \times 1/5
                                                  (05)
                                                                  D&M, WM
                     rnd R
                                             \operatorname{stl}
                                                         61
1 \ 1/2 \times 1/5
                     rnd R
                                             \operatorname{stl}
                                                  (05)
                                                         62
                                                                  D&M
1 \ 1/2 \times 1/5
                     rnd R
                                             stl (05)
                                                         65
                                                                  D\&M
2 1/2 \times 3/16 rnd R gm
                                             stl (05)
                                                         26
                                                                  SP-T
2 1/2 \times 3/16 rnd R gm
                                             stl (05)
                                                         27
                                                                  SP-T
                                                                  SP-T
2 1/2 \times 3/16
                                                  (05)
                                                         28
                    rnd R gm
                                             \operatorname{stl}
                                                                  SP-T
2 \frac{1}{2} \times \frac{3}{16} \text{ rnd R gm}
                                             \operatorname{stl}
                                                  (05)
                                                         29
                                                                  SP-T
2 \frac{1}{2} \times \frac{3}{16}
                                                  (05)
                                                         30
                    rnd R gm
                                             \operatorname{stl}
                                                                  MilRd
1 \ 3/4 \times 3/16
                    rnd R gm
                                             \operatorname{stl}
                                                  (05)
                                                         33
13/4 \times 3/16
                     rnd R gm
                                             \operatorname{stl}
                                                  (05)
                                                         34
                                                                  MilRd
21/4 \times 9/32
                                             stl (05)
                                                         30
                                                                  N&W
                     sqr R
21/2 \times 1/4
                                             stl (05) 24
                                                                  FJ&G(sh bt), NYC
                     sqr R
2 \ 1/2 \times 1/4
                                             stl (05) 25
                                                                  Bo&Al(sh), FJ&G(sh bt), JW&NW(sh), NYC,
                     sqr R
                                                              N&StL(sh), Rut, UV(sh), Ver(sh)
2 \ 1/2 \times 1/4
                     sqr R
                                             stl (05) 25:b
                                                                  NYC
21/2 \times 1/4
                     sqr R
                                             \operatorname{stl}
                                                 (05)
                                                         30
                                                                  MisCe
2 \ 1/2 \times 1/4
                     sqr R
                                             stl (05)
                                                         32
                                                                  MisCe
21/2 \times 1/4
                                                  (05)
                                                                  MisCe
                                             \operatorname{stl}
                                                         33
                     sqr R
                                             stl (05)
21/2 \times 1/4
                                                         34
                                                                  MisCe
                     sqr R
21/2 \times 1/4
                                             stl (05)
                                                         35
                                                                  MisCe
                     sqr R
                                             stl (05)
21/2 \times 1/4
                                                         36
                                                                  MisCe
                     sqr R
2 \ 1/2 \times 1/4
                                                  (05)
                                                                  MisCe
                     sqr R
                                             \operatorname{stl}
                                                         37
2 \ 1/2 \times 1/4
                     sqr R
                                             \operatorname{stl}
                                                  (05)
                                                         38
                                                                  MisCe
21/2 \times 1/4
                                             \operatorname{stl}
                                                  (05) 39
                                                                  MisCe
                     sqr R
2 \ 1/2 \times 1/4
                                             \operatorname{stl}
                                                  (05)
                                                         40
                                                                  MisCe
                     sqr R
21/2 \times 1/4
                                                  (05)
                                                                  MisCe
                                             \operatorname{stl}
                                                         41
                     sqr R
21/2 \times 1/4
                                             \operatorname{stl}
                                                  (05)
                                                         42
                                                                  MisCe
                     sqr R
2 \ 1/2 \times 1/4
                                             stl (05) 43
                                                                  MisCe
                     sqr R
21/2 \times 1/4
                     sqr R
                                             stl (05) 44
                                                                  MisCe
21/2 \times 1/4
                                             stl (05) 51
                                                                  USG
                     sqr R
21/2 \times 1/4
                                                  (05)
                                                                  M&SV
                     sqr R
                                             \operatorname{stl}
                                                         54
21/2 \times 1/4
                                             \operatorname{stl}
                                                  (05)
                                                         55
                                                                  UC
                     sqr R
                     sqr R
                                                  (05)
                                                                  P&NW
21/2 \times 1/4
                                             stl
                                                         56
21/2 \times 1/4
                                                  (05)
                                                         57
                                                                  P&NW
                     sqr R
                                             \operatorname{stl}
2 \ 1/2 \times 1/4
                     sqr R
                                             \operatorname{stl}
                                                  (05)
                                                         59
                                                                  P&NW
         \times 1/4
                                             stl (05) 24
                                                                  CGN
                     sqr R
```

```
CGN
       \times 1/4
                sqr R
                                    stl (05) 25
2 \ 1/2 \times 1/4
                cut R
                                    stl (05) 43
                                                    N&W
2 \ 1/2 \times 1/4
                                    stl (05) 44
                                                     CW(sh bt), N&W, N&W(bt)
                cut R
2 1/2 \times 1/4
                cut R
                                    stl (05) 45
                                                     N&W
21/2 \times 1/4
                                    stl (05) 46
                                                    N&W
                cut R
                                    stl (05) 47
21/2 \times 1/4
                                                     CW(sh), N&W, N&W(bt)
                cut R
2 \ 1/2 \times 1/4
                cut R
                                    stI
                                       (05) 48
                                                     N&W
2 \ 1/2 \times 1/4
                                    stl (05) 49
                                                     CW(sh), N&W, RF&P(sh)
                cut R
2 \ 1/2 \times 1/4
                cut R
                                    stl (05) 50
                                                    Int, N&W, N&W(bt)
2 \ 1/2 \times 1/4
                                    stl (05) 51
                                                    Int, N&W, RF&P(sh)
                cut R
2 \ 1/2 \times 1/4
                                    stl (05) 52
                                                    N&W, RF&P(sh)
                cut R
2 \ 1/2 \times 1/4
                                    stl (05) 53
                                                     CW(sh), N&W, N&W(bt)
                cut R
                                    stl (05) 34
1.3/4 \times 3/16 cut R
                                                     GT
                                    stl (05) 35
1 \, 3/4 \, \times \, 3/16 \, \text{cut R}
                                                     GT
13/4 \times 3/16 cut R
                                    stl (05) 36
                                                     GT
21/2 \times 1/4
                                    stl (05?) 35
                                                     C&WI, M&NJ(sh)
                cut R
21/2 \times 1/4
                                    stl (05?) 36
                                                     C&WI
                cut R
2 1/2 \times 1/4
                                    stl (06) 32
                                                     CNS&M, E&LS, IIT, LS&BC(sh)
                rnd I
                                    stl (06) 33
2 \ 1/2 \times 1/4
                rnd I
                                                     E&LS, T&P
21/2 \times 1/4
                rnd I
                                    stl (06) 34
                                                     C&NW(sh), CNS&M, CSS&SB(sh), NP(p)
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 35
                                                     CSS&SB(sh)
21/2 \times 1/4
                                                     C&NW(sh), CSS&SB(sh), NYO&W(sh), T&P
                                        (06) 36
                rnd I
                                    \operatorname{stl}
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 37
                                                     CSS&SB(sh)
                                                     CSS&SB(sh), FDDM&S, M&StL(sh), T&P
21/2 \times 1/4
                                    stl (06) 38
                rnd I
                                    stl (06) 39
                                                     CSS&SB(sh), T&P
2 \ 1/2 \times 1/4
                rnd I
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 40
                                                     CSS&SB(sh), YW
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 41
                                                     CSS&SB(sh), E&LS
                                    stl (06) 42
                                                     CSS&SB(sh)
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 43
21/2 \times 1/4
                                                     Int, M&StL(sh)
                rnd I
2 \ 1/2 \times 1/4
                                    stl (06) 44
                                                     C&EI, Int, YW
                rnd I
2 \ 1/2 \times 1/4
                                    stl (06) 45
                                                     C&EI, C&IM
                rnd I
21/2 \times 1/4
                rnd I
                                    stl (06) 46
                                                     C&O, CSS&SB(sh), P&NW
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 47
                                                     CSS&SB(sh), M-I(bt)
2 \ 1/2 \times 1/4
                                    stl (06) 48
                                                     C&O, CSS&SB(sh), IC, P&NW, YW
                rnd I
2 1/2 \times 1/4
                                    stl (06) 49
                                                     C&O, CSS&SB(sh), P&NW
                rnd I
                                    stl (06) 50
2 \ 1/2 \times 1/4
                                                     C&O, Erie, P&NW, SSL(sh)
                rnd I
2 1/2 \times 1/4
                rnd I
                                    stl (06) 51
                                                     CoRa, Erie, LAJ
2~1/2~\times~1/4
                                    stl (06) 52
                                                     B\&H(sh), C\&O, D\&H(sh), DT\&I(sh), Erie, G\&J(sh),
                rnd I
                                                 LAJ, NYO&W(sh), P&NW, USG
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 53
                                                     LAJ, P&NW
                                    stl (06) 54
                                                     Alm, GN(p), LAJ, M&SV
2 \ 1/2 \times 1/4
                rnd I
2 \ 1/2 \times 1/4
                                    stl (06) 55
                                                     A&A(sh), BA&P(p), Erie, LAJ, Ma&Pa(sh),
                rnd I
                                                 NYO&W(sh), PRR, USG
                                                     Alm, BA&P(p), IC, LAJ
2 \ 1/2 \times 1/4
                                    stl (06) 56
                rnd I
                                    stl (06) 57
21/2 \times 1/4
                rnd I
                                                     LAJ, USG
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 58
                                                     LAJ
2 \ 1/2 \times 1/4
                                        (06) 59
                                                     BA&P(p), LAJ
                rnd I
                                    \operatorname{stl}
                                       (06) 60
                                                     LAJ, P&NW
2 \ 1/2 \times 1/4
                rnd I
                                    \operatorname{stl}
                                    stl (06) 61
                                                     BA&P(p), LAJ
2 \ 1/2 \times 1/4
                rnd I
                                    stl (06) 62
2 \ 1/2 \times 1/4
                rnd I
                                                     LAJ
                                    stl (06) 63
                                                     LAJ, RI
21/2 \times 1/4
                rnd I
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2 \ 1/2 \times 1/4
                                     stl (06) 64
                                                      LAJ, RI
                 rnd I
21/2 \times 1/4
                                        (06)
                                                      LAJ
                 rnd I
                                     \operatorname{stl}
                                              65
2 \ 1/2 \times 1/4
                                         (06)
                                              66
                                                      LAJ
                 rnd I
                                     \operatorname{stl}
21/2 \times 1/4
                                                      LAJ
                 rnd I
                                     \operatorname{stl}
                                        (06)
                                              67
21/2 \times 1/4
                                        (06)
                                              68
                                                      LAJ
                 rnd I
                                     \operatorname{stl}
                                        (06)
                                                      BA&P(p)
2
       \times 1/4
                 rnd I
                                              53
                                     \operatorname{stl}
2
                                                      UC
       \times 1/4
                 rnd I
                                     \operatorname{stl}
                                         (06)
                                              62
                                                      UC
2
       \times 1/4
                 rnd I
                                     \operatorname{stl}
                                         (06)
                                              63
                                              53
1 \ 1/2 \ \times \ 1/4
                                        (06)
                                                      S-BC
                 rnd I
                                     \operatorname{stl}
                                         (06)
                                              56
                                                      S-BC
       \times 1/4
                 rnd I
                                     \operatorname{stl}
11/2 \times 1/5
                                                      StJL
                                        (06)
                                              46
                 rnd I
                                     \operatorname{stl}
1 \, 1/2 \, \times \, 1/5
                                        (06)
                                              66
                                                      D&M
                 rnd I
                                     \operatorname{stl}
                                     stl (06)
                                              30
                                                      Frisco(sh), SFe, Wab
2 \ 1/2 \times 1/4
                 rnd R
21/2 \times 1/4
                                     stl (06) 31
                                                      AA, BS, CSS&SB(sh), CB, DM&CI(sh), EJ&E,
                 rnd R
                                                  FJ&G(sh), FDDM&S, Frisco(sh), IIT, MN&S, MoPac, RI,
                                                  SFe, TP&W, Wab
21/2 \times 1/4
                                     stl (06) 32
                                                      AA, CB&Q, CSS&SB(sh), CB, DM&IR, EStL&S(sh),
                 rnd R
                                                  EJ&E, GN, MC&CL, MER&L(p), MN&S, MoPac, RI,
                                                  SFe, Soo, TPTNO(sh), Tr&Gu(sh), Wab
                                                      AA, C&WI, CSS&SB(sh), EJ&E, GN, LS&I,
21/2 \times 1/4
                 rnd R
                                     stl (06) 33
                                                  MER&L(p), MoPac, MoPac(bt), RI, SFe, Soo, TP&W,
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (06) 34
                                                      AA, CSS&SB(sh), CB, D&SL, DM&IR, EJ&E, GN,
                                                  G&J(sh), MC&CL, MER&L(p), MN&S, RI, SFe, Soo,
                                                  TP&W, Wab
21/2 \times 1/4
                                                      AA, Apac(sh), C&A(sh), CSS&SB(sh), CB, D&SL,
                                     stl (06) 35
                 rnd R
                                                  DM&IR, EJ&E, GN, LS&I, MER&L(p), RI, SFe, Wab
                                                      AA, C&IM, CSS&SB(sh), DM&IR, EJ&E, Frisco(sh),
21/2 \times 1/4
                 rnd R
                                     stl (06) 36
                                                  GN, LS&I, MisCe, MoPac, RI, SFe, Sie, Wab
2 \ 1/2 \times 1/4
                                     stl (06) 37
                                                      AA, CSS&SB(sh), CB, DM&IR, EJ&E, GN,
                 rnd R
                                                  MER&L(p), RI, SFe, Soo, Wab
                                                      C&IM, CSS&SB(sh), DM&IR, EJ&E, GN, RI, SFe
21/2 \times 1/4
                                     stl (06) 38
                 rnd R
21/2 \times 1/4
                                        (06)
                                              38:b
                 rnd R
                                     \operatorname{stl}
                                                      AA, C&IM, CSS&SB(sh), CB, DM&IR, EJ&E, GN, RI,
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (06) 39
2 \ 1/2 \times 1/4
                                     stl (06) 40
                                                      C&IM, CSS&SB(sh), CB, DM&IR, EJ&E, GN, LS&I,
                 rnd R
                                                  RI, SFe, Wab
                                     stl (06) 40:b
                                                      SFe
21/2 \times 1/4
                 rnd R
                                                      AA, C&O, C&IM, CSS&SB(sh), CB, EJ&E, E&LS, RI,
21/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                        (06)
                                              41
                                                  Wab
                                                      C&IM, CSS&SB(sh), CB, DM&IR, EJ&E, LS&I, RI
21/2 \times 1/4
                 rnd R
                                     stl (06)
                                              42
2 \ 1/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                        (06)
                                              43
                                                      C&IM, CSS&SB(sh), EJ&E, Int, LS&I, RI, SFe, Soo
                                                      C&O, C&IM, EJ&E, Int, LS&I, RI, Soo
2 1/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                        (06)
                                              44
                                                      C&O, C&IM, EJ&E, RI, Soo, YW
21/2 \times 1/4
                                        (06)
                                              45
                 rnd R
                                     \operatorname{stl}
                                                      C&O, DM&IR, EJ&E, LS&I, M&LS, RI, Soo
21/2 \times 1/4
                                         (06)
                 rnd R
                                     stl
                                              46
                                                      DM&IR, EJ&E, E&LS, GN, LS&I, M&LS, RI, Soo, TT
2 \ 1/2 \times 1/4
                                         (06)
                                              47
                 rnd R
                                     \operatorname{stl}
                                     stl (06)
                                                      AA, A&A(sh), CSS&SB(sh), DM&IR, EJ&E, E&LS,
21/2 \times 1/4
                 rnd R
                                              48
                                                  GN, LS&I, M&LS, PM, RI, SFe, Ver(sh), Wab
21/2 \times 1/4
                                     stl (06) 48:b
                                                      AA, B&G, CSS&SB(sh), DM&IR, GN, SFe, Soo
                 rnd R
                                     stl (06) 49
                                                      BA&P(sh), CSS&SB(sh), DM&IR, EJ&E, E&LS, GN,
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                                  LS&I, M&LS, RI, Soo
21/2 \times 1/4
                                     stl (06) 50
                                                      CSS&SB(sh), CoRa, DM&IR, EJ&E, E&LS, GN,
                 rnd R
                                                   GN(p), LS&I, M&LS
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21/2 \times 1/4
                                         stl (06) 50:b
                                                            RI, Soo
                   rnd R
                                                            C&O, CoRa, EJ&E(p), E&LS, LS&I, M&LS
21/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (06)
                                                   51
2 \, 1/2 \, \times \, 1/4
                                              (06) 51:b
                                                            CB, DM&IR, GN, RI, Soo
                   rnd R
                                         \operatorname{stl}
                                                            AD&N, C&G, CB, DM&IR, E&LS, GN, IC, LS&I,
2 \, 1/2 \, \times \, 1/4
                   rnd R
                                         stl (06) 52
                                                        M&LS, RI, Soo
                                                            Alm, AD&N, DM&IR, GN, IaT(sh), NYO&W(p),
2 1/2 \times 1/4
                   rnd R
                                         stl (06) 53
                                                        NP(p), RI, Soo
21/2 \times 1/4
                                                            AD&N, C&O, C&NW(sh), DM&IR, E&LS, GN, IC, RI,
                   rnd R
                                         stl (06) 54
                                                        Soo
                                         stl (06) 55
                                                            DM&IR, GN, LS&I, M&LS, RI, S-BC, Soo
21/2 \times 1/4
                   rnd R
                                                            Alm, C&O, DM&IR, GN, LS&I, MeC, M&LS, RI,
21/2 \times 1/4
                                         stl (06) 56
                   rnd R
                                                        S-BC
                                                            MeC, RI, SFe
21/2 \times 1/4
                                         stl (06) 56:b
                   rnd R
21/2 \times 1/4
                   rnd R
                                         stl (06)
                                                   57
                                                            C&O, C&NW, CB, DM&IR, GN, PRR, RI, Soo
21/2 \times 1/4
                                                            Alm, C&NW, DM&IR, GN, NatMex, RI, Soo
                   rnd R
                                         \operatorname{stl}
                                             (06) 58
2 \, 1/2 \, \times \, 1/4
                   rnd R
                                         \operatorname{stl}
                                              (06)
                                                    59
                                                            GN, M&LS, NatMex, RI
21/2 \times 1/4
                                              (06)
                                                            Ba&Ar, EJ&E, GN, MeC, RI
                   rnd R
                                         stl
                                                    60
                                                            Alm, C&O, DM&IR, EJ&E, EJ&E(p), GN, RI, URR
21/2 \times 1/4
                   rnd R
                                         stl
                                              (06)
                                                   61
2 \ 1/2 \times 1/4
                                              (06)
                                                   62
                                                            EJ&E, RI
                   rnd R
                                         stl
21/2 \times 1/4
                                              (06)
                                                    63
                                                            EJ&E, Soo, USG, Ver(sh)
                   rnd R
                                         stl
                                                            EJ&E
2 \ 1/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                              (06)
                                                   64
                                              (06) 65
                                                            EJ&E
21/2 \times 1/4
                   rnd R
                                         stl
21/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (06) 66
                                                            EJ&E, GN, MeC
21/2 \times 1/4
                                              (06) 67
                                                            EJ&E, GN, MeC, UC
                                         stl
                   rnd R
21/2 \times 1/4
                                              (06) 68
                                                            EJ&E, GN, USG
                   rnd R
                                         \operatorname{stl}
21/2 \times 1/4
                                              (06) 68:b
                                                            GN, MeC, RF&P, UC
                   rnd R
                                         stl
2~1/2~\times~1/4
                                              (06) 69
                                                            EJ&E, GN
                   rnd R
                                         stl
                                                            EJ&E, EJ&E(p)
21/2 \times 1/4
                   rnd R
                                         stl
                                              (06)
                                                    70
21/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                              (06)
                                                    72
                                                            EJ\&E, EJ\&E(p)
                                              (06) 32
                                                            CB&Q
2
        \times 1/4
                   rnd R
                                         \operatorname{stl}
2
        \times 1/4
                   rnd R
                                              (06) 33
                                                            CB&Q
                                         \operatorname{stl}
2
                                              (06) 34
                                                            CB&Q
        \times 1/4
                   rnd R
                                         \operatorname{stl}
2
        \times 1/4
                   rnd R
                                         \operatorname{stl}
                                              (06)
                                                    39
                                                            MV(sh)
2
                                              (06) 48
        \times 1/4
                   rnd R
                                         \operatorname{stl}
                                                            Alm
2
        \times 1/4
                   rnd R
                                         stl
                                              (06) 49
                                                            M&SV
2
        \times 1/4
                                              (06) 50
                                                            M&SV
                   rnd R
                                         \operatorname{stl}
2
        \times 1/4
                   rnd R
                                         \operatorname{stl}
                                              (06)
                                                   51
                                                            M&SV
2
                                              (06) 59
                                                            Alm
        \times 1/4
                   rnd R
                                         \operatorname{stl}
2
        \times 1/4
                   rnd R
                                              (06) 61
                                                            Alm
                                         \operatorname{stl}
2
                   rnd R
                                              (06) 72
                                                            PST
        \times 1/4
                                         \operatorname{stl}
2
        \times 1/4
                   rnd R GM
                                         \operatorname{stl}
                                              (06)
                                                    54
                                                            TAStL
                   rnd R GM
2
        \times 1/4
                                         \operatorname{stl}
                                              (06) 55
                                                            TAStL
                                              (06) 31
                                                            CB&Q
13/4 \times 1/4
                   rnd R
                                         stl
                                                            CB&Q
13/4 \times 1/4
                                              (06)
                                                    34
                   rnd R
                                         stl
                                                            CB&Q
13/4 \times 1/4
                                              (06)
                                                    35
                   rnd R
                                         \operatorname{stl}
                                              (06)
                                                            CB&Q
1 \ 3/4 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                                    36
                                             (06) 37
                                                            CB&Q
1 \ 3/4 \times 1/4
                   rnd R
                                         \operatorname{stl}
1 \ 3/4 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                              (06) 38
                                                            CB&Q
13/4 \times 1/4
                                              (06) 39
                                                            CB\&Q, CB\&Q(p)
                   rnd R
                                         \operatorname{stl}
13/4 \times 1/4
                                              (06) 40
                                                            CB&Q
                   rnd R
                                         \operatorname{stl}
                                              (06) 41
                                                            CB&Q
13/4 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                              (06) 31
                                                            GT
1 \ 1/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                                            B&C(sh), CV, DW&P
                                         stl (06) 47
11/2 \times 1/4
                   rnd R
```

```
1 \ 1/2 \times 1/4
                 rnd R
                                     stl (06) 49
                                                      DM&CI(sh), D&M
11/2 \times 1/4
                                     stl (06) 50
                 rnd R
                                                      D\&M
11/2 \times 1/4
                 rnd R
                                     stl (06) 52
                                                      GT
1 \, 1/2 \, \times \, 1/4
                                     stl (06) 53
                                                      GT, TAStL
                 rnd R
                                     stl (06) 55
1 \ 1/2 \times 1/4
                 rnd R
                                                      GT
11/2 \times 1/4
                                     stl (06) 56
                                                      GT, Soo
                 rnd R
1 \, 1/2 \, \times \, 1/4
                                     stl (06) 45
                                                      DW&P
                 rnd R cp
1 \ 1/2 \ \times \ 1/4
                                    stl (06) 46
                                                      DW&P
                 rnd R cp
1 \ 1/2 \ \times \ 1/4
                 rnd R GM
                                     stl (06) 35
                                                      MilRd
       \times 1/4
                 rnd R
                                     stl (06) 35
                                                      KO&G, MKT
1
                                     stl (06) 36
                                                      KO&G, MKT
1
       \times 1/4
                 rnd R
                                                      KO&G, MKT
1
       \times 1/4
                 rnd R
                                     stl (06) 37
       \times 1/4
                                     stl (06) 38
                                                      KO&G, MKT
1
                 rnd R
                 rnd R
                                     stl (06) 42
1 \, 1/2 \, \times \, 1/5
                                                      AC&Y(sh), CNS&M
1 \ 1/2 \ \times \ 1/5
                                     stl (06) 43
                                                      A&A(sh), C&NW(sh), CNS&M
                 rnd R
1 \ 1/2 \ \times \ 1/5
                 rnd R
                                     \operatorname{stl}
                                        (06) 44
                                                      CNS&M
1 \ 1/2 \ \times \ 1/5
                                     stl (06) 45
                                                      CB&Q, StJL
                 rnd R
1 \ 1/2 \ \times \ 1/5
                                     stl (06) 46
                                                      AC\&Y(sh), B\&C(sh), C\&NW(sh), CNS\&M
                 rnd R
1 \, 1/2 \, \times \, 1/5
                 rnd R
                                     stl (06) 47
                                                      AC\&Y(sh), B\&C(sh), C\&NW(sh), CNS\&M
1 \ 1/2 \ \times \ 1/5
                                     stl (06) 48
                                                      B&C(sh), StJL
                 rnd R
                                                      CNS&M, StJL
1 \ 1/2 \ \times \ 1/5
                 rnd R
                                     stl (06) 49
                                     stl (06) 50
1 \ 1/2 \times 1/5
                 rnd R
                                                      C&NW(sh), CNS&M
1 \ 1/2 \ \times \ 1/5
                 rnd R
                                     stl (06) 51
                                                      AC&Y(sh), C&NW(sh), CNS&M, D&M
11/2 \times 1/5
                                     stl (06) 52
                                                      AC&Y(sh), C&NW(sh), CNS&M, D&M
                 rnd R
1 \ 1/2 \times 1/5
                                    stl (06) 53
                                                      AC&Y(sh), C&NW(sh), CNS&M, D&M
                 rnd R
1 \ 1/2 \times 1/5
                                     stl (06) 54
                                                      AC&Y(sh), C&NW(sh), CNS&M, D&M
                 rnd R
1 \ 1/2 \ \times \ 1/5
                                    stl (06) 55
                                                      AC&Y(sh), C&NW(sh), CNS&M, D&M
                 rnd R
1 \ 1/2 \times 1/5
                 \operatorname{rnd} R
                                     stl (06) 56
                                                      AC&Y(sh), CNS&M, D&M
1 \ 1/2 \times 1/5
                 rnd R
                                     stl (06) 57
                                                      AC&Y(sh), C&NW(sh), CNS&M, D&M
1 \ 1/2 \times 1/5
                                     stl (06) 58
                                                      CNS&M
                 rnd R
1 \, 1/2 \, \times \, 1/5
                 rnd R
                                     stl (06) 60
                                                      WM
1 3/4 \times 3/16 rnd R gm
                                     stl (06) 33
                                                      DT(sh), MilRd
1 3/4 \times 3/16 rnd R gm
                                    stl (06) 34
                                                      DT(sh), MilRd
2 \ 1/2 \ \times \ 1/4
                                                      C&O
                                     stl (06) 56
                 sqr R rs
2 \ 1/2 \times 1/4
                 pnt R rs
                                    stl (06) 48
                                                      SFe
2 \ 1/2 \times 1/4
                                    stl (06) 56
                                                      C&O, SFe
                 pnt R rs
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                    cop (06) 40
                                                      MiCo
21/2 \times 1/4
                                    cop (06) 33
                                                      B&G
                 rnd R
21/2 \times 1/4
                                    cop (06) 34
                                                      B&G
                 rnd R
2 1/2 \times 1/4
                                    cop (06) 37
                                                      B&G
                 rnd R
1.1/4 \times 3/16 rnd R
                                    cop (06) 39
                                                      CNS&M
                                    cop (06) 40
1.1/4 \times 3/16 \text{ rnd R}
                                                      CNS&M, G&GE
                                    cop (06) 41
1.1/4 \times 3/16 \text{ rnd R}
                                                      CNS&M
                                     stl (07) 09
                                                      CB
1.3/4 \times 5/16 rnd I GM
1 3/4 \times 5/16 \text{ rnd I GM}
                                     stl (07) 11
                                                      CB
                                                      C&NW
1.3/4 \times 5/16 rnd I GM
                                     stl (07) 25
13/4 \times 5/16 rnd I GM
                                     stl (07) 26
                                                      C&NW, H&NE(sh)
1.3/4 \times 5/16 rnd I GM
                                     stl (07) 27
                                                      C&NW
1 \ 3/4 \times 5/16 \ \mathrm{rnd} \ \mathrm{I} \ \mathrm{GM}
                                     stl (07) 27:b
                                                      C&NW
                                     stl (07) 9
       \times 11/40 rnd I
                                                      C&NW, MiCe(sh)
                                     stl (07) 31
                                                      C&NW
       \times 11/40 rnd I
2 \ 1/2 \times 1/4
                                     stl (07) 99
                                                      GN
                rnd I
2 \ 1/2 \times 1/4
                rnd I
                                     stl (07) 00
                                                      GN
```

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GN
2 \, 1/2 \, \times \, 1/4
                rnd I
                                   stl (07) 01
                                      (07)
                                            02
                                                   GN
21/2 \times 1/4
                rnd I
                                   stl (07)
                                                   C&A, EP&SW, GN, SP
2 \ 1/2 \times 1/4
                rnd I
                                            03
21/2 \times 1/4
                                   stl (07)
                                           04
                                                   C&A, GN, SP
                rnd I
                                                   C&A, GN, OSL, SP, UP
                                   stl (07) 05
21/2 \times 1/4
                rnd I
                                                   OSL, SFe, SP, UP
21/2 \times 1/4
                                   stl (07) 5
                rnd I
21/2 \times 1/4
                                   stl (07) 5:b
                                                   SFe
                rnd I
21/2 \times 1/4
                rnd I
                                   stl
                                       (07) 06
                                                   GN, OSL, RI, SP, UP
                                      (07) 06:b
                                                   SP
21/2 \times 1/4
                rnd I
                                   \operatorname{stl}
2 \, 1/2 \, \times \, 1/4
                rnd I
                                   \operatorname{stl}
                                       (07) 06:c
                                                   StLRM&P
21/2 \times 1/4
                                      (07) 6
                                                   SFe, SP, UP
                rnd I
                                   \operatorname{stl}
                                       (07) 6:b
                                                   SP
21/2 \times 1/4
                rnd I
                                   \operatorname{stl}
21/2 \times 1/4
                                   stl (07) 6
                                                   Big4, SFe
                rnd I
                                   stl (07) 07
                                                   BA&P(sh), C&A, CB&Q, GN, NYNH&H, NP, OSL,
21/2 \times 1/4
                rnd I
                                                RI, SP, UP
                                                   Big4, OSL, SFe, SP, UP
21/2 \times 1/4
                rnd I
                                   stl (07) 7
21/2 \times 1/4
                rnd I
                                   stl (07) 08
                                                   Big4, BA&P(sh), EP&SW, E&LS, Frisco, GN,
                                                MR&BT, NYNH&H, NP, RI, StFC(sh), StLIM&S, SLR,
                                                   CB&Q, GN, IC, RI, SP
21/2 \times 1/4
                                   stl (07) 08:b
                rnd I
                                   stl (07) 08:c
                                                   MKT, Monon
2 1/2 \times 1/4
                rnd I
                                   stl (07) 08:d
                                                   MilRd
21/2 \times 1/4
                rnd I
                                                   B&O, CB&Q, Frisco, IS, NP, OSL, SFe, SP, UP
21/2 \times 1/4
                rnd I
                                   stl (07) 8
                                   stl (07) 09
21/2 \times 1/4
                                                   CB\&Q, CAM(sh), DM\&CI(sh), EJ\&S(sh), EP\&SW,
                rnd I
                                                E&LS, GN, IC, M&GR, MR&BT, NYNH&H, RI, SP
                                   stl (07) 09:b
                                                   Big4, BA&P(sh), CAM(sh), Frisco, GN, NYNH&H, NP,
21/2 \times 1/4
                rnd I
                                                OSL, RI, SP, UP
                                                   RI, SP
2 \, 1/2 \, \times \, 1/4
                rnd I
                                   stl (07) 09:c
21/2 \times 1/4
                rnd I
                                   stl (07) 09
                                                   CB&Q, StFC(sh), SP
                                                   CB&Q, Monon, OSL, StLIM&S, SFe, SP, UP
21/2 \times 1/4
                                   stl (07) 9
                rnd I
21/2 \times 1/4
                rnd I
                                   stl (07) 9:b
                                                   CB&Q
                                                   MR&BT, SFe, UP
21/2 \times 1/4
                                   stl (07) 9
                rnd I
                                                   BR&P, CB&Q, CAM(sh), EJ&S(sh), EP&SW, Erie,
21/2 \times 1/4
                rnd I
                                   stl (07) 10
                                                E&LS, GN, IC, L&HR, LV, L&N, M&GR, NYNH&H, NP,
                                                OSL, RI, StLIM&S, SFe, SP, T&P, UP
                                                   DM&CI(sh), MR&BT, OSL, RI
2 \ 1/2 \times 1/4
                rnd I
                                   stl (07) 10:b
                                                   Big4, BA&P(sh), Erie, Frisco, GN, Monon, NYC,
2 \ 1/2 \times 1/4
                rnd I
                                   stl (07) 10:c
                                                NYNH&H, NP, RI, SP, UP
                                   stl (07) 10:d
                                                   C&A, SFe
21/2 \times 1/4
                rnd I
                                   stl (07) 10:e
21/2 \times 1/4
                                                   RI
                rnd I
                                   stl (07) 10:f
                                                   GN
21/2 \times 1/4
                rnd I
2 \ 1/2 \times 1/4
                rnd I
                                   stl (07) <u>10</u>
                                                   CB&Q, SFe, SP
                                                   BR&P, C&A, CB&Q, DM&CI(sh), EJ&S(sh), Erie,
                                   stl (07) 11
21/2 \times 1/4
                rnd I
                                                E&LS, FJ&G(sh), GN, IIT, M&GR, M&O(sh), MR&BT,
                                                MoPac, MM&SE, NYC, NP, OSL, RI, StLIM&S, UP
                                   stl (07) 11:b
                                                   BR&P
2 \, 1/2 \, \times \, 1/4
                rnd I
                                   stl (07) 11:c
                                                   SP, T&P
21/2 \times 1/4
                rnd I
                                                   SP
21/2 \times 1/4
                rnd I
                                   stl (07) 11:d
                                                   A&A(sh), B&O, BR&P, CB&Q, CB, D&MM(sh),
2 \ 1/2 \times 1/4
                rnd I
                                   stl (07) 12
                                                EJ&S(sh), Erie, E&LS, FJ&G(sh), IlT, LV, L&N, M&GR,
                                                MER&L(p), MR&BT, Monon, MM&SE, NYO&W(sh),
                                                NP, RI, SLR, Sch, SP, UP
                                                  SP
2 1/2 \times 1/4
                                   stl (07) 12:b
                rnd I
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2 1/2 × 1/4	rnd I	stl (07)	EJ&S(sh), Erie, E&LS, FJ&G(sh), IlT, LV, L&BR(sh), M&GR, MR&BT, MM&SE, NYC, NYS&W(sh), NP, OSL,
			RI, Sch, SP, UP
$2 \ 1/2 \times 1/4$	rnd I	stl (07)	14 A&A(sh), BR&P, BA&P(sh), CAM(sh), D&MM(sh), EJ&S(sh), Erie, E&LS, FJ&G(sh), IS, IIT, LV, M&GR, MM&SE, NYO&W(sh), NP, RI, Sch, SP, UP, WJ&S
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	
$2 \ 1/2 \times 1/4$	rnd I	stl (07)	
$2 \ 1/2 \times 1/4$	rnd I	stl (07)	
21/2 \ 1/4	IIIQ I	501 (07)	EJ&S(sh), Erie, E&LS, FJ&G(sh), L&HR, M&GR, MiCe, M&NJ(sh), MM&SE, NYC(sh), NYNH&H, NP, N&StL(sh), OSL, RI, StFC(sh), SFe, Sch, SP, T&P, UP
$2 \ 1/2 \ \times \ 1/4$	rnd I	stl (07)	17 Big4, CNS&M, CBE, CB, EJ&S(sh), Erie, E&LS, FJ&G(sh), L&HR, LV, M&GR, MiCe, MR&BT, MM&SE, NYC(sh), NYO&W(sh), NYS&W(sh), OSL, SFe, SP, T&P, UP
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	
		\ /	
$2 \frac{1}{2} \times \frac{1}{4}$	rnd I	stl (07)	
$2 1/2 \times 1/4$	rnd I	stl (07)	E&LS, GR&I, M&GR, MR&BT, RI, SFe, SP
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	18:b CNS&M, D&H(sh), L&HR, MiCe, MM&SE, NYNH&H, NP, T&P, UP
$2 \ 1/2 \times 1/4$	rnd I	stl (07)	18:c SP
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	19 BR&P, CB, IS, L&HR, NYO&W(sh), RI, SFe, SP, T&P, UP
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	19:b BR&P, CNS&M, LV, MM&SE, NYNH&H
$2 \frac{1}{2} \times \frac{1}{4}$	rnd I	stl (07)	
21/2 \ 1/4	IIIC I	301 (01)	LV, MC&CL, MR&BT, MoPac, MM&SE, NYO&W(sh), NYS&W(sh), NP, Prat(sh), RI, SFe, SP, T&P, UP
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	L&NE, LV, M&NJ(sh), MR&BT, MM&SE, NYO&W(sh),
0.1/01/4	1. T	.1 (07)	NYS&W(sh), RI, SN, SLR, SFe, SP, T&P, UP
$2 \ 1/2 \ \times \ 1/4$	rnd I	stl (07)	22 A&A(sh), BR&P, CBE, CAM(sh), Erie, E&LS, IIT, KCM&O, L&HR, L&NE, M&O(sh), MR&BT, MM&SE, NYS&W(sh), RI, SFe, SP, T&P, TC&GB
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	
21/2 × 1/4	THQ I	St. (01)	CBE, Erie, E&LS, IlT, KCM&O, KCS, L&HR, MR&BT, MM&SE, NYNH&H, NYS&W(sh), N&StL(sh), P&LE, RI, SFe, SP, T&P, TC&GB, UV(sh)
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	
			Frisco(sh), IIT, KCM&O, L&HR, Ma&Pa(sh), M&NJ(sh), MR&BT, MoPac, MM&SE, NYS&W(sh), PRR, P&LE, Prat(sh), RI, SFe, SP, T&P, Tr, TC&GB
$2 \ 1/2 \ \times \ 1/4$	rnd I	stl (07)	
,			
2 1/2 × 1/4	rnd I	stl (07)	A&A(sh), Bo&Al, CSS&SB(sh), CBE, CB, Erie, E&LS, GCS(sh), IIT, KCM&O, KCS, L&HR, M&NJ(sh), MM&SE, NYC(sh), NYS&W(sh), P&PU, SFe, SP, SP-T, T&P, TC&GB, UV(sh)

$2 \frac{1}{2} \times \frac{1}{4}$ $2 \frac{1}{2} \times \frac{1}{4}$	rnd I rnd I	stl (07) stl (07)	25:b CB, L&HR, SFe, SP, SP-T 25:c DT(sh), SFe
$2 \frac{1}{2} \times \frac{1}{4}$	rnd I	stl (07)	
$21/2 \times 1/4$	rnd I	stl (07)	
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	
$2 \ 1/2 \ \times \ 1/4$	rnd I	stl (07)	
2 1/2 × 1/4	rnd I	stl (07)	27 A&A(sh), B&C(sh), B&H(sh), Bo&Al, B&M(sh), BR&P, CW, CSS&SB(sh), D&MM(sh), D&H, DT&I(sh), Erie, E&LS, GN, G&J(sh), IIT, KCS, L&HR, M&NJ(sh), MN&S, NYO&W(sh), NYS&W(sh), N&StL(sh), P&PU, Prat(sh), T&P, TC&GB
2 1/2 × 1/4	rnd I	stl (07)	A&A(sh), B&C(sh), B&H(sh), Big4(sh), Bo&Al, CW, CSS&SB(sh), D&H, Erie, E&LS, G&J(sh), IIT, KCS, L&HR, M&NJ(sh), MN&S, MR&BT, NatMex, NYO&W(sh), NYS&W(sh), P&PU, Prat(sh), SFe(sh), T&P, TPTNO, TPTNO, TP&W, TC&GB
$2 \ 1/2 \ \times \ 1/4$	rnd I	stl (07)	28:b B&H(sh), Erie, KCM&O
2 1/2 × 1/4	rnd I	stl (07)	29 A&A(sh), B&C(sh), B&H(sh), Big4(sh), Bo&Al, BR&P, CSS&SB(sh), D&H, Erie, E&LS, G&J(sh), IIT, KCS, L&WV(sh), L&HR, M&NJ(sh), MN&S, NYO&W(sh), NYS&W(sh), PRR, P&PU, Prat(sh), Rut(sh), StJ&LC(sh), T&P, TP&W, TC&GB
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	
$21/2 \times 1/4$	rnd I	stl (07)	
2 1/2 × 1/4	rnd I	stl (07)	31 AC&Y(sh), A&A(sh), B&H(sh), CSS&SB(sh), D&SL, DM&CI, DT&I(sh), Erie, E&LS, G&J(sh), IlT, Int(sh), Key, L&WV(sh), L&HR, M&NJ(sh), M&StL(sh), NYO&W(sh), NYS&W(sh), P&WV, PS&N, Prat(sh), Soo, T&P, UV(sh)
$2 1/2 \times 1/4$	rnd I	stl (07)	31:b BR&P, D&H, Prat(sh)
2 1/2 × 1/4	rnd I	stl (07)	32 B&H(sh), BR&P, CSS&SB(sh), D&MM(sh), D&H, DT&I(sh), Erie, FJ&G(sh), Int(sh), L&WV(sh), L&HR, M&NJ(sh), M&StL(sh), NYO&W(sh), NYS&W(sh), PS&N, RV(sh)
2 1/2 × 1/4	rnd I	stl (07)	33 AC&Y(sh), A&A(sh), B&H(sh), CSS&SB(sh), D&H, Erie, Erie(bt), FJ&G(sh), IIT, Int(sh), L&HR, M&NJ(sh), M&StL(sh), NYO&W(sh), NYS&W(sh), NP(p), PS&N, SSL(sh), UV(sh), WR&E
2 1/2 × 1/4	rnd I	stl (07)	34 AC&Y(sh), B&H(sh), CW, D&MM(sh), DT&I(sh), Erie, E&LS, FJ&G(sh), G&J(sh), Int(sh), L&HR, M&NJ(sh), M&StL(sh), NYO&W(sh), NYS&W(sh), PS&N, UC, Ver(sh)
$2 1/2 \times 1/4$	rnd I	stl (07)	
$2 \frac{1}{2} \times \frac{1}{4}$	rnd I	stl (07)	35 B&H(sh), D&MM(sh), DT&I(sh), Erie, E&LS, FJ&G(sh), L&HR, M&NJ(sh), NYO&W(sh), NYS&W(sh), SSL(sh), To&Go, UC, WA&G(sh)
$2\ 1/2\ \times\ 1/4$	rnd I	stl (07)	E&LS, L&HR, NYS&W(sh), RV(sh), T&P, To&Go, UC

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stl (07) 37
                                                   A&A(sh), B&H(sh), D&MM(sh), DT&I(sh), Erie,
21/2 \times 1/4
                rnd I
                                                E&LS, FJ&G(sh), L&HR, M&NJ(sh), NYO&W(sh),
                                                NYS&W(sh), RV(sh), To&Go, UC, Ver(sh)
                                                   B&H(sh), CW, DT&I(sh), Erie, E&LS, L&HR,
21/2 \times 1/4
                rnd I
                                   stl (07) 38
                                                NYS&W(sh), RV(sh), Ver(sh)
                                                   A&A(sh), B&H(sh), D&H(p), DT&I(sh), Erie, E&LS,
21/2 \times 1/4
                rnd I
                                   stl (07) 39
                                                L&HR, NYS&W(sh), RV(sh), SSL(sh), YW
                                                   B\&H(sh), DT\&I(sh), Erie, E\&LS, G\&J(sh), L\&WV(sh),
21/2 \times 1/4
                rnd I
                                   stl (07) 40
                                                RV(sh), SSL(sh), YW
                                   stl (07) 40:b
                                                   WR&E
21/2 \times 1/4
                rnd I
                                   stl (07) 41
                                                   B&H(sh), D&H(p), DT&I(sh), Erie, GN, NaP,
21/2 \times 1/4
                rnd I
                                                NYO&W(sh), SSL(sh), UC, YW
                                   stl (07) 42
                                                   AC\&Y(sh), A\&A(sh), DT\&I(sh), Erie, G\&J(sh)
21/2 \times 1/4
                rnd I
                                                   AC\&Y(sh), B\&H(sh), CW, DT\&I(sh), Erie, FJ\&G(sh),
21/2 \times 1/4
                rnd I
                                   stl (07) 43
                                                G&J(sh), NYO&W(sh), RV(sh), SSL(sh), Ver(sh)
                                                   AC\&Y(sh), A\&A(sh), B\&H(sh), CW, D\&H(p),
21/2 \times 1/4
                rnd I
                                   stl (07) 44
                                                DT&I(sh), Erie, G&J(sh), L&BR(sh), M&StL(sh), RV(sh)
                                                   AC&Y(sh), B&H(sh), D&H(p), DT&I(sh), Erie,
                                   stl (07) 45
21/2 \times 1/4
                rnd I
                                                G&J(sh), SSL(sh), WA&G(sh)
                                                   AC\&Y(sh), B\&H(sh), D\&MM(sh), D\&H(p), DT\&I(sh),
                                   stl (07) 46
21/2 \times 1/4
                rnd I
                                                Erie, NYO&W(sh), SSL(sh)
                                                   AC\&Y(sh), A\&A(sh), B\&H(sh), D\&H(p), DT\&I(sh),
21/2 \times 1/4
                rnd I
                                   stl (07) 47
                                                Erie, L&HR, SSL(sh)
                                   stl (07) 48
                                                   AC\&Y(sh), A\&A(sh), B\&H(sh), D\&H(p), DT\&I(sh),
21/2 \times 1/4
                rnd I
                                                Erie, L&HR, NYNH&H(sh), SSL(sh)
                                                   AC&Y(sh), L&HR, PRR
                                   stl (07) 49
21/2 \times 1/4
                rnd I
                                                   A&A(sh), D&H(p), DT&I(sh), Erie, PRR, SSL(sh)
                                   stl (07) 49:b
21/2 \times 1/4
                rnd I
                                                   DT&I(sh), Erie
21/2 \times 1/4
                rnd I
                                   stl (07) 49:c
                                                   AC\&Y(sh), A\&A(sh), B\&H(sh), C\&NW(sh),
21/2 \times 1/4
                rnd I
                                   stl (07) 50
                                                D&H(p), Erie, G&J(sh), L&HR, Ma&Pa(sh), M&NJ(sh),
                                                NYO&W(sh), PRR, RV(sh), SSL(sh), Ste(sh)
                                                   AC\&Y(sh), A\&A(sh), B\&H(sh), D\&H(p), DT\&I(sh),
21/2 \times 1/4
                                   stl (07) 51
                rnd I
                                                Erie, NYNH&H(sh)
                                   stl (07) 51:b
                                                  L&HR
21/2 \times 1/4
                rnd I
                                                   Erie, G&J(sh), L&HR, NYC(sh), NYNH&H(sh),
2 \ 1/2 \times 1/4
                rnd I
                                   stl (07) 52
                                                NYO&W(sh), SSL(sh)
                                                   AC&Y(sh), B&O, B&H(sh), BC(sh), D&H(p), Erie,
                                   stl (07) 53
21/2 \times 1/4
                rnd I
                                                L&HR, SSL(sh)
21/2 \times 1/4
                rnd I
                                   stl (07) 53:b
                                                   Erie
                                                   AC&Y(sh), B&O, DT&I(sh), Erie, FJ&G(sh), L&HR,
                                   stl (07) 54
21/2 \times 1/4
                rnd I
                                                NYO&W(sh), StJ&LC(sh)
2 \ 1/2 \times 1/4
                rnd I
                                   stl (07) 55
                                                   L&HR
                                      (07) 56
                                                   L&HR, PRR
2 \ 1/2 \times 1/4
                rnd I
                                   \operatorname{stl}
21/2 \times 1/4
                                   \operatorname{stl}
                                       (07) 57
                                                   PRR
                rnd I
                                                   Ma&Pa(sh), PRR
                                       (07) 58
21/2 \times 1/4
                rnd I
                                   stl
                rnd I
                                       (07)
                                            59
                                                   PRR
2 \ 1/2 \times 1/4
                                   \operatorname{stl}
                                   stl (07)
                                            60
                                                   Ma&Pa(sh), PRR
21/2 \times 1/4
                rnd I
                                   stl (07)
21/2 \times 1/4
                rnd I
                                            61
                                                   PRR, StJ&LC(sh)
21/2 \times 1/4
                                       (07)
                                            62
                                                   A&A(sh), C&O, PRR
                rnd I
                                   \operatorname{stl}
                                       (07)
                                            63
                                                   PRR
21/2 \times 1/4
                rnd I
                                   \operatorname{stl}
                                                   Ma&Pa(sh), NYNH&H(sh), PRR
                                       (07) 64
                                   \operatorname{stl}
21/2 \times 1/4
                rnd I
                                                    Ma&Pa(sh), PRR
                                       (07) 65
2 \ 1/2 \times 1/4
                rnd I
                                   \operatorname{stl}
                                                   PRR
                                       (07) 65:b
21/2 \times 1/4
                rnd I
                                   stl
2 \, 1/2 \, \times \, 1/4
                rnd I GM
                                   stl (07) 4
                                                   SFe
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2 \ 1/2 \times 1/4
                   rnd I GM
                                           stl (07) 5
                                                              SFe
                                           \operatorname{stl}
                                               (07) 09
                                                              B&O, MM&SE
2 \ 1/2 \times 1/4
                   rnd I
                            GM
                                                              B&O, SFe
2 \ 1/2 \times 1/4
                            GM
                                           \operatorname{stl}
                                               (07) 9
                   rnd I
                                           stl (07) 10
                                                              B&O, SFe
2 \ 1/2 \times 1/4
                   rnd I
                            GM
                                           stl (07) 10:b
                                                              B&O, MM&SE
2 \, 1/2 \, \times \, 1/4
                    rnd I
                            GM
                                           stl (07) 10:c
                                                              B&O, MM&SE
2 1/2 \times 1/4
                   rnd I
                            GM
2 \ 1/2 \times 1/4
                                               (07) 10
                                                               SFe
                    rnd I
                            GM
                                           \operatorname{stl}
2 \ 1/2 \times 1/4
                   rnd I
                            GM
                                               (07) 11
                                                               SFe
                                           \operatorname{stl}
                                               (07) 11:b
                                                              SFe
2 \ 1/2 \times 1/4
                    rnd I
                            GM
                                           stl
2 \ 1/2 \times 1/4
                    rnd I
                            GM
                                           \operatorname{stl}
                                               (07) 12
                                                               SFe, SP
2 \ 1/2 \times 1/4
                                               (07) 13
                                                               SFe
                            GM
                                           \operatorname{stl}
                    \operatorname{rnd} I
                                                               SFe
2 1/2 \times 1/4
                    rnd I
                            GM
                                           \operatorname{stl}
                                               (07) 14
                                           stl (07) 15
                                                               L&N, SFe
2 \, 1/2 \, \times \, 1/4
                    \operatorname{rnd} I
                            GM
                                           stl (07) 4
2 1/2 \times 1/4
                    rnd I
                            bullseye
                                                               SFe
2 \ 1/2 \times 1/4
                                           stl (07) 50
                                                               WP-E
                    rnd I hs
                                                               WP-E
2 \ 1/2 \times 1/4
                    rnd I hs
                                           \operatorname{stl}
                                               (07)
                                                      51
        \times 1/4
                                           \operatorname{stl}
                                               (07)
                                                      07
                                                               SP
2
                    rnd I
                                                               SP
2
                                               (07) 08
        \times 1/4
                    rnd I
                                           stl
2
                                               (07) 09
                                                               SP
        \times 1/4
                                           \operatorname{stl}
                    rnd I
                                                               SP
2
        \times 1/4
                                               (07)
                                                     10
                    rnd I
                                           \operatorname{stl}
                                                               SP
2
                                           stl (07) 11
        \times 1/4
                    rnd I
2
                                           stl (07) 21
                                                               OSL, UP
        \times 1/4
                    rnd I
2
        \times 1/4
                    rnd I
                                           stl (07) 24
                                                               A&A(sh), B&C(sh), B&H(sh), B&M(sh), CW,
                                                           C\&P(sh), D\&MM(sh), Int(sh), L\&BR(sh), M\&NJ(sh),
                                                           NYNH&H, NYS&W(sh), N&StL(sh), StJ&LC(sh), UV(sh)
                                                               NatMex
2
                                           stl (07) 28
        \times 1/4
                    rnd I
                                                               D&MM(sl), FJ&G(sl), L&BR(sl), StJ&LC(sl), War(sl)
2
        \times 1/4
                                           stl (07) 34
                    rnd I
                                           stl (07) 44
                                                               PRR
2
        \times 1/4
                    rnd I
                                                               PST
2
        \times 1/4
                    rnd I
                                           stl
                                               (07)
                                                      64
                                                               KCS
1 \ 1/2 \times 1/4
                                           stl (07) 10
                    rnd I
                                                               KCS
1 \, 1/2 \, \times \, 1/4
                                           stl (07) 11
                    rnd I
                                           stl (07) 12
                                                               KCS
1 \ 1/2 \times 1/4
                    rnd I
                                               (07)
                                                               KCS
1 \ 1/2 \ \times \ 1/4
                    rnd I
                                           \operatorname{stl}
                                                      13
                                               (07) 14
                                                               KCS
1 \ 1/2 \times 1/4
                    rnd I
                                           \operatorname{stl}
1 \ 1/2 \ \times \ 1/4
                    rnd I
                                           stl
                                               (07) 15
                                                               KCS
1 \ 1/2 \times 1/4
                                           stl
                                               (07) 15:b
                                                              KCS
                    rnd I
                                               (07) 16
                                                               KCS
1 \, 1/2 \, \times \, 1/4
                    rnd I
                                           stl
                                           stl (07)
                                                               KCS
                                                     17
1 \, 1/2 \, \times \, 1/4
                    rnd I
                                           stl (07) 18
                                                               KCS
1 \, 1/2 \, \times \, 1/4
                    rnd I
                                           stl (07)
                                                               KCS
                                                     19
1 \ 1/2 \times 1/4
                    rnd I
                                           stl (07)
                                                               KCS
1 \ 1/2 \times 1/4
                    rnd I
                                                      20
1 \ 1/2 \times 1/4
                    rnd I
                                           stl (07)
                                                      21
                                                               KCS
                                               (07)
                                                      22
                                                               KCS
1 \, 1/2 \, \times \, 1/4
                    rnd I
                                           \operatorname{stl}
                                                               KCS
11/2 \times 1/4
                                           stl (07)
                                                      23
                    rnd I
                                                               KCS
                                               (07)
                                                      24
11/2 \times 1/4
                    rnd I
                                           \operatorname{stl}
                                               (07)
                                                      27
                                                               A&BR, D&TSL, UV(sh)
1 \, 1/2 \, \times \, 1/4
                    rnd I
                                           stl
                                           stl (07)
                                                      29
                                                               D&TSL
1 \, 1/2 \, \times \, 1/4
                    rnd I
                                           stl (07)
1 \ 1/2 \ \times \ 1/4
                    rnd I
                                                      30
                                                               D&TSL
11/2 \times 1/4
                                           stl (07)
                                                      31
                                                               D&TSL, DT(sh)
                    rnd I
                                           stl (07)
                                                      36
                                                               DT(sh)
1 \, 1/2 \, \times \, 1/4
                    rnd I
                                           stl (07)
                                                               D&TSL
                                                      36:b
1 \ 1/2 \times 1/4
                    rnd I
                                           stl (07) 39
                                                               D&TSL
1 \, 1/2 \, \times \, 1/4
                    rnd I
                                           stl (07) 40
                                                               D&TSL, DT(sh)
1 \ 1/2 \times 1/4
                    rnd I
```

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1 \, 1/2 \, \times \, 1/4
                   rnd I
                                          stl (07) 41
                                                              D&TSL, DT(sh)
1 \ 1/2 \ \times \ 1/4
                   rnd I
                                          stl (07) 42
                                                              D&TSL, DT(sh)
1 \ 1/2 \times 1/4-
                   rnd I
                                          stl (07) 4
                                                              RI
11/2 \times 1/4
                                          stl (07) 5
                   rnd I
                                                              RI
1 \, 1/2 \, \times \, 1/4
                                          stl (07) 6
                   rnd I
                                                              RI
1 \, 1/2 \, \times \, 1/4
                                          stl (07) 7
                   rnd I
                                                              RI
2 \frac{1}{2} \times \frac{9}{40} \text{ rnd I}
                                              (07) 10
                                          \operatorname{stl}
                                                              SFe
21/2 \times 9/40 \text{ rnd I}
                                          stl (07) 12
                                                              SFe
                            GM
2 1/2 \times 1/8 + \text{ rnd } I
                                          stl (07) 24
                                                              SP
2 1/2 \times 1/4 + dia I
                                          stl (07) 8
                                                              CB&Q
2 \ 1/2 \times 1/4
                   dia I
                                          stl (07) 06
                                                              EP&SW
21/2 \times 1/4
                   dia I
                                          stl (07) 06:b
                                                             EP&SW
2 1/2 \times 1/4
                                          stl (07) 07
                                                              EP&SW
                   dia I
21/2 \times 1/4
                   dia I
                                          stl (07) 08
                                                              EP&SW
21/2 \times 1/4
                   dia I
                                          stl (07)
                                                     08:b
                                                             RI
2 \, 1/2 \, \times \, 1/4
                   dia I
                                          \operatorname{stl}
                                              (07)
                                                     08:c
                                                              RI
21/2 \times 1/4
                   dia I
                                          stl (07) 09
                                                              RI
21/2 \times 1/4
                                                              EP&SW
                   dia I
                                          \operatorname{stl}
                                              (07)
                                                    09:c
21/2 \times 1/4
                   dia I
                                              (07) 9:b
                                                              To&Go
                                          \operatorname{stl}
21/2 \times 1/4
                                              (07) 9:c
                                                              To&Go
                   dia I
                                          \operatorname{stl}
2 \ 1/2 \times 1/4
                   dia I
                                          stl (07) 10
                                                              C&EI
21/2 \times 1/4
                   dia I
                                          stl (07) 10:b
                                                             EP&SW, RI, To&Go, UV(sh)
21/2 \times 1/4
                   dia I
                                          stl (07) 10:c
                                                             LV, RI
11/2 \times 1/4
                                              (07) 08
                   dia I
                                                              C&EI
                                          \operatorname{stl}
1 \ 1/2 \times 1/4
                                          stl (07) 9
                                                              C&EI
                   dia I
1 \, 1/2 \, \times \, 1/4
                   dia I
                                          \operatorname{stl}
                                              (07) 9:b
                                                              C&EI
1 \ 1/2 \times 1/4
                                                              C&EI
                   dia I
                                          \operatorname{stl}
                                              (07) 10
11/2 \times 1/4
                   dia I
                                          \operatorname{stl}
                                              (07) 10:b
                                                             C&EI
2 \ 1/2 \times 1/4-
                   dia I
                                          stl (07) 5
                                                             Big4, StLRM&P(sh)
21/2 \times 1/4-
                                          stl (07) 5:b
                   dia I
                                                              Big4
21/2 \times 1/4
                                          stl (07) 06:b
                   dia I
                                                             Big4
2 1/2 \times 1/4
                                          stl (07)
                                                              Big4, SFe
                   dia I
                                                    6
2 1/2 \times 1/4
                   dia I
                                          stl (07) 6:b
                                                              SFe
2 \ 1/2 \times 1/4-
                   dia I
                                          \operatorname{stl}
                                              (07) 07
                                                              Big4
2 1/2 \times 1/4
                   dia I
                                          \operatorname{stl}
                                              (07) 7
                                                              Big4, SFe
21/2 \times 1/4
                   dia I
                                              (07) 08
                                                              Big4
                                          \operatorname{stl}
2 1/2 \times 1/4
                   dia I
                                          stl (07)
                                                     8
                                                              Big4
21/2 \times 1/4
                                          stl (07) 8:b
                                                              SFe
                   dia I
2 1/2 \times 1/4-
                   dia I
                                          stl (07)
                                                    09:b
                                                             Big4
21/2 \times 1/4
                                          stl (07) 09:c
                                                             Big4
                   dia I
21/2 \times 1/4-
                   dia I
                                          stl (07)
                                                     9
                                                              SFe
2 1/2 \times 1/4
                   dia I
                                          \operatorname{stl}
                                              (07) 9:b
                                                              SFe
21/2 \times 1/4
                   dia I
                                                              Big4
                                          \operatorname{stl}
                                              (07) 10
2 1/2 \times 1/4-
                                                             SFe
                   dia I
                                              (07) 10:b
                                          \operatorname{stl}
21/2 \times 1/4
                                                              SFe
                   dia I
                                              (07) 4
                            hb
                                          \operatorname{stl}
                   dia I hb
21/2 \times 1/4
                                                              SFe
                                          stl (07) 5
2 1/2 \times 1/4
                                                             SFe
                   dia I
                           hb
                                          stl (07) 6
                   dia I
                                          stl (07) 7
2 \ 1/2 \times 1/4
                            hb
                                                             SFe
2 1/2 \times 1/4
                   dia I
                                          stl (07) 8
                                                              SFe
                            hb
2 \ 1/2 \times 1/4
                   dia I hb
                                         stl (07) 9
                                                              SFe
21/2 \times 1/4
                   dia I hb
                                                              SFe
                                          \operatorname{stl}
                                              (07) 9:b
2 \ 1/2 \times 1/4
                                                             SFe
                   dia I hb
                                         \operatorname{stl}
                                              (07) 10:b
21/2 \times 1/4
                                                              SFe
                   dia I hb
                                          stl (07) 10
21/2 \times 1/4- dia I hb
                                         stl (07) 12
                                                              SFe
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2 1/2 \times 1/4
                 sgr I
                                    stl (07) 10
                                                    LV, RI, SFe, To&Go
2 \ 1/2 \times 1/4
                 sqr I
                                    stl (07) 11
                                                    Big4, Bo&Al, BC(sh), L&HR, LV, NYC, RI, SLR,
                                                 To&Go, UP
21/2 \times 1/4
                                                    Big4, M&O(sh), NYC, NYC(p), RI, To&Go, UP
                 sqr I
                                    stl (07) 12
2 \ 1/2 \times 1/4
                 sqr I
                                    stl (07) 13
                                                    Big4, Erie, GR(sh), M&O(sh), NYC, RI, To&Go,
                                                 UV(sh)
21/2 \times 1/4
                                    stl (07) 14
                                                    SLR, To&Go, UP
                 sgr I
21/2 \times 1/4
                                    stl (07) 15
                                                    OSL, SFe, UP
                 sgr I
2 \ 1/2 \times 1/4
                sqr I
                                    stl
                                       (07) 16
                                                    Big4, OSL, SFe, UP
2 \ 1/2 \times 1/4
                                    stl (07) 17
                                                    SFe, UP
                 sqr I
2 \ 1/2 \times 1/4
                 sqr I
                                    stl (07) 17:b
                                                    SFe
2 \ 1/2 \times 1/4
                                    stl (07) 18
                                                    A&A(sh), Big4, FJ&G(sh), JW&NW(sh), N&StL(sh),
                 sqr I
                                                 PSC, SFe
2 \ 1/2 \times 1/4
                                    stl (07) 19
                                                    A&A(sh), Big4, GR(sh), NYC, SFe, UV(sh), UP
                sqr I
21/2 \times 1/4
                                    stl (07) 19:b
                                                    NYC, OSL, UP
                 sqr I
2 1/2 \times 1/4
                sqr I
                                    stl (07) 20
                                                    A&A(sh), Big4, NYC, SFe, UV(sh), UP
2 \, 1/2 \, \times \, 1/4
                                    stl (07) 20:b
                                                    NYC
                sqr I
                                                    Big4, MiCe(sh), SFe
2 \ 1/2 \times 1/4
                sqr I
                                    stl (07) 21
2 \ 1/2 \times 1/4
                                    stl (07) 22
                                                    A&A(sh), Big4, DT(sh), FJ&G(sh), GR(sh), M&O(sh),
                sqr I
                                                 NYC, N&StL(sh), SFe, UV(sh)
21/2 \times 1/4
                                    stl (07) 23
                                                    A&A(sh), C&EI, DT(sh), FJ&G(sh), GR(sh), IHB(sh),
                 sqr I
                                                 M&O(sh), MiCe(sh), NYC, N&StL(sh), SFe
21/2 \times 1/4
                                    stl (07) 24
                                                    Big4, C&EI, MiCe(sh), NiPl, SFe
                sqr I
21/2 \times 1/4
                                    stl (07) 25
                                                    Big4, C&EI, Erie, MiCe(sh), NiPl, SFe
                sqr I
21/2 \times 1/4
                                    stl (07) 26
                                                    Big4, C&EI, FJ&G, NYC
                sqr I
2 \ 1/2 \times 1/4
                                    stl (07) 26:b
                                                    A&A(sh), Big4, JW&NW(sh), NYO&W(p), NiPl,
                sqr I
                                                 N&StL(sh), UV(sh)
21/2 \times 1/4
                                    stl (07) 27
                                                    A&A(sh), Big4, C&EI, FJ&G, GCS(sh), IHB(sh),
                sqr I
                                                 MiCe(sh), M&NJ(sh), NYC, NYNH&H(sh), UV(sh)
21/2 \times 1/4
                                                    A&A(sh), Big4, C&EI, CSS&SB(sh), FJ&G, IHB(sh),
                 sqr I
                                    stl (07) 28
                                                 MiCe(sh), MBI(sh), NYC
2 \, 1/2 \, \times \, 1/4
                                    stl (07) 28:b
                                                    Big4
                 sqr I
21/2 \times 1/4
                                    stl (07) 29
                                                    A&A(sh), C&EI, FJ&G, IHB(sh), MiCe(sh), NYC,
                 sqr I
                                                 NYC(p), NYNH\&H(sh), P\&WV, UV(sh)
                                    stl (07) 30
                                                    A&A(sh), D&MM(sh), FJ&G, GR(sh), IHB(sh),
21/2 \times 1/4
                 sqr I
                                                 MiCe(sh), NYC, RV, UV(sh), WA&G(sh)
2 \ 1/2 \times 1/4
                                    stl (07) 31
                                                    Big4, C&EI, FJ&G, MiCe(sh), NYO&W(p)
                 sqr I
2 \ 1/2 \times 1/4
                 sqr I
                                    stl (07)
                                             32
                                                    DT(sh), FJ&G
21/2 \times 1/4
                                    stl (07)
                                             33
                                                    FJ&G
                 sqr I
21/2 \times 1/4
                                    stl (07)
                                             34
                                                    C&EI, FJ&G
                 sqr I
                                    stl (07)
                                                    FJ&G, NP(p), WP-E
2 \ 1/2 \times 1/4
                                             35
                 sqr I
2 \ 1/2 \times 1/4
                                       (07)
                                                    FJ&G, NP(p)
                                             36
                 sqr I
                                    stl
2 1/2 \times 1/4
                                    \operatorname{stl}
                                       (07)
                                             37
                                                    C\&EI, FJ\&G, GN(p), NP(p)
                 sqr I
2 \ 1/2 \times 1/4
                 sqr I
                                    \operatorname{stl}
                                       (07) 38
                                                    C&EI, FJ&G, NP(p)
2 \ 1/2 \times 1/4
                                    \operatorname{stl}
                                       (07) 39
                                                    C&EI, FJ&G, NP(p)
                sqr I
21/2 \times 1/4
                                       (07) 40
                                                    C&EI, NP(p)
                 sqr I
                                    stl
2 \ 1/2 \times 1/4
                                    stl (07) 40:b
                                                    FJ&G
                sqr I
2 \ 1/2 \ \times \ 1/4
                                    stl (07) 41
                                                    C&EI, FJ&G, NP(p)
                 sqr I
21/2 \times 1/4
                                    stl (07) 42
                                                    C&EI, NP(p)
                sqr I
21/2 \times 1/4
                                    stl (07) 43
                                                    C\&EI, GN(p)
                sqr I
21/2 \times 1/4
                sqr I
                       hb
                                    stl (07) 11
                                                    SFe
2 \ 1/2 \times 1/4
                                    stl (07) 12
                                                    SFe
                        hb
                sqr I
21/2 \times 1/4
                                    stl (07) 13
                                                    SFe
                sqr I
                       hb
21/2 \times 1/4
                                    stl (07) 14
                                                    SFe
                sqr I hb
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sqr I hb
2 1/2 \times 1/4
                                 stl (07) 15
                                                 SFe
2 1/2 \times 1/4
                sqr I
                                 stl (07) 10
                                                 Big4
2 1/2 \times 1/4
                sqr I
                                 stl (07) 10:b
                                                 Big4
2 1/4 \times 9/32 \text{ rnd R}
                                 stl (07)
                                          34
                                                 Int, Int(bt)
      \times 11/40 rnd R
                                 stl (07)
                                          20
                                                 UP
2
      \times 11/40 rnd R
                                 stl (07)
                                          21
                                                 UP
21/2 \times 1/4
                                 stl (07)
                rnd R
                                          05
                                                 RI
2 \ 1/2 \times 1/4
                rnd R
                                 stl (07)
                                          07
                                                 RI
2 \, 1/2 \, \times \, 1/4
                rnd R
                                 stl (07)
                                          08
                                                 RI
2 \ 1/2 \times 1/4
               rnd R
                                 stl (07)
                                          09
                                                 RI
21/2 \times 1/4
                rnd R
                                 stl (07) 10
                                                 RI
2 \ 1/2 \times 1/4
               rnd R
                                 stl (07) 11
                                                 RI
21/2 \times 1/4
               rnd R
                                 stl (07)
                                          12
                                                 CB&Q, IC, RI, UV(sh)
21/2 \times 1/4
               rnd R
                                 stl (07) 13
                                                 CB&Q, GR&I, L&N, RI, UV(sh)
21/2 \times 1/4
                rnd R
                                 stl (07) 14
                                                 CB&Q, L&N, MER&L, NYNH&H, RI, UV(sh)
21/2 \times 1/4
               rnd R
                                 stl (07) 15
                                                 GR&I, L&N, MM&SE, NN, RI, SP, TH&B, UV(sh),
                                              WJ\&S
21/2 \times 1/4
               rnd R
                                 stl (07) 16
                                                 GR&I, L&WV, L&N, MER&L, MM&SE, RI, TH&B,
                                              UP, Wab
21/2 \times 1/4
               rnd R
                                 stl (07) 16:b
                                                L\&N
21/2 \times 1/4
               rnd R
                                 stl (07) 17
                                                 C&O, GR&I, L&N, NYC, RI, To&Go, UP, Wab, WJ&S
21/2 \times 1/4
               rnd R
                                 stl (07) 18
                                                 BR&P, GR&I, L&N, RI, Wab
2 \ 1/2 \times 1/4
                                 stl (07) 19
               rnd R
                                                 A&A(sh), D&H(sh), L&N, MER&L, NYC(sh),
                                             NYO&W(sh), RI, Wab
21/2 \times 1/4
               rnd R
                                                 CNS&M, GR&I, L&N, MR&BT, MM&SE, NP, OSL,
                                 stl (07) 20
                                             RI, Wab
21/2 \times 1/4
               rnd R
                                 stl (07) 21
                                                 L&N, MC&CL, MER&L, NP, RI, StFC(sh), Wab,
21/2 \times 1/4
               rnd R
                                 stl (07) 22
                                                 A&A(sh), IC, JW&NW(sh), L&N, MC&CL, RI,
                                             UV(sh), WJ&S
2 \, 1/2 \, \times \, 1/4
                                                 A&A(sh), C&NW, CoRa, EStL&S(sh), L&NE, L&N,
               rnd R
                                 stl (07) 23
                                             LH&StL, MC&CL, M&NJ(sh), MKT, RI, StFC(sh), Soo,
                                             UV(sh)
2 \ 1/2 \ \times \ 1/4
                                 stl (07) 23:b
                                                L&N
               rnd R
21/2 \times 1/4
               rnd R
                                 stl (07) 24
                                                A&A(sh), CoRa, CB, DM&CI(sh), DM&IR, FJ&G(sh),
                                             GN, IC, L&NE, L&N, M&LS(sh), MC&CL, MiCe,
                                             M&NJ(sh), MV(sh), N&StL(sh), RI, StFC(sh), SP,
                                             Tr&Gu(sh), UV(sh), Wab
2 1/2 \times 1/4
               rnd R
                                 stl (07) 25
                                                AC&Y(sh), A&A(sh), B&C, B&M, CW, ChRi,
                                             C&P(sh), CoRa, CB, EStL&S(sh), GN, G&J(sh), IC,
                                             JW&NW(sh), L&NE, L&N, M&LS(sh), MC&CL, MiCe,
                                             MoPac, MV(sh), NYC, NYNH&H, N&StL(sh), RI,
                                             StFC(sh), StJ&LC, StJ&LC(sh), StPB&T(sh), SP,
                                             TH&B(sh), Tr&Gu(sh), UV(sh), Wab
2 \, 1/2 \, \times \, 1/4
               rnd R
                                 stl (07) 25:b
                                                A&A(sh), B&H(sh), JW&NW(sh), NYNH&H
2 \ 1/2 \times 1/4
               rnd R
                                 stl (07) 26
                                                AC&Y(sh), AA, B&C(sh), B&M, C&O, ChRi, C&IM,
                                             C\&P(sh), CoRa, D\&H, D\&N(sh), FJ\&G(sh), G\&J(sh),
                                             IIT, L&NE, L&N, L&BR(sh), MC&CL, MoPac, MV(sh),
                                             N&StL(sh), StFC(sh), StJ&LC(sh), Soo, SB, Tr, UV(sh),
                                             Ver(sh), WJ&S
2 1/2 \times 1/4
               rnd R
                                 stl (07) 26:b
                                                A&A(sh), B&H(sh), JW&NW(sh), L&N, MoPac,
                                             NYNH&H, N&StL(sh), UV(sh)
2 \ 1/2 \times 1/4
               rnd R
                                 stl (07) 26:c GN, IC, NYNH&H
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$2 \frac{1}{2} \times \frac{1}{4}$ $2 \frac{1}{2} \times \frac{1}{4}$	rnd R rnd R	stl (0' stl (0'	7) 26:d A&A(sh), CW, M&NJ(sh), NYO&W(sh) 7) 26:e RI
$2 \ 1/2 \times 1/4$ $2 \ 1/2 \times 1/4$	rnd R rnd R	stl (0' stl (0'	•
			EStL&S(sh), Frisco(sh), GN, KCM&O, L&WV, L&N, MER&L(p), PH&D, RI, SN(bt), StFC(sh), StJ&LC(sh), SFe, Sie(sh), Soo, SP&S, TT
$2\ 1/2\ \times\ 1/4$	rnd R	stl (0'	 27:b A&BB(sh), AC&Y(sh), A&A(sh), B&C(sh), B&M, CV, CW, FJ&G(sh), GCS(sh), JW&NW(sh), L&NE, MV(sh),
2 1/2 × 1/4	rnd R	stl (0'	NYNH&H, N&StL(sh), SFe, UV(sh) 28 A&BB(sh), AC&Y(sh), A&A(sh), B&C(sh), BS, B&M, CV, C&O, CW, ChRi, C&IM, CB&Q, C&P(sh), DM&IR, EStL&S(sh), FJ&G(sh), Frisco(sh), GN, IIT, JW&NW(sh), KCM&O, LS&BC(sh), L&HR(sh), L&NE, L&N, LH&StL, M&LS(sh), MC&CL, M&NJ(sh), MER&L(p), MoPac, MV(sh), NatMex, NYNH&H, NYO&W(sh), N&StL(sh), PH&D, RV(sh), RI, StFC(sh), StJ&LC(sh), SFe, SAL, Sie, Soo, SB, SP&S, TT, UV(sh), WP-E
$2\ 1/2\ \times\ 1/4$	rnd R	stl (07	2) 28:b A&A(sh), B&M, FJ&G(sh), GCS(sh), L&WV,
2 1/2 × 1/4	rnd R	stl (07	L&WV(sh), NYNH&H, SFe, SSL(sh), Wab 29 AC&Y(sh), A&A(sh), B&C(sh), B&LE, BS, B&M, CV, C&O, CW, ChRi, C&IM, CB&Q, CSS&SB(sh), C&P(sh), C&S, D&H, DM&IR, EJ&E, GN, IC, IIT, Int(sh), KCM&O, KCS, L&WV, LS&BC(sh), L&NE, L&BR(sh), MC&CL, MER&L(p), NYNH&H, NYO&W(sh),
			N&StL(sh), PH&D, RI, StFC(sh), StJ&LC(sh), SFe, SAL, Sie, SB, TT, UV(sh), Wab
$2\ 1/2\ \times\ 1/4$	rnd R	stl (07) 29:b AA, A&A(sh), B&M, D&N(sh), Frisco(sh), L&N, NYNH&H, Prat(sh), SFe, Wab
2 1/2 × 1/4	rnd R	stl (07	
$2\ 1/2\ imes\ 1/4$	rnd R	stl (07	
2 1/2 × 1/4	rnd R	stl (07) 31 AC&Y(sh), AA, A&A(sh), ACL, B&C, B&C(sh), B&H(sh), B&LE, B&G, B&M, CV, C&O, CW, ChRi, C&IM, CB&Q, C&P(sh), CoRa, D&MM(sh), D&SL, DM&IR, EStL&S(sh), FJ&G(sh), F&C(sh), GN, GW(sh), IC, JW&NW(sh), LS&I, LS&BC(sh), L&NE, L&BR(sh), MeC, M&LS, MiCe, M&NJ(sh), MV(sh), NYNH&H, NYO&W(sh), NYS&W(sh), N&StL(sh), Prat(sh), Rut, StFC(sh), StJ&LC, StJ&LC(sh), SAL, SB, SP&S, TT, UV(sh)
2 1/2 × 1/4	rnd R	stl (07) 32 AC&Y(sh), A&A(sh), ACL, B&C, B&C(sh), B&H(sh), B&LE, BS, B&M, CV, CW, ChRi, C&P(sh), D&MM(sh), D&H, D&SL, GW(sh), JW&NW(sh), L&WV, LS&I, L&HR(sh), L&NE, M&LS, MV(sh), NYNH&H, RV(sh), StJ&LC, StJ&LC(sh), SAL, SB, TT, UV(sh), WP-E

2 1/2 × 1/4	rnd R	stl (07) 33 A&A(sh), B&C, B&C(sh), B&LE, BS, B&CB&Q, C&P(sh), Col, D&MM(sh), D&H, D&DM&IR, EStL&S(sh), F&C(sh), J&SC(sh), L&WV(sh), L&NE, MeC, M&LS, M&NJ(sh), MV(sh), NYNH&H, NiPl, N&StL(sh), RV(sh) StJ&LC(sh), SB, TT, UV(sh), WP-E	&SL, &WV, MN&S,
2 1/2 × 1/4	rnd R	stl (07) 34 AC&Y(sh), A&A(sh), B&C(sh), B&LE, B&C&O, CB, D&H, F&C(sh), LS&I, L&NE, Med MV(sh), NYNH&H, RV(sh), StJ&LC(sh), SALTT, War(sh), WP-E	C, M&LS,
$2\ 1/2\ \times\ 1/4$	rnd R	stl (07) 34:b B&M, MeC	
2 1/2 × 1/4	rnd R	stl (07) 35 AC&Y(sh), A&A(sh), B&C(sh), B&LE, Ba C&O, Col, D&H, DT&I(sh), F&C(sh), G&J(s L&NE, MeC, M&LS, Ma&Pa(sh), NYNH&H, StJ&LC(sh), TT	h), LS&I,
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 35:b RV	
2 1/2 × 1/4	rnd R	stl (07) 36 AC&Y(sh), A&A(sh), B&LE, B&M, CV, C D&H, F&C(sh), G&J(sh), J&SC(sh), L&HR(s MeC, M&LS, NYNH&H, RF&P, StJ&LC(sh),	sh), L&NE,
$2 \ 1/2 \times 1/4$	rnd R	stl (07) 36:b MeC, M&LS	
2 1/2 × 1/4	rnd R	stl (07) 37 AC&Y(sh), B&LE, B&M, C&O, ChRi, Co FJ&G(sh), F&C(sh), G&J(sh), Int(bt), Int(sh KCT, L&NE, MeC, Ma&Pa(sh), NY&LB, NY N&StL(sh), RF&P, StJ&LC(sh), SSL(sh), TT), J&SC(sh), NH&H,
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 37:b B&M, D&H	
2 1/2 × 1/4	rnd R	stl (07) 38 AC&Y(sh), A&A(sh), B&LE, B&M, C&O. CSS&SB(sh), D&H, DT&I(sh), FJ&G(sh), F& G&J(sh), J&SC(sh), L&HR(sh), L&NE, MeC. NY&LB, NYNH&H, RF&P, StJ&LC(sh), TT	cC(sh), , M&NJ(sh),
2 1/2 × 1/4	rnd R	stl (07) 39 AC&Y(sh), A&A(sh), B&H(sh), B&LE, Bo C&O, ChRi, D&H, DT&I(sh), F&C(sh), G&J IRCA(sh), J&SC(sh), L&WV(sh), L&HR(sh), MeC, Ma&Pa(sh), M&StL(sh), NY&LB, RF& Ver(sh)	(sh), L&NE,
2 1/2 × 1/4	rnd R	stl (07) 40 AC&Y(sh), A&A(sh), B&C(sh), B&ML(sh) B&M, C&O, ChRi, D&H, DT&I(sh), FJ&G(s G&J(sh), IRCA(sh), J&SC(sh), L&HR(sh), La M&LS, NY&LB, NYS&W(sh), RF&P, StJ&L	h), F&C(sh), &NE, MeC,
$2 \ 1/2 \times 1/4$	rnd R	stl (07) 40:b RF&P	
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 40:c SSL(sh)	
2 1/2 × 1/4	rnd R	stl (07) 41 AC&Y(sh), B&C(sh), B&LE, B&M, ChRi, FJ&G(sh), F&C(sh), G&J(sh), L&HR(sh), L&M&NJ(sh), NY&LB, RF&P, StJ&LC(sh), SSI USG(sh)	kNE, MeC,
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 42 A&A(sh), B&C(sh), C&O, D&MM(sh), D& DT&I(sh), Erie, FJ&G(sh), J&SC(sh), L&WV M&LS, NY&LB, NYO&W(sh), NYS&W(sh),	/(sh), L&NE,
$2\ 1/2\ imes\ 1/4$	rnd R	stl (07) 43 AC&Y(sh), A&A(sh), C&O, D&H, DL&W Erie, G&J(sh), J&SC(sh), LV, M&LS, Ma&Pa NYO&W(sh), RF&P, Ste(sh), TT	, ·
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 44 AC&Y(sh), B&C, DL&W, DT&I(sh), Erie M&LS, NYO&W(sh), NYS&W(sh), P&WV, I StJ&LC, TT	

0.1/0 1/4	1.10	11 (07) 441	AC0 37/1 \ A0 A/1 \ D0 II D1 0 37 D10 C C0 1/1 \
$2 1/2 \times 1/4$	rnd R	1 /	o AC&Y(sh), A&A(sh), D&H, DL&W, FJ&G, G&J(sh), NYNH&H
$2\ 1/2\ imes\ 1/4$	rnd R	stl (07) 45	AC&Y(sh), A&A(sh), B&C, B&C(sh), B&H(sh),
			D&H, DL&W, Erie, G&J(sh), J&SC(sh), M&NJ(sh),
$2 \ 1/2 \ \times \ 1/4$	rnd R		NYS&W(sh), RF&P, StJ&LC
21/2 × 1/4	IIId K	stl (07) 46	A&A(sh), B&C(sh), B&M, D&H, DL&W, Erie, F&C(sh), G&J(sh), IRCA(sh), J&SC(sh), L&WV(sh),
			L&HR, MeC, NYO&W(sh), P&NW, RF&P, StJ&LC(sh),
0.1/0	1.5		USG(sh)
$2 1/2 \times 1/4$	rnd R	stl (07) 47	A&A(sh), B&C(sh), B&H(sh), B&M, D&H, DL&W, Erie, F&C(sh), G&J(sh), IRCA(sh), J&SC(sh), L&HR,
			MeC, NYO&W(sh), RV(sh), RF&P, StJ&LC(sh), W-SSB
$2 1/2 \times 1/4$	rnd R	stl (07) 48	B&C(sh), B&ML(sh), B&M, ChRi, D&H, D&H(p),
			DL&W, Erie, F&C(sh), G&J(sh), L&WV(sh), MeC,
$2\ 1/2\ \times\ 1/4$	rnd R	stl (07) 49	NYO&W(sh), StJ&LC(sh), W-SSB AC&Y(sh), Ba&Ar, B&C(sh), B&M, D&H, DL&W,
21/2 \ 1/4	ind it	` '	Erie, FJ&G(sh), F&C(sh), G&J(sh), IRCA(sh),
			L&WV(sh), MeC, M&NJ(sh), NYO&W(sh), RF&P,
0.1/0 1/4	l D		StJ&LC(sh), USG(sh), Ver(sh), W-SSB
$2 1/2 \times 1/4$	rnd R	stl (07) 50	AC&Y(sh), Ba&Ar, B&C(sh), B&LE, B&M, ChRi, D&H, DL&W, DT&I(sh), Erie, FJ&G(sh), F&C(sh),
			G&J(sh), IRCA(sh), L&WV(sh), MeC, M&NJ(sh), RF&P,
			StJ&LC(sh)
$2 1/2 \times 1/4$	rnd R	stl (07) 51	AC&Y(sh), Ba&Ar, B&LE, B&M, D&H, DL&W,
			Erie, F&C(sh), G&J(sh), IRCA(sh), LV, MeC, RF&P, StJ&LC(sh), USG(sh), W-SSB
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 52	AC&Y(sh), A&A(sh), Ba&Ar, B&H(sh), B&LE, B&M,
			ChRi, D&H, DL&W, Erie, F&C(sh), G&J(sh), J&SC(sh),
			MeC, M&NJ(sh), NYS&W(sh), RF&P, StJ&LC(sh), USG(sh)
$2\ 1/2\ \times\ 1/4$	rnd R	stl (07) 53	A&A(sh), Ba&Ar, B&LE, B&M, ChRi, D&H,
			DT&I(sh), Erie, G&J(sh), LS&I, MeC, M&LS,
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 54	NYO&W(sh), NYS&W(sh), N&W, RF&P, StJ&LC(sh) Ba&Ar, B&LE, B&M, C&O, CW(sh), ChRi, D&H,
2 1/2 × 1/4	ma it	` ,	DT&I(sh), Erie, F&C(sh), G&J(sh), LS&I, MeC, M&LS,
			NYS&W(sh), N&W, RF&P
$2\ 1/2\ \times\ 1/4$	rnd R	stl (07) 55	Ba&Ar, B&ML(sh), B&LE, B&M, C&O, ChRi, D&H,
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 56	MeC, N&W, RF&P Ba&Ar, B&LE, B&M, D&H, MeC, NYNH&H(sh),
2 1/2 // 1/1		• /	N&W, RF&P
$2\ 1/2\ \times\ 1/4$	rnd R	stl (07) 57	B&O, Ba&Ar, B&LE, B&M, D&H, Erie, L&WV(sh),
			LS&I, MeC, M&LS, Ma&Pa(sh), M&NJ(sh), NYNH&H(sh), NYS&W(sh), N&W, PRR, RF&P, SSL(sh)
$2 \ 1/2 \ \times \ 1/4$	rnd R	stl (07) 58	B&O, Ba&Ar, B&LE, B&M, C&O, CW(sh), D&H,
,			DL&W, Erie, FEC, LS&I, MeC, M&LS, N&W, RF&P,
91/9 0 1/4	and D		VRR
$2\ 1/2\ \times\ 1/4$	rnd R	stl (07) 59	Ba&Ar, B&LE, B&M, D&H, MeC, M&LS, NYNH&H(sh), N&W, PRR, RF&P, URR
$2\ 1/2\ imes\ 1/4$	rnd R	stl (07) 60	B&LE, MeC, RF&P
$2 1/2 \times 1/4$	rnd R	stl (07) 61	Ba&Ar, IRCA(sh), MeC, NYNH&H(sh), RF&P
$2 \frac{1}{2} \times \frac{1}{4}$	rnd R	stl (07) 62	IRCA(sh), MeC, RF&P
$2 \frac{1}{2} \times \frac{1}{4}$	rnd R	stl (07) 62:b	·
$2 1/2 \times 1/4$	rnd R	stl (07) 63	MeC, PRR, RF&P

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2 \ 1/2 \times 1/4
                rnd R
                                   stl (07) 64
                                                    MeC, RF&P
21/2 \times 1/4
                                   stl (07) 65
                                                    RF&P
                rnd R
2 \ 1/2 \times 1/4
                rnd R
                                   stl (07)
                                             66
                                                    RF&P
                                   stl (07)
                                            12
                                                    OSL, UP
21/2 \times 1/4
                rnd R GM
                                   stl (07) 13
                                                    OSL, UP
2 1/2 \times 1/4
                rnd R GM
2 \ 1/2 \times 1/4
                                   stl (07) 14
                                                    OSL, UP
                rnd R GM
2 \ 1/2 \times 1/4
                                   stl (07) 15
                                                    OSL, UP
                rnd R GM
2 \ 1/2 \times 1/4
                rnd R GM
                                   stl (07) 16
                                                    UP
                                                    UP
2 \ 1/2 \times 1/4
                rnd R GM
                                   stl (07) 17
2 \ 1/2 \times 1/4
                rnd R GM
                                   stl (07) 18
                                                    UP
                                   stl (07) 19
                                                    OSL, UP
2 \ 1/2 \times 1/4
                rnd R GM
                                   stl (07)
2 \, 1/2 \, \times \, 1/4
                rnd R GM
                                             20
                                                    UP
                                   stl (07)
                                             25
                                                    C&NW, DT(sh)
2 \, 1/2 \, \times \, 1/4
                rnd R gm
                                   stl (07) 26
2 1/2 \times 1/4
                rnd R gm
                                                    C&NW, DT(sh)
       \times 1/4
                rnd R
                                   stl (07)
                                             22
                                                    UP
2
                                   stl (07)
                                                    UP
       \times 1/4
                rnd R
                                             23
2
       \times 1/4
                rnd R
                                   stl (07)
                                             23:b
                                                    UP
2
                                                    GN
       \times 1/4
                                   stl (07) 24
                rnd R
                                   stl (07) 25
2
                                                    C\&P(sh), D\&H(sh), GN, MT(sh), NYS\&W(sh),
       \times 1/4
                rnd R
                                                 N&StL(sh), UV(sh), UP
                                   stl (07)
2
                                                    GN, KCM&O, MT(sh)
       \times 1/4
                rnd R
                                             26
2
                                   stl (07)
                                             27
                                                    DM&IR, GN, MT(sh), SB, UP
       \times 1/4
                rnd R
2
       \times 1/4
                rnd R
                                   stl (07)
                                             28
                                                    CB&Q, GN, MT(sh)
2
       \times 1/4
                                   stl (07)
                                             29
                                                    C&NW(sh), CB&Q, GN, MT(sh)
                rnd R
2
       \times 1/4
                rnd R
                                   stl (07)
                                             30
                                                    AA, C&NW, CB&Q, GN, MT(sh)
2
       \times 1/4
                                                    CB&Q
                                   stl (07)
                                             31
                rnd R
2
       \times 1/4
                                   stl (07) 33
                                                    L&N, Tr&Gu(sh)
                rnd R
2
                                                    NYO&W(p), O&NW(sh), UP
       \times 1/4
                rnd R
                                   stl (07)
                                             34
2
       \times 1/4
                rnd R
                                   stl (07)
                                             34:b
                                                    DL&W, Int(sh), L&N, NYO&W(sh), UP
2
       \times 1/4
                                   stl (07)
                                             35
                                                    NYO&W(p)
                rnd R
2
                                                    BA&P(sh), NYO&W(p), O&NW(sh), UP
       \times 1/4
                rnd R
                                   stl (07)
                                             36
2
       \times 1/4
                                   stl (07)
                rnd R
                                             37
                                                    C&H
2
       \times 1/4
                rnd R
                                   stl (07)
                                             38
                                                    C&H, WP-E
2
       \times 1/4
                                   stl (07)
                                             39
                                                    AC&F
                rnd R
2
       \times 1/4
                rnd R
                                   stl (07) 41
                                                    AC&F, MV(sh)
2
       \times 1/4
                rnd R
                                   stl (07)
                                             44
                                                    Ma&Pa(sh), PRR, UC
2
                                       (07)
                                             46
       \times 1/4
                rnd R
                                   stl
2
                                                    NYCTA
       \times 1/4
                                   stl (07)
                                             57
                rnd R
2
                                   stl (07)
                                            59
       \times 1/4
                rnd R
                                                    LS&I
2
                                                    PST, UC
       \times 1/4
                rnd R
                                   stl (07)
                                             61
2
                                                    MeC, USG
       \times 1/4
                rnd R
                                   stl (07)
                                             65
2
       \times 1/4
                rnd R
                                   stl (07)
                                             66
                                                    UC
1 \ 3/4 \times 1/4
                rnd R
                                   stl (07) 15
                                                    CB&Q
                                   stl (07) 15:b
                                                    CB&Q
1 \ 3/4 \times 1/4
                rnd R
                                       (07) 15:c
                                                    CB&Q
13/4 \times 1/4
                rnd R
                                   stl
13/4 \times 1/4
                                   stl (07)
                                            16
                                                    CB&Q
                rnd R
                                   stl (07) 17
                                                    CB&Q
1 \ 3/4 \times 1/4
                rnd R
1 \ 3/4 \times 1/4
                rnd R
                                   stl (07)
                                            18
                                                    CB&Q
1 \ 3/4 \ \times \ 1/4
                rnd R
                                   stl (07)
                                             19
                                                    CB&Q
1 \ 3/4 \ \times \ 1/4
                rnd R
                                   stl (07)
                                             20
                                                    CB&Q
                                   stl (07)
                                             21
                                                    CB&Q
13/4 \times 1/4
                rnd R
                                   stl (07) 22
                                                    CB&Q
13/4 \times 1/4
                rnd R
1 \ 3/4 \times 1/4
                                   stl (07) 23
                                                    CB&Q
                rnd R
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CB&Q
13/4 \times 1/4
                 rnd R
                                     stl (07) 24
1 \ 3/4 \times 1/4
                                     stl (07) 24;b
                                                      CB&Q
                 rnd R
                                                      CB&Q
13/4 \times 1/4
                 rnd R
                                     stl (07) 25
                                     stl (07) 26
                                                      CB&Q
1 \ 3/4 \ \times \ 1/4
                 rnd R
13/4 \times 1/4
                 rnd R
                                     stl (07) 27
                                                      CB&Q
13/4 \times 1/4
                                     stl (07) 28
                                                      CB&Q
                 rnd R
11/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                         (07) 15
                                                       UP
                                                      UP
11/2 \times 1/4
                 rnd R
                                     stl (07) 16
                                         (07) 17
                                                      UP
1 \ 1/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                                       UP
11/2 \times 1/4
                                         (07) 18
                 rnd R
                                     \operatorname{stl}
                                                      OSL, UP
11/2 \times 1/4
                                         (07) 19
                 rnd R
                                     stl
                                     stl (07) 29
                                                       Soo
11/2 \times 1/4
                 rnd R
                                     stl (07) 30
                                                       GT
11/2 \times 1/4
                 rnd R
                                     stl (07) 37
                                                       B&C(sh), CV
1 \ 1/2 \ \times \ 1/4
                 rnd R
1 \ 1/2 \ \times \ 1/4
                 rnd R
                                     stl (07) 38
                                                      B&C(sh), CV, StJ&LC(sh)
1 \ 1/2 \times 1/4
                 rnd R
                                     stl (07)
                                               39
                                                      L&HR
                                     stl (07) 41
                                                       J\&SC(sh)
11/2 \times 1/4
                 rnd R
11/2 \times 1/4
                 rnd R
                                     stl (07) 42
                                                       D\&M
                                     stl (07) 45
                                                       CV
11/2 \times 1/4
                 rnd R
                                                       CV, GT
1 \, 1/2 \, \times \, 1/4
                 rnd R
                                     stl (07) 46
                                                       CV, GT
1 \ 1/2 \times 1/4
                 rnd R
                                     stl (07) 47
11/2 \times 1/4
                 rnd R
                                     stl (07) 57
                                                       GT, PST
1 \ 1/2 \times 1/4
                                     stl (07) 59
                                                       PST
                 rnd R
11/2 \times 1/4
                                     stl (07)
                                               65
                                                       ACL, SAL(bt)
                 rnd R
                                     stl (07) 46
                                                       CV
1 \ 1/2 \ \times \ 1/4
                 rnd R cp
                                                       B&M, F&C(sh), MeC, StJ&LC(sh), USG(sh), Ver(sh)
                                     stl (07) 42
11/2 \times 1/5
                 rnd R
                                                       B&C(sh), MeC, StJ&LC(sh)
1 \, 1/2 \, \times \, 1/5
                 rnd R
                                     stl (07) 43
1 \, 1/2 \, \times \, 1/5
                 rnd R
                                     stl (07) 43:b
                                                       MeC
1 \, 1/2 \, \times \, 1/5
                                     stl (07) 43:c
                                                       B&M, B&M(p), F&C(sh), MeC
                 rnd R
                                                       B&C(sh), B&M, F&C(sh), G&U(sh), MeC, StJ&LC(sh)
                                     stl (07) 44
1 \, 1/2 \, \times \, 1/5
                 rnd R
                                                       B&C(sh), B&M, F&C(sh), MeC, StJ&LC(sh), USG(sh)
1 \ 1/2 \ \times \ 1/5
                                     stl (07) 45
                 rnd R
                                                       WM
1 \ 1/2 \times 1/5
                                     stl (07)
                 rnd R
                                               58
                                                       WM
1 \ 1/2 \times 1/5
                 rnd R
                                     stl (07)
                                               58:b
11/2 \times 1/5
                 rnd R
                                     stl (07) 64
                                                       NS
1 \, 1/2 \, \times \, 1/5
                 rnd R
                                     stl (07) 65
                                                       NS
                                     stl (07) 16
                                                       OSL
2 1/2 \times 3/16 rnd R
                                     stl (07)
                                                       OSL
2 \frac{1}{2} \times \frac{3}{16} \text{ rnd R}
                                               17
                                     stl (07) 16
                                                       SLR
2.1/2 \times 3/16 rnd R gm
                                     stl (07) 18
                                                       OSL
21/2 \times 3/16 rnd R gm
2 1/2 \times 3/16 rnd R gm
                                     stl (07)
                                               19
                                                       OSL
2 \frac{1}{2} \times \frac{3}{16} rnd R gm
                                     stl (07)
                                               20
                                                       OSL
                                     stl (07)
                                               26
                                                       SP-T
21/2 \times 3/16
                 rnd R gm
21/2 \times 3/16 rnd R gm
                                     stl (07) 27
                                                       TC
                                     stl (07)
                                                       SP-W, TC
                                               28
21/2 \times 3/16
                 rnd R gm
                                     stl (07)
                                               28:b
                                                       SP-W
21/2 \times 3/16 rnd R gm
                                                       SP-T, SP-W
                                     stl (07)
                                               29
2 1/2 \times 3/16 rnd R gm
21/2 \times 3/16 rnd R gm
                                     stl (07) 29:b
                                                       MV(sh), TC, TC
2 1/2 \times 3/16 \text{ rnd R gm}
                                     stl (07)
                                               30
                                                       SP-T
                                      stl (07)
                                               30:b
                                                       TC
21/2 \times 3/16 rnd R gm
                                                       SP-T, TC, Ver(sh)
                                      stl (07)
                                               31
2.1/2 \times 3/16 rnd R gm
                                                       SP-T, TC
                                      stl (07) 32
21/2 \times 3/16 rnd R gm
                                     stl (07) 33
                                                       SP-W, TC, Tr
21/2 \times 3/16 rnd R gm
21/2 \times 3/16 rnd R gm
                                     stl (07) 34
                                                       \operatorname{Tr}
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2 1/2 \times 3/16 rnd R gm
                                          stl (07) 36
                                                             SP-W, Tr
2 1/2 \times 3/16 \text{ rnd R gm}
                                          stl (07) 37
                                                             CCT(sh), SP-W, SP-W(bt)
2 1/2 \times 3/16 rnd R gm
                                          stl (07) 38
                                                             CCT(sh), SP-W
                                                             CCT(sh), SP-W
                                          stl (07) 40
2.1/2 \times 3/16 rnd R gm
21/2 \times 3/16 rnd R gm
                                          stl (07) 40:b
                                                             SP-W
                                          stl (07) 30
1.3/4 \times 3/16 rnd R gm
                                                             MilRd
1 3/4 \times 3/16 rnd R gm
                                          stl (07) 30:b
                                                             MilRd
1.3/4 \times 3/16 rnd R gm
                                          stl (07) 31
                                                             IaT(sh), MilRd
1.3/4 \times 3/16 rnd R gm
                                              (07) 31:b
                                                             MilRd
                                          \operatorname{stl}
1.3/4 \times 3/16 rnd R gm
                                          stl (07) 32
                                                             DT(sh), MilRd
                                          stl (07) 37
1 \, 1/2 \, \times \, 3/16 \, \text{rnd R}
                                                             CB&Q
2 \, 1/2 \, \times \, 7/40 \, \text{rnd R}
                                          stl (07) 15
                                                             UP
                                                             UP
2 \, 1/2 \times 7/40 \, \text{rnd R}
                                          stl (07) 16
                                          stl (07) 17
2 1/2 \times 7/40 rnd R
                                                             UP
2 1/2 \times 7/40 rnd R gm
                                          \operatorname{stl}
                                              (07) 12
                                                             SP, UP
                                                             SP, UP
2 1/2 \times 7/40 \text{ rnd R gm}
                                          stl (07) 13
                                                             SP
2.1/2 \times 7/40 rnd R gm
                                          stl (07) 13:b
2.1/2 \times 7/40 rnd R gm
                                          stl (07) 14
                                                             SP. UP
                                                             SP
2.1/2 \times 7/40 rnd R gm
                                          stl (07) 15
2~1/2~\times~7/40~{
m rnd}~{
m R}~{
m gm}
                                          stl (07) 15:b
                                                             SP
21/2 \times 7/40 rnd R gm
                                          stl (07) 17
                                                              UP
2 1/2 \times 7/40 rnd R gm
                                          stl (07) 18
                                                              UP
21/2 \times 7/40 rnd R gm
                                          stl (07) 19
                                                              UP
                                                              UP
21/2 \times 7/40 rnd R gm
                                          stl (07)
                                                     20
                                                              Wab
2 1/2 \times 1/8 + \text{ rnd R}
                                          stl (07) 20
                                                              Wab
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                          \operatorname{stl}
                                              (07) 22
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                          stl (07) 24
                                                              Wab
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                          \operatorname{stl}
                                              (07) 25
                                                              Wab
2 1/2 \times 1/8 + \text{ rnd R}
                                          stl (07) 26
                                                              Wab
                                          stl (07) 19
                                                              SP
21/2 \times 1/8 + \text{ rnd R gm}
21/2 \times 1/8 + \text{ rnd R gm}
                                          stl (07) 21
                                                              SP
                                                              SP
                                              (07) 21:b
21/2 \times 1/8 + \text{rnd R gm}
                                          \operatorname{stl}
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R gm}
                                          stl (07) 22
                                                              SFe
1 \, 1/2 \, \times \, 1/8 + \, \text{rnd R}
                                          stl
                                              (07) 23
                                                              Wab
1 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                              (07) 27
                                                              Wab
                                          \operatorname{stl}
                                                              Wab
1 \, 1/2 \, \times \, 1/8 + \, \text{rnd R}
                                              (07) 28
                                          stl
                                          stl (07) 13
21/2 \times 1/4
                   dia R
                                                              RI
                                          stl (07) 16
                                                             To&Go
21/2 \times 1/4
                   dia R
21/2 \times 1/4
                                          stl (07) 22
                                                             MoPac
                   dia R
21/2 \times 1/4
                   dia R
                                          stl (07) 23
                                                             MoPac
21/2 \times 1/4
                   dia R
                                          stl
                                              (07) 53
                                                              ChRi
                                              (07) 10
                                                              RI
21/2 \times 1/4
                   dia R rs
                                          \operatorname{stl}
2 \ 1/2 \times 1/4
                                              (07) 12
                                                              RI
                   dia R rs
                                          \operatorname{stl}
21/2 \times 1/4
                                              (07) 13
                                                              IC
                   dia R rs
                                          stl
21/2 \times 1/4
                   dia R rs
                                          stl (07) 14
                                                              RI
                                          stl (07) 15
21/2 \times 1/4
                   dia R rs
                                                              RI
21/2 \times 1/4
                   dia R rs
                                          stl (07) 16
                                                              RI
21/2 \times 1/4
                   dia R rs
                                          stl (07) 17
                                                              RI
                                                             LV
21/2 \times 1/4
                   dia R rs
                                          \operatorname{stl}
                                              (07) 17:b
21/2 \times 1/4
                                              (07) 18
                                                              RI
                   dia R rs
                                          \operatorname{stl}
21/2 \times 1/4
                   dia R rs
                                          \operatorname{stl}
                                              (07) 19
                                                              L&N, RI
21/2 \times 1/4
                                          stl (07) 20
                                                              L&N, RI
                   dia R rs
2 \, 1/2 \, \times \, 1/4
                   dia R rs
                                          stl (07) 21
                                                              RI
21/2 \times 1/4
                   dia R rs
                                          stl (07) 23
                                                              IC
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21/4 \times 9/32
                                   stl (07) 25
                                                   N&W, N&W(bt)
                sqr R
21/4 \times 9/32
                                   stl (07) 26
                                                   CW(sh bt), N&W, N&W(bt)
                sqr R
21/4 \times 9/32
                                   stl (07)
                                            26:b
                                                   N&W
                sqr R
                                   stl (07)
                                            27
                                                   N&W
21/4 \times 9/32
                sqr R
                                                   N&W
                                   stl (07)
                                            28
21/4 \times 9/32
                sqr R
21/4 \times 9/32
                                   stl (07)
                                            31
                sqr R
                                                   Int
21/4 \times 9/32
                                   stl (07)
                                            32
                                                   Int
                sqr R
21/4 \times 9/32
                                   stl (07)
                                            33
                                                   Int
                sqr R
                                   stl (07)
21/4 \times 9/32
                sqr R
                                            34
                                                   Int
2 \frac{1}{2} \times \frac{11}{40} \text{ sqr R}
                                   stl (07) 20
                                                   MisCe
                                   stl (07)
2 \frac{1}{2} \times \frac{11}{40} \text{ sqr R}
                                            21
                                                   MisCe
21/2 \times 1/4
                                   stl (07) 10
                                                   RI
                sqr R
21/2 \times 1/4
                                   stl (07) 12
                                                   RI
                sqr R
                                   stl (07) 13
2 1/2 \times 1/4
                sqr R
                                                   RI
21/2 \times 1/4
                                   stl (07) 14
                                                   Big4, RI
                sqr R
21/2 \times 1/4
                                   stl (07) 15
                                                   Big4, RI
                sqr R
21/2 \times 1/4
                                   stl (07) 16
                                                   Big4, CRW, RI, To&Go
                sqr R
                                   stl (07) 17
                                                   Big4, CRW, GR(sh), NYC, RI
21/2 \times 1/4
                sqr R
                                                   Big4, CRW, GR(sh), M&O(sh), NYC, RI, UV(sh), UP
2 \, 1/2 \, \times \, 1/4
                                   stl (07) 18
                sqr R
                                                   CRW, RI, UP
21/2 \times 1/4
                                   stl (07) 19
                sqr R
                                   stl (07)
                                                   CRW, OSL, RI, UP
2 \ 1/2 \times 1/4
                sqr R
                                            20
                                   stl (07) 21
                                                   N&W
2 \ 1/2 \times 1/4
                sqr R
21/2 \times 1/4
                sqr R
                                   stl (07)
                                            22
                                                    MisCe, NiPl, N&W
21/2 \times 1/4
                                   stl (07)
                                            23
                                                    CRW, MisCe, NiPl, N&W, N&W(bt)
                sgr R
2 1/2 \times 1/4
                sqr R
                                   stI (07)
                                            24
                                                   Big4, LH&StL, MisCe, N&W
                                                   D-GC
21/2 \times 1/4
                                   stl (07)
                                            24:b
                sqr R
21/2 \times 1/4
                                   stl (07) 25
                                                    Big4, B&M, MisCe
                sqr R
21/2 \times 1/4
                sqr R
                                   stl (07)
                                            25:b
                                                   B&M
2 \ 1/2 \times 1/4
                sqr R
                                   stl (07)
                                            26
                                                    A&A(sh), B&M, CRW, MisCe
2 \ 1/2 \times 1/4
                                   stl (07)
                                            27
                                                    CRW, MisCe, NiPl, P&LE, URR
                sqr R
21/2 \times 1/4
                                   stl (07)
                                            28
                                                    CRW, DM&IR, MisCe, NiPl, SFe, URR
                sqr R
21/2 \times 1/4
                                   stl (07)
                                                    A&BB(sh), MisCe, NYO&W(p), NiPl, SFe, URR
                                            29
                sqr R
                                                    A&BB(sh), MisCe, NiPl, URR
2 \ 1/2 \times 1/4
                                   stl (07)
                                            30
                sqr R
2 \ 1/2 \times 1/4
                                   stl (07)
                                            31
                                                   A&BB(sh), MisCe, NiPl, RV, SFe, URR
                sqr R
2 \ 1/2 \times 1/4
                sqr R
                                   stl (07) 32
                                                   NiPl, RV, SFe, SAL, URR
2 \ 1/2 \times 1/4
                                   stl (07)
                                            33
                                                   NYC(sh), NiPl, RV, SFe, URR
                sqr R
                                                    NiPl, RV, SFe, URR, WP-E
2 1/2 \times 1/4
                                   stl (07)
                                            34
                sqr R
                                                   B&LE, Int, RV, SFe, URR
21/2 \times 1/4
                                   stl (07)
                                            35
                sqr R
                                            36
                                                   Int, RV, SFe, URR
21/2 \times 1/4
                                   stl (07)
                sqr R
                                   stl (07)
21/2 \times 1/4
                                            36:b
                                                   RV
                sqr R
21/2 \times 1/4
                sqr R
                                   stl (07)
                                            36:c
                                                   RV
2 \ 1/2 \times 1/4
                                   stl (07)
                                            37
                                                    B&LE, Int, Int(bt), NiPl, RV, SFe, URR
                sqr R
                                   stl (07) 38
                                                   Int, NiPl, RV, SFe, URR
2 \, 1/2 \, \times \, 1/4
                sqr R
                                                    B&LE, C&O, Int, NiPl, RV, URR
21/2 \times 1/4
                                   stl (07) 39
                sqr R
                                   stl (07)
                                                    FJ&G, Int, MisCe, NiPl, RV, SFe, URR
21/2 \times 1/4
                                            40
                sgr R
                                   stl (07)
21/2 \times 1/4
                                            40:b
                sqr R
                                   stl (07) 41
                                                    DL&W, Int, L&WV(sh), NYS&W(sh), RV, URR
21/2 \times 1/4
                sqr R
21/2 \times 1/4
                sqr R
                                   stl (07) 42
                                                    Int, Int(bt), URR
21/2 \times 1/4
                                   stl (07)
                                            43
                                                    SFe, URR
                sqr R
2 \ 1/2 \times 1/4
                sqr R rs
                                   stl (07) 14
                                                   IC
21/2 \times 1/4
                                   stl (07) 15
                                                    Big4
                sqr R rs
21/2 \times 1/4
                                   stl (07) 24
                                                    D-GC, IC
                sqr R rs
2 \ 1/2 \times 1/4
                                   stl (07)
                                            25
                                                    LH&StL
                sqr R rs
21/2 \times 1/4
                sqr R rs
                                   stl (07) 26
                                                    LH&StL
```

```
2 \ 1/2 \times 1/4
                                                         LH&StL
                  sqr R rs
                                       stl (07) 27
2
       \times 1/4
                  sqr R
                                       stl (07) 14
                                                         CGN
2
       \times 1/4
                                           (07) 15
                                                         CGN
                  sqr R
                                       \operatorname{stl}
2
       \times 1/4
                                       stl (07) 16
                                                         CGN
                  sqr R
2
                                       stl (07) 17
                                                         CGN
       \times 1/4
                  sqr R
2
       \times 1/4
                                       stl (07) 24
                                                         GN
                  sqr R
2
       \times 1/4
                  sqr R
                                       \operatorname{stl}
                                           (07)
                                                 25
                                                         GN, StJ&LC(sh)
2
       \times 1/4
                  sqr R
                                       stl
                                           (07) 26
                                                         GN
2
       \times 1/4
                                          (07) 27
                                                         GN
                  sqr R
                                       \operatorname{stl}
2
                                           (07) 28
                                                         GN
       \times 1/4
                  sqr R
                                       \operatorname{stl}
2
                                                         GN
                                           (07) 29
       \times 1/4
                                       \operatorname{stl}
                  sqr R
2
       \times 1/4
                                       stl (07) 35
                                                         C&O
                  sqr R
2
       \times 1/4
                  sqr R
                                       stl (07) 40
                                                         C&H
2
       \times 1/4
                  sqr R
                                       stl (07) 41
                                                         C&H
1 \ 1/2 \ \times \ 1/4
                                       stl (07) 15
                                                         UP
                  sqr R
11/2 \times 1/4
                  sqr R
                                       \operatorname{stl}
                                           (07) 16
                                                         UP
11/2 \times 1/4
                                       stl (07) 17
                                                         UP
                  sqr R
                                                         UP
11/2 \times 1/4
                                       \operatorname{stl}
                                           (07) 18
                  sqr R
11/2 \times 1/4
                                           (07) 19
                                                         OSL, UP
                                       \operatorname{stl}
                  sqr R
                  sqr R
                                           (07) 34
                                                         URR
1 \, 1/2 \, \times \, 1/4
                                       \operatorname{stl}
1 \ 1/2 \times 1/4
                  sqr R
                                       stl (07) 36
                                                         GT
       \times \ 3/16
                 sqr R
                                       stl (07) 40
                                                         G&GE
       \times 3/16
                                       stl (07) 41
                                                         G&GE
                 sqr R
21/2 \times 1/4
                                           (07) 32
                                                         N&W, N&W(p)
                  cut R
                                       \operatorname{stl}
                                                         N&W, N&W(p), N&W(bt)
21/2 \times 1/4
                  cut R
                                       stl (07) 33
                                                         CW(sh), NYNH&H, N&W, N&W(p), SAL, TC
21/2 \times 1/4
                                       stl (07) 34
                  cut R
                                       stl (07) 35
                                                         CW(sh), M&NJ(sh), NYO&W(sh), N&W, N&W(p),
2 \ 1/2 \times 1/4
                  cut R
                                                     N&W(bt), SAL, TC, TP&W
21/2 \times 1/4
                  cut R
                                       stl (07)
                                                 36
                                                         N&W, N&W(p), SAL, TC, TP&W
                                       stl (07) 37
                                                         C&WI, N&W, N&W(bt), SAL, TC, TP&W
21/2 \times 1/4
                  cut R
21/2 \times 1/4
                                       stl (07) 38
                                                         CW(sh), C&WI, N&W, SAL, TC, TP&W
                  cut R
                                       stl (07) 39
                                                         C&WI, N&W, N&W(p), N&W(bt), TP&W
21/2 \times 1/4
                  cut R
                                                         CW(sh), C&WI, N&W, N&W(p), N&W(bt), TP&W
2 \ 1/2 \times 1/4
                                       stl (07) 40
                  cut R
2 \ 1/2 \times 1/4
                  cut R
                                       stl (07) 41
                                                         CW(sh\ bt), C\&WI, N\&W, N\&W(p), TP\&W
2 \ 1/2 \times 1/4
                  cut R
                                       stl (07) 42
                                                         CW(sh bt), N&W, N&W(p), N&W(bt)
2 \ 1/2 \times 1/4
                                       stl (07) 42:b
                                                         CW(sh bt), N&W, N&W(p), N&W(bt)
                  cut R
21/2 \times 1/4
                  cut R
                                       stl (07) 43
                                                         CW(sh), N&W
21/2 \times 1/4
                                       stl (07) 15
                                                         IC
                  pnt R rs
                                       stl (07) 25
                                                         IC
21/2 \times 1/4
                  pnt R rs
21/2 \times 1/4
                                       stl (07) 34
                                                         SFe
                  pnt R rs
2 \ 1/2 \times 1/4
                  pnt R rs
                                       \operatorname{stl}
                                           (07)
                                                 35
                                                         SFe
2 \ 1/2 \times 1/4
                  pnt R rs
                                       stl (07) 36
                                                         SFe
                                           (07) 37
                                                         SFe
2 \ 1/2 \times 1/4
                  pnt R rs
                                       \operatorname{stl}
                                                         SFe
21/2 \times 1/4
                                           (07) 38
                  pnt R rs
                                       \operatorname{stl}
                                                         IC
21/2 \times 1/4
                                           (07) 16
                  hex R rs
                                       \operatorname{stl}
21/2 \times 1/4
                  hex R rs
                                       stl (07) 26
                                                         IC
                                       stl (07) 26:b
21/2 \times 1/4
                  hex R rs
                                                         IC
2 \ 1/2 \times 1/4
                  irr R rs
                                       stl (07) 18
                                                         DL&W, Erie
21/2 \times 1/4
                                       stl (07) 48
                                                         URR
                  irr
                      R ss
                                           (07) 49
                                                         URR
2 \ 1/2 \times 1/4
                  irr
                      R ss
                                       \operatorname{stl}
                                       stl (07) 52
                                                         URR
21/2 \times 1/4
                      R ss
                  irr
                                           (07) 53
                                                         URR
21/2 \times 1/4
                      R ss
                                       \operatorname{stl}
                  irr
                                                         C&O
                                           (07) 64
21/2 \times 1/4
                  irr
                      R ss
                                       \operatorname{stl}
2 \ 1/2 \times 1/4
                  tri on rnd Rrs
                                       stl (07) 17
                                                         IC
```

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2 \ 1/2 \times 1/4
                  rnd R-I hs
                                        stl (07) 42
                                                           WP-E
                                                           WP-E
2 \ 1/2 \times 1/4
                  rnd R-I hs
                                        stl (07) 43
2 \ 1/2 \times 1/4
                  rnd R-I hs
                                        stl (07) 44
                                                           WP-E
                                       cop (07) 11
1 \frac{1}{2} \times \frac{3}{16} \text{ rnd I gm}
                                                           P&LE
1.1/2 \times 3/16 rnd I gm
                                       cop(07) 12
                                                           P&LE
1.1/2 \times 3/16 rnd I gm
                                                           P&LE
                                       cop(07) 15
1.1/2 \times 3/16 rnd I gm
                                       cop (07) 16
                                                           P&LE
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                       cop(07)
                                                           CB
                                                   03
1 \ 1/4 \times 3/16
                  rnd I
                                       cop (07) 05
                                                           CB
1 \ 1/4 \times 3/16
                                            (07) 06
                                                           CB
                  rnd I
                                       cop
                                                           CB
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                       cop (07) 07
                                                           CB
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                            (07)
                                                   08
                                       COD
                                       cop (07)
                                                           CB
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                                  10
                                       cop(07) 27
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                                           _{\rm LI}
1.1/4 \times 3/16 \text{ rnd I}
                                       cop(07)
                                                   29
                                                           MilRd
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                       cop
                                            (07)
                                                   29:b
                                                           MilRd
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                       cop (07) 30
                                                           DT&I
11/4 \times 3/16
                                       cop (07) 30:b
                                                           DT&I
                  rnd I
1 \, 1/4 \, \times \, 3/16
                 rnd I
                                       cop (07) 31
                                                           DT&I
1 \, 1/4 \, \times \, 3/16
                                       cop(07)
                                                   29
                                                           MilRd
                  sqr I rs
                                       cop (07) 30
11/4 \times 3/16 \text{ sqr I rs}
                                                           MilRd
                                       cop (07) 32
2 \ 1/2 \times 1/4
                  rnd R
                                                           B&G
21/2 \times 1/4
                                        stl (07?) 29
                  cut R
                                                           KCT
21/2 \times 1/4
                                        stl (07?) 30
                                                           KCT
                  cut R
                                        stl (07?) 31
                                                           KCT
2 1/2 \times 1/4
                  cut R
2 \, 1/2 \, \times \, 1/4
                  rnd I
                                        stl (08) 44
                                                           Erie
2 \ 1/2 \times 1/4
                  rnd I
                                        stl (08) 45
                                                           Erie
21/2 \times 1/4
                                        stl (08) 46
                                                           AC&F
                  sqr I
                                        stl (08) 44
2 \ 1/2 \times 1/4
                                                           ChRi
                  rnd R
21/2 \times 1/4
                                                           D&H(sh), G&U, IC
                                        stl (08) 44:b
                  rnd R
                  sqr R
2 1/2 \times 1/4
                                        stl (08) 44
                                                           URR
2 \ 1/2 \ \times \ 1/4
                                            (08) 45
                                                           URR
                  sqr R
                                        \operatorname{stl}
2 \ 1/2 \times 1/4
                  sqr R
                                        stl (08) 46
                                                           URR
21/2 \times 1/4
                                        stl (08) 47
                                                           URR
                  irr R ss
2 \ 1/2 \times 1/4
                  irr R ss
                                        stl (08)
                                                   48
                                                           URR
                                        stl (09)
                                                           L&M
2 1/2 \times 1/4
                  rnd I
                                                   28
2 \, 1/2 \, \times \, 1/4
                                        stl (09)
                                                   29
                                                           L&M
                  rnd I
21/2 \times 1/4
                  rnd I
                                        \operatorname{stl}
                                            (09)
                                                   30
                                                           L&M
2 \ 1/2 \times 1/4
                  rnd I
                                        \operatorname{stl}
                                            (09)
                                                   30:b
                                                          L&M
2 \ 1/2 \times 1/4
                                        stl
                                            (09)
                                                   31
                                                           L&M
                  rnd I
                                            (09)
                                                           L\&M
21/2 \times 1/4
                  rnd I
                                        \operatorname{stl}
                                                   32
21/2 \times 1/4
                                            (09)
                                                           L\&M
                                                   30
                  rnd R
                                        stl
21/2 \times 1/4
                                            (09)
                                                   32
                                                           C&IM, IlT
                  rnd R
                                        \operatorname{stl}
21/2 \times 1/4
                                        stl (09) 33
                                                           C&IM, IIT, P&PU
                  rnd R
2 \ 1/2 \times 1/4
                  rnd R
                                        stl (09)
                                                   34
                                                           C&IM, P&PU
21/2 \times 1/4
                  rnd R
                                        stl (09) 34:b
                                                           P&PU
2 \ 1/2 \times 1/4
                                        stl (09)
                                                   35
                                                           C&IM, CB, IIT, L&M, M-I, MoPac, P&PU, StFC(sh)
                  rnd R
                                        stl (09) 36
                                                           CB, P&PU
21/2 \times 1/4
                  rnd R
21/2 \times 1/4
                                            (09) 37
                                                           C&IM, L&M, P&PU, TS
                  rnd R
                                        \operatorname{stl}
21/2 \times 1/4
                                        stl (09)
                                                           AC&Y(sh), AA, DT(sh), P&PU, Wab
                  rnd R
                                                   38
2 \ 1/2 \times 1/4
                  rnd R
                                        stl (09) 38:b
                                                           Wab
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2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 38:c
                                                     Wab
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 39
                                                     CB, P&PU
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09)
                                             40
                                                     AA, C&EI(sh), P&PU, Wab
2 \ 1/2 \times 1/4
                                    stl (09) 41
                 rnd R
                                                     P&PU
21/2 \times 1/4
                 rnd R
                                    stl (09)
                                             42
                                                     P&PU
2 \ 1/2 \times 1/4
                                    stl (09)
                 rnd R
                                             43
                                                     CB
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09)
                                              44
                                                     CB, FDDM&S, SFe(sh), T&P
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 44:b
                                                     CB, T&P
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 45
                                                     C&IM, CB, GT, MisCe
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 46
                                                     C&IM, CB, MisCe
2 1/2 \times 1/4
                                    stl (09) 46:b
                                                     C&IM, CB
                 rnd R
                                    stl (09) 47
2 \ 1/2 \times 1/4
                 rnd R
                                                     ChRi, CB, P&PU, RI, TP&W
21/2 \times 1/4
                                    stl (09) 47:b
                 rnd R
                                                     CB, MisCe, RI
21/2 \times 1/4
                 rnd R
                                    stl (09) 47:c
                                                     CB
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09)
                                              48
                                                     C&IM, CB, GT, MisCe, P&PU, TP&W
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 49
                                                     C&IM, IIT, MisCe, P&PU
21/2 \times 1/4
                                    stl (09) 50
                                                     C&IM, C&WI, CB, MisCe, P&PU, TP&W
                 rnd R
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                    stl (09) 50:b
                                                     CB, VRR
2 \ 1/2 \times 1/4
                                    stl (09) 50:c
                 rnd R
                                                     CB
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 50:d
                                                     CB
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 51
                                                     C&IM, C&WI, C&G, GT, IC, KCS, MisCe, P&PU,
                                                  RF&P(sh)
2 \ 1/2 \times 1/4
                                    stl (09) 51:b
                                                     VRR
                 rnd R
21/2 \times 1/4
                                    stl (09) 52
                                                     C&IM, MisCe, S-BC, TAStL, VRR
                 rnd R
                                                     C&IM, MiCo, MisCe, P&PU, RF&P(sh), S-BC, VRR
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 53
21/2 \times 1/4
                                    stl (09) 53:b
                 rnd R
                                                     C&IM, CB, MiCo, MisCe, P&PU, VRR
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 54
21/2 \times 1/4
                 rnd R
                                    stl (09)
                                              55
                                                     C&IM, CB, MiCo, MisCe, P&PU, VRR
21/2 \times 1/4
                 rnd R
                                    stl (09) 56
                                                     C&IM, CB, MisCe, PRR, P&PU, TAStL, VRR
21/2 \times 1/4
                                    stl (09) 57
                                                     C&IM, D&M, MisCe, P&PU, TAStL, VRR
                 rnd R
21/2 \times 1/4
                 rnd R
                                    stl (09) 58
                                                     C&IM, FEC, MexPa, MisCe, P&PU
21/2 \times 1/4
                                                     C&IM, DM&IR, FEC, M&SV, MisCe, P&PU
                 rnd R
                                    stl (09)
                                              59
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09)
                                              60
                                                     C&IM, DM&IR, FEC, GT, M&SV, MisCe, P&PU
21/2 \times 1/4
                 rnd R
                                    stl (09)
                                              61
                                                     C&IM, FEC, P&PU
2 \ 1/2 \times 1/4
                 rnd R
                                    stl
                                        (09) 62
                                                     C&IM, FEC, GT, M&SV, P&PU
21/2 \times 1/4
                                                     C&IM, GT, P&PU, SFe
                                        (09)
                                              63
                 rnd R
                                    \operatorname{stl}
                                    stl (09)
21/2 \times 1/4
                 rnd R
                                              64
                                                     GT, P&PU
                                    stl (09)
21/2 \times 1/4
                                              65
                                                     GT, P&PU, P&NW, SFe
                 rnd R
21/2 \times 1/4
                                    stl (09)
                 rnd R
                                              66
                                                     SFe
21/2 \times 1/4
                 rnd R
                                    stl (09)
                                              67
                                                     P&PU
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (09)
                                              69
                                                     D&M, SFe
1 \ 1/2 \times 1/4
                                    stl (09) 45
                                                     GT
                 rnd R
1 \ 1/2 \times 1/4
                 rnd R
                                    \operatorname{stl}
                                        (09)
                                              46
                                                     GT
11/2 \times 1/4
                                        (09)
                                                     GT
                                              47
                 rnd R
                                    \operatorname{stl}
                                                     GT
11/2 \times 1/4
                 rnd R
                                    \operatorname{stl}
                                        (09)
                                             49
11/2 \times 1/4
                                    stl (09) 50
                                                     GT
                 rnd R
1 \ 1/2 \times 1/4
                 rnd R
                                    stl (09) 54
                                                     GT
1 \ 1/2 \times 1/4
                 rnd R
                                    stl (09)
                                              58
                                                     GT
1 \ 1/2 \times 1/4
                                                     CV, GT
                 rnd R
                                    \operatorname{stl}
                                        (09)
                                              59
1 \ 1/2 \times 1/4
                                    \operatorname{stl}
                                        (09) 60
                                                     CV, GT
                 rnd R
                                        (09)
11/2 \times 1/4
                 rnd R
                                    \operatorname{stl}
                                              61
                                                     CV, GT
1 \, 1/2 \, \times \, 1/4
                                    stl (09) 62
                                                     CV
                 rnd R
11/2 \times 1/4
                 rnd R
                                    stl (09) 63
                                                     ACL, CV, SAL(bt)
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1 \ 1/2 \ \times \ 1/4
                 rnd R
                                    stl (09) 64
                                                      ACL, CV, C&IM, DW&P, SAL(bt)
1 \ 1/2 \ \times \ 1/4
                                    stl (09) 65
                                                      CV, C&IM
                 rnd R
                                                      ACL, CV, C&IM, D&M, SAL(bt)
1 \ 1/2 \ \times \ 1/4
                 rnd R
                                    stl (09) 66
1 \ 1/2 \times 1/4
                                    stl (09) 67
                                                      C&IM, D&M, SAL(bt)
                 rnd R
                                    stl (09) 35
                                                      SP-T, Ver(sh)
21/2 \times 1/5
                 rnd R gm
2 \ 1/2 \times 1/5
                                    stl (09) 36
                                                      Ver(sh)
                 rnd R gm
                                    stl (09) 45
                                                      AC&Y(sh), A&A(sh), C&NW(sh), CNS&M
1 \, 1/2 \, \times \, 1/5
                 rnd R
                                                      AC&Y(sh), DT&I(sh), Erie
2 \ 1/2 \times 1/4
                 rnd I
                                    stl (10) 33
21/2 \times 1/4
                 rnd I
                                     stl (10) 34
                                     stl (10) 36
                                                      DT&I(sh), MiCo
21/2 \times 1/4
                 rnd I
                                     stl (10) 24
                                                      L&N, N&W
21/2 \times 1/4
                 rnd R
                                                      L&N, N&W, N&W(bt)
2 \ 1/2 \times 1/4
                                     stl (10) 25
                 rnd R
                                     stl (10) 27
                                                      L\&N
21/2 \times 1/4
                 rnd R
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (10) 28
                                                      CB, IlT, L&N, Tr&Gu(sh)
                                     stl (10) 29
                                                      CB, L&N, M&LS(sh), MiCe, MoPac, TH&B(sh)
2 \ 1/2 \times 1/4
                 rnd R
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (10) 30
                                                      CB, MiCe, TH&B(sh)
                                     stl (10) 34
                                                      L&WV
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (10) 36
                                                      LS&I, M&LS
2 1/2 \times 1/4
                 rnd R
21/2 \times 1/4
                                     stl (10) 37
                                                      DT(sh), SB
                 rnd R
                                                      LS&I, M&LS
2 \ 1/2 \times 1/4
                                     stl (10) 39
                 rnd R
                                     stl (10) 41
21/2 \times 1/4
                                                      LS&I, M&LS
                 rnd R
1 \ 1/2 \ \times \ 1/4
                 rnd R
                                     stl (10) 41
                                                      GT
11/2 \times 1/4
                                     stl (10) 39
                                                      DW&P
                 rnd R cp
                                                      DW&P, GT
1 \ 1/2 \ \times \ 1/4
                 rnd R cp
                                     stl (10) 40
                                     stl (10) 41
                                                      DW&P, GT
11/2 \times 1/4
                 rnd R cp
                                     stl (10) 42
                                                      GT
1 \, 1/2 \, \times \, 1/4
                 rnd R cp
1 \ 1/2 \times 1/4
                                     stl (10) 44
                                                      GT
                 rnd R cp
                                     stl (10) 79
                                                      Apac
2 1/2 \times 3/16 \text{ rnd R}
2 1/2 \times 3/16 \text{ rnd R}
                                     stl (10) 80
                                                      Apac
                                     stl (10) 81
2.1/2 \times 3/16 rnd R
                                                      Apac
2 \frac{1}{2} \times \frac{3}{16} \text{ rnd R}
                                     stl (10) 82
                                                      Apac
                                     stl (10) 83
                                                      Apac
2 1/2 \times 3/16 \text{ rnd R}
                                     stl (10) 84
                                                      Apac
2 1/2 \times 3/16 \text{ rnd R}
2 1/2 \times 3/16 \text{ rnd R}
                                     stl (10) 85
                                                      Apac
2 1/2 \times 3/16 \text{ rnd R}
                                     stl (10) 86
                                                      Apac
                                     stl (10) 87
                                                      Apac
2 \frac{1}{2} \times \frac{3}{16} \text{ rnd R}
                                     stl (10) 88
                                                      Apac
2 1/2 \times 3/16 \text{ rnd R}
                                     stl (10) 90
                                                      Apac
2 1/2 \times 3/16 \text{ rnd R}
                                     stl (10) 91
                                                      Apac
2 1/2 \times 3/16 rnd R
                                                      USG
                                     stl (10) 99
2 1/2 \times 3/16 \text{ rnd R}
21/4 \times 9/32
                 sqr R
                                     stl (10) 27
                                                      N&W
                                     stl (10) 28
21/4 \times 9/32
                                                      CW(sh), N&W, N&W(bt)
                 sqr R
                                     stl (10) 29
                                                      CW(sh), N&W, N&W(p), N&W(bt)
21/4 \times 9/32
                 sqr R
                                     stl (10) 30
                                                      N&W, N&W(p), N&W(bt)
21/4 \times 9/32
                 sqr R
                                                      CW(sh), N&W, N&W(p)
21/4 \times 9/32
                                     stl (10) 31
                 sqr R
                                                      CW(sh), N&W, N&W(p), N&W(bt)
                                     stl (10) 32
21/4 \times 9/32 \text{ sqr R}
2 \ 1/2 \times 1/4
                 rnd I
                                     mi (11) 10
                                                      NYNH&H
2 \ 1/2 \times 1/4
                 rnd I
                                     mi (11) 11
                                                      NYNH&H
                                     mi (11) 13
                                                      DL&W, NYNH&H
21/2 \times 1/4
                 rnd I
2 \ 1/2 \times 1/4
                 rnd I
                                     mi (11) 15
                                                      NYNH&H
                                                      NYC
2 \, 1/2 \, \times \, 1/4
                                     mi (11) 16
                 rnd I
                                     mi (11) 24
2 \, 1/2 \, \times \, 1/4
                 rnd I
                                                      SAL
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2 \ 1/2 \times 1/4
                rnd I gm
                                  mi (11) 14
                                                  L&WV
      \times 3/16 rnd I
                                  mi (11) 14
                                                  DL&W
1 \, 1/4 \, \times \, 3/16
                rnd I
                                      (11) 30
                                                  E&LS, IlT
                                  _{
m mi}
                                  mi (11) 10
2 1/2 \times 1/4
                rnd R
                                                  DL&W, PRR, StFC(sh)
21/2 \times 1/4
                rnd R
                                  mi (11) 11
                                                  DL&W, UV(sh)
2 1/2 \times 1/4
                rnd R
                                  mi (11) 11:b
                                                  DL&W
2 \ 1/2 \times 1/4
                rnd R
                                  mi
                                      (11) 12
                                                  DL&W
2 \ 1/2 \times 1/4
                rnd R
                                  mi (11) 13
                                                  DL&W
                                     (11) 14
                                                  A&A(sh), DL&W, L&WV
21/2 \times 1/4
                rnd R
                                  mi
2 \, 1/2 \, \times \, 1/4
                rnd R
                                  mi (11) 15
                                                  D&MM(sh), DL&W, L&WV, LV, Prat(sh)
                                                  D&MM(sh), DL&W, UV(sh)
2 1/2 \times 1/4
                rnd R
                                  mi (11) 16
                                  mi (11) 16:b
2 1/2 \times 1/4
                rnd R
                                                  LV
                                                  LV
21/2 \times 1/4
                rnd R
                                  mi (11) 16:c
21/2 \times 1/4
                rnd R
                                  mi (11) 16:d
2 \ 1/2 \times 1/4
                rnd R
                                      (11) 17
                                                  D&MM(sh), DL&W
                                  _{
m mi}
2 \ 1/2 \times 1/4
                rnd R
                                  mi (11) 18
                                                  DL&W, Prat(sh)
                                     (11) 19
                                                  DL&W, StFC(sh)
2 \ 1/2 \times 1/4
                rnd R
                                  _{
m mi}
21/2 \times 1/4
                rnd R
                                      (11) 20
                                                  DL&W, StFC(sh)
                                  mi
                                                  D&MM(sh), DL&W
21/2 \times 1/4
                                  mi (11) 21
                rnd R
2 1/2 \times 1/4
                rnd R
                                  mi (11) 21:b
                                                  DL&W, StFC(sh)
                                  mi (11) 22
21/2 \times 1/4
                rnd R
                                                  DL&W, Prat(sh), StFC(sh)
21/2 \times 1/4
                rnd R
                                  mi (11) 23
                                                  D&MM(sh), DL&W, Prat(sh)
2 \ 1/2 \times 1/4
                rnd R
                                  mi (11) 24
                                                  Bo&Al, DL&W, Prat(sh)
21/2 \times 1/4
                                  mi (11) 25
                                                  B&M, DL&W, NYS&W(sh), P&LE, StJ&LC(sh)
                rnd R
21/2 \times 1/4
                rnd R
                                  mi (11) 26
                                                  B&C(sh), B&M, CV, DL&W, NYS&W(sh), TC&GB
                                                  B&M, CV, D&MM(sh), DL&W, NYS&W(sh)
21/2 \times 1/4
                rnd R
                                  mi (11) 27
                                                  B&C(sh), B&M, CV, D&MM(sh), DL&W, P&LE,
2 \ 1/2 \times 1/4
                rnd R
                                  mi (11) 28
                                               StJ&LC(sh)
                                  mi (11) 29
2 \ 1/2 \times 1/4
                rnd R
                                                  B&M, B&M(p), D&MM(sh), DL&W, M&StL(sh),
                                               NC&StL, P&LE, StJ&LC(sh)
                                                  B&M, DL&W
21/2 \times 1/4
                rnd R
                                  mi (11) 29:b
                                                  B\&C(sh), B\&ML(sh), B\&M, B\&M(p), DL\&W,
21/2 \times 1/4
                                  mi (11) 30
                rnd R
                                               L&WV(sh), NYO&W(sh), P&LE, StJ&LC(sh)
21/2 \times 1/4
                rnd R
                                  mi (11) 30:b
                                                  DL&W, NYS&W(sh)
2 1/2 \times 1/4
                rnd R
                                  mi (11) 31
                                                  D&MM(sh), DL&W, P&LE
                                                  B&M, D&MM(sh), DL&W, NYO&W(sh), NYS&W(sh)
2 1/2 \times 1/4
                                  mi (11) 32
                rnd R
                                  mi (11) 33
                                                  DL&W
21/2 \times 1/4
                rnd R
                                                  TH&B
                                  mi (11) 17
      \times 3/16 rnd R
2
      \times 3/16 rnd R
                                  mi (11) 20:b
                                                  NN
                                                  NN
2
      \times 3/16 rnd R
                                  mi (11) 21
2
      \times 3/16 rnd R
                                  mi (11) 24
                                                  B\&M
2
      \times 3/16 rnd R
                                  mi (11) 26
                                                  A&A(sh), NC&StL, NiPl
2
      \times 3/16 rnd R
                                     (11) 27
                                                  A&A(sh), NC&StL, UV(sh)
                                  mi
2
                                                  NC&StL
      \times 3/16 rnd R
                                  mi (11) 28
2
                                                  L&HR(sh), NC&StL
      \times 3/16 rnd R
                                  mi (11) 29
2
                                  mi (11) 30
                                                  A&A(sh), NC&StL
      \times 3/16 rnd R
      \times 3/16 rnd R
                                  mi (11) 31
                                                  A&A(sh), L&HR(sh), L&BR(sh), NC&StL
1 \frac{1}{2} \times \frac{3}{16} \text{ rnd R}
                                  mi (11) 28
                                                  IIT
                                                  C&O
1 \frac{1}{4} \times \frac{3}{16} \text{ rnd R}
                                  mi (11) 18
1.1/4 \times 3/16 \text{ rnd R}
                                  mi (11) 25
                                                  FJ&G(sh), NC&StL
1 \, 1/4 \, \times \, 3/16 \, \text{rnd R}
                                  mi (11) 26
                                                  FJ\&G(sh)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd R}
                                  mi (11) 27
                                                  FJ&G(sh)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd R}
                                  mi (11) 28
                                                  FJ&G(sh)
      \times 3/16 rnd R
                                  mi (11) 23
                                                  Bo&Al
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2 \ 1/2 \times 1/4
                                                    GR(sh), NYC, N&StL(sh)
                sqr R rs
                                   mi (11) 16
                sqr R rs
2 \, 1/2 \, \times \, 1/4
                                    mi (11) 17
                                                    NYC
                                                    IC
2 \, 1/2 \, \times \, 1/4
                tri R rs
                                    mi (11) 27
2 \ 1/2 \times 1/4
                tri R rs
                                    mi (11) 27:b
                                                    IC
2 \, 1/2 \, \times \, 1/4
                bowtie R rs
                                   mi (11) 18
                                                    IC
2 \ 1/2 \times 1/4
                bowtie R rs
                                    mi (11)
                                             28
                                                    IC
2 \ 1/2 \times 1/4
                                                    IC
                cross Rrs
                                       (11) 19
                                    mi
                                                    IC
2 \, 1/2 \, \times \, 1/4
                cross Rrs
                                    mi
                                       (11) 29
2 \ 1/2 \times 1/4
                                                    IC
                octagon R rs
                                    mi (11) 20
                                                    IC
21/2 \times 1/4
                tombstone R rs
                                   mi (11) 21
2 \ 1/2 \times 1/4
                rnd I
                                    stl (12) 71
                                                    Pac, S-BC
21/2 \times 1/4
                rnd I
                                    stl (12) 75
                                                    S-BC
2 \, 1/2 \, \times \, 1/4
                                    stl (12) 58
                                                    MR
                rnd R
2 \ 1/2 \times 1/4
                rnd R
                                    stl (12)
                                             59
                                                    MR
                                                    MR
21/2 \times 1/4
                                    stl (12) 60
                rnd R
2 \, 1/2 \, \times \, 1/4
                rnd R
                                    stl (12) 75
                                                    S-BC
2 \frac{1}{2} \times \frac{5}{16} \text{ rnd I cp}
                                   mi (13) 11
                                                    PRR
2 \, 1/2 \, \times \, 1/4
                                    stl (14) 15
                                                    BR&P, BA&P(sh), CB, E&LS, MM&SE, NYC, NP,
                rnd I
                                                 TH&B, UP
                                                    C&NW
1 \ 3/4 \times 11/40 \ \text{rnd I}
                                    stl (17)
                                             29
1 \ 3/4 \times 1/4
                                    stl (17)
                                             29
                                                    C&NW
                rnd I
                                                    C&NW
1 \ 3/4 \times 1/4
                rnd I
                                    stl (17)
                                             30
                                                    DM&CI
1 \, 1/2 \, \times \, 1/4
                rnd I
                                    stl (17)
                                             29
21/2 \times 1/4
                rnd R
                                    stl (17)
                                             29
                                                    SFe
2 \ 1/2 \times 1/4
                rnd R
                                    stl (17)
                                             30
                                                    Frisco(sh), KCS, MKT, MoPac, SFe, Sie(sh), TPTNO,
                                                 TC&GB
                                                    MoPac, SFe, Tr&Gu(sh)
21/2 \times 1/4
                rnd R
                                    stl (17) 30:b
                                                    A&LM, M&NE, SN
21/2 \times 1/4
                                    stl (17)
                                             30:c
                rnd R
                                                    M&LS(sh), Soo
2 \ 1/2 \times 1/4
                rnd R
                                    stl (17)
                                             30:d
21/2 \times 1/4
                rnd R
                                    stl (17) 31
                                                    A&LM, KCS, M&NE, MoPac, TC&GB
2 \ 1/2 \times 1/4
                rnd R
                                    stl (17) 31:b
                                                    Frisco(sh), KCS, SFe
2 \ 1/2 \times 1/4
                                    stl (17) 32
                                                    A&LM, CB, KCS, M&NE, MoPac, StFC(sh), SFe
                rnd R
2 \ 1/2 \times 1/4
                                    stl (17)
                                             33
                                                    A&LM, CB, KCS, M&NE, MoPac, SFe, SP&S
                rnd R
                                                    A&LM, KCS, MKT, SP&S
21/2 \times 1/4
                                    stl (17)
                                             34
                rnd R
21/2 \times 1/4
                rnd R
                                    stl (17)
                                                    A&LM, CB, Frisco(sh), KCS, M&NE, M-I, MoPac,
                                                 StFC(sh), SFe
2 \ 1/2 \times 1/4
                rnd R
                                    stl (17) 36
                                                    A&LM, CB, KCS, M&NE, M-I, MoPac, SFe
2 \ 1/2 \times 1/4
                                    stl (17) 36:b
                                                    MoPac
                rnd R
                                                    A&LM, EStL&S(sh), KCS, M&NE, MoPac, P&N,
2 \ 1/2 \times 1/4
                                    stl (17) 37
                rnd R
                                                 TPTNO
21/2 \times 1/4
                                    stl (17) 38
                                                    A&LM, CB, KCS, M&NE, P&N, StFC(sh), SFe,
                rnd R
                                                 Sie(sh), TPTNO(sh)
21/2 \times 1/4
                rnd R
                                    stl (17) 39
                                                    A&LM, KCS, M&NE, P&N, StFC(sh)
21/2 \times 1/4
                rnd R
                                    stl (17) 40
                                                    A&LM, AD&N, C&A(sh), EStL&S(sh), KCS, M&NE,
                                                 StFC(sh), SFe
2 \ 1/2 \ \times \ 1/4
                                                    A&LM, AD&N, C&A(sh), C&EI(sh), KCS, M&NE,
                rnd R
                                    stl (17) 41
                                                 StFC(sh), SFe
21/2 \times 1/4
                                    stl (17) 42
                                                    AA, A&LM, AD&N, C&EI(sh), KCS, M&NE, MKT,
                rnd R
                                                 SFe, Wab
2 \ 1/2 \times 1/4
                rnd R
                                    stl (17) 43
                                                    A&LM, AD&N, KCS, KCT, M&NE, M-I, RI, SFe
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A&LM, FDDM&S, KCS, KCT, M&NE, SFe
2 1/2 \times 1/4
                 rnd R
                                     stl (17) 44
21/2 \times 1/4
                                     stl (17) 45
                                                       A&LM, AD&N, CB, KCS, M&NE, SFe
                 rnd R
21/2 \times 1/4
                                     stl (17) 45:b
                                                      AD&N, SFe
                 rnd R
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                     stl (17) 46
                                                       A&LM, AD&N, KCS, M&NE, SFe
21/2 \times 1/4
                 rnd R
                                     stl (17) 47
                                                       AA, A&LM, AD&N, B&C(sh), E&LS, M&NE, PM,
                                                   StJ&LC(sh), SFe, Ver(sh), Wab
                                                       A&LM, AD&N, KCS
21/2 \times 1/4
                                     stl (17) 48
                 rnd R
                                                       AA, A\&LM, AD\&N, B\&C(sh), ChRi, CB, D\&MM(sh),
21/2 \times 1/4
                 rnd R
                                     stl (17) 49
                                                   E&LS, G&J(sh), KCS, KCT, M&LS(sh), SFe, TP&W,
                                                   Wab
                                                       A&LM, AD&N, KCS
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (17) 50
21/2 \times 1/4
                 rnd R
                                     stl (17)
                                               51
                                                       A&LM, AD&N, TP&W
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (17)
                                               52
                                                       A&LM, AD&N, KCS
                                                       A&LM, KCS, SFe
21/2 \times 1/4
                                         (17)
                                               53
                 rnd R
                                     \operatorname{stl}
                                                       A&LM, KCS
21/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                         (17)
                                               54
                                     stl (17) 55
                                                       A&LM, AD&N, KCS
21/2 \times 1/4
                 rnd R
                                         (17) 56
                                                       A&LM, AD&N, KCS, Tr&Gu
2 \ 1/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                                       A&LM, AD&N, KCS, Tr&Gu
21/2 \times 1/4
                 rnd R
                                     stl
                                         (17)
                                               57
21/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                         (17)
                                               58
                                                       A&LM, AD&N, KCS, Tr&Gu
                                     stl (17) 59
                                                       A&LM, AD&N, KCS
21/2 \times 1/4
                 rnd R
                                     stl (17)
21/2 \times 1/4
                                               60
                                                       A&LM, AD&N, KCS
                 rnd R
                                                       A&LM, AD&N, KCS, P&NW
21/2 \times 1/4
                                         (17)
                                               61
                 rnd R
                                     \operatorname{stl}
21/2 \times 1/4
                                         (17)
                                               62
                                                       A&LM, AD&N, KCS, P&NW
                 rnd R
                                     \operatorname{stl}
2 1/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                         (17)
                                               67
                                                       RSS
2 \ 1/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                         (17) 69
                                                       RSS
       \times 1/4
                                         (17)
                                               29
                                                       UP
                 rnd R
                                     \operatorname{stl}
                                                       BA&P(sh), UP
2
       \times 1/4
                 rnd R
                                     \operatorname{stl}
                                         (17)
                                               29:b
                                     stl (17)
2
                                               30
                                                       B&G(sh), O&NW(sh), UP
       \times 1/4
                 rnd R
2
       \times 1/4
                 rnd R
                                     stl (17)
                                               31
                                                       UP
2
                                     stl (17)
                                               32
                                                       B\&G(sh), O\&NW(sh), UP
       \times 1/4
                 rnd R
2
       \times 1/4
                 rnd R
                                     \operatorname{stl}
                                         (17)
                                               33
                                                       UP
2
       \times 1/4
                 rnd R
                                     stl (17)
                                               36
                                                       FDDM&S, UP
1 \ 3/4 \ \times \ 1/4
                 rnd R
                                     \operatorname{stl}
                                         (17) 30
                                                       C&NW
13/4 \times 1/4
                                         (17)
                                               30:b
                                                       C&NW
                 rnd R
                                     \operatorname{stl}
                                         (17)
       \times 1/4
                 rnd R
                                     \operatorname{stl}
                                               31
                                                       MKT
1
                                     stl (17)
                                               31:b
                                                       MKT
1
       \times 1/4
                 rnd R
1
       \times 1/4
                 rnd R
                                     stl (17)
                                               32
                                                       MKT
       \times 1/4
                 rnd R
                                     stl (17)
                                               35
                                                       GB&W(sh), MKT
1
21/2 \times 1/4
                                     stl (17)
                                                       SFe
                 sqr R
                                               40
                                                       SFe
21/2 \times 1/4
                                     stl (17)
                                               41
                 sqr R
                                               42
                                                       SFe
                                     stl (17)
21/2 \times 1/4
                 sqr R rs
                                     stl (17)
21/2 \times 1/4
                 sqr R rs
                                               44
                                     stl (17)
                                                       A&LM, AD&N, SFe
21/2 \times 1/4
                 sqr R rs
                                               45
                                     stl (17)
2 1/2 \times 1/4
                 sqr R rs
                                               46
                                                       SFe
21/2 \times 1/4
                                     stl (17)
                                               47
                                                       SFe
                 sqr R rs
                                     stl (17)
                                               49
                                                       CB, SFe
21/2 \times 1/4
                 sqr R rs
21/2 \times 1/4
                                     stl (17)
                                               53
                                                       SFe
                 sqr R rs
                                     stl (17)
                                               40
                                                       SFe
21/2 \times 1/4
                 pnt R rs
                                                       SFe
                                     stl (17) 40:b
21/2 \times 1/4
                 pnt R rs
2 \ 1/2 \times 1/4
                 pnt R rs
                                     stl (17) 40:c
                                                       SFe
21/2 \times 1/4
                                     stl (17)
                                               40:d
                                                       SFe
                 pnt R rs
                 pnt R rs
                                      stl (17)
                                               41
                                                       SFe
21/2 \times 1/4
                                                       SFe
                                      stl (17)
                                               42
21/2 \times 1/4
                 pnt R rs
                                      stl (17) 43
                                                       SFe
2 1/2 \times 1/4
                 pnt R rs
```

```
21/2 \times 1/4
                 pnt R rs
                                     stl (17) 43:b
                                                      SFe
2 \ 1/2 \times 1/4
                                     stl (17) 44
                                                       SFe
                 pnt R rs
21/2 \times 1/4
                 pnt R rs
                                     stl (17) 44:b
                                                      SFe
                                                       SFe
21/2 \times 1/4
                                     stl (17) 45
                 pnt R rs
21/2 \times 1/4
                                     stl (17) 46
                                                       SFe
                 pnt R rs
21/2 \times 1/4
                                     stl (17) 47
                                                       SFe
                 pnt R rs
2 \ 1/2 \times 1/4
                 pnt R rs
                                     stl (17) 49
                                                       SFe
21/2 \times 1/4
                 pnt R rs
                                     stl (17) 53
                                                      SFe
                                                      EP&SW
21/2 \times 1/4
                 dia I
                                     stl (18) 09
                                                      EP&SW, UP
21/2 \times 1/4
                                     stl (18) 10
                 sqr I
                                                      EP&SW, UP
21/2 \times 1/4
                                     stl (18) 11
                 sqr I
                                                      SLR, UP
21/2 \times 1/4
                 sqr I
                                     stl (18) 12
2 \ 1/2 \times 1/4
                 sqr I
                                     stl (18) 13
                                                      SLR, UP
                                                      SLR, UP
21/2 \times 1/4
                                     stl (18) 13:b
                 sqr I
21/2 \times 1/4
                                         (18) 14
                                                       UP
                 sqr I
                                     stl
                                                       SLR, UP
21/2 \times 1/4
                                     stl (18) 15
                 sqr I
21/2 \times 1/4
                                     stl (18) 19
                                                       UP, Utah
                 sqr I
                                                       SFe
21/2 \times 1/4
                 sqr I
                                     stl (18)
                                               26
2 \, 1/2 \, \times \, 1/4
                 sqr R
                                     stl
                                         (18)
                                               20
                                                       Utah
21/2 \times 1/4
                                     stl (18) 21
                                                       UP, Utah
                 sqr R
21/2 \times 1/4
                                     stl (18) 22
                                                       UP, Utah
                 sqr R
21/2 \times 1/4
                                     stl (18)
                                               23
                                                       UP, Utah
                 sqr R
                                                       NN, UP, Utah
                                         (18)
21/2 \times 1/4
                                     stl
                                               24
                 sqr R
2 \ 1/2 \ \times \ 1/4
                                                       SLR, UP, Utah
                                         (18)
                                               25
                                     stl
                 sqr R
                                                       SLR, UP, Utah
2 \ 1/2 \times 1/4
                 sqr R
                                     stl
                                         (18)
                                               26
                                                       UP, Utah
2 \ 1/2 \times 1/4
                 sqr R
                                     stl (18)
                                               27
21/2 \times 1/4
                                     stl
                                         (18)
                                               28
                                                       UP, Utah
                 sqr R
                                     stl (18)
                                               29
                                                       Utah
21/2 \times 1/4
                 sqr R
                                         (18) 30
                                                       SFe, Utah
21/2 \times 1/4
                                     stl
                 sqr R
                                     stl (18)
21/2 \times 1/4
                                               31
                                                       SFe, Utah
                 sqr R
                 sqr R
                                                       SFe, Utah
21/2 \times 1/4
                                     stl
                                         (18)
                                               32
                                                       SFe, Utah
2 \ 1/2 \times 1/4
                 sqr R
                                     stl
                                         (18)
                                               33
21/2 \times 1/4
                 sqr R
                                     stl
                                         (18)
                                               33:b
                                                       SFe
2 \ 1/2 \times 1/4
                                     stl
                                         (18)
                                               34
                                                       SFe, Utah
                 sqr R
                                         (18)
                                                       Utah
21/2 \times 1/4
                 sqr R
                                     stl
                                               35
                                                       B&G, Utah
21/2 \times 1/4
                                     stl
                                         (18)
                                               36
                 sqr R
2 1/2 \times 1/4
                                                       Utah
                                     stl (18) 37
                 sqr R
                                     stl (18) 38
21/2 \times 1/4
                                                       SFe, Utah
                 sqr R
2\ 1/2\ 	imes\ 1/4
                                                       SFe, Utah
                 sqr R
                                     stl (18)
                                               39
21/2 \times 1/4
                 sqr R
                                     stl (18)
                                              40
                                                       Utah
                                     stl (18) 41
                                                       Utah
21/2 \times 1/4
                 sqr R
2 \ 1/2 \ \times \ 1/4
                                                       SFe
                                     stl (18) 44
                 sqr R
                                                       SFe
21/2 \times 1/4
                                     stl (18)
                                               45
                 sqr R
                                                       SFe, Utah
21/2 \times 1/4
                                     stl
                                         (18)
                                               46
                 sqr R
                                                       SFe, Utah
21/2 \times 1/4
                 sqr R
                                     stl (18)
                                              47
21/2 \times 1/4
                 sqr R
                                     stl (18) 48
                                                       SFe, Utah
21/2 \times 1/4
                 sqr R
                                     stl (18)
                                               49
                                                       Utah
                                     stl (18)
                                                       SFe
21/2 \times 1/4
                                               50
                 sqr R
2 \ 1/2 \times 1/4
                                     stl (18) 51
                                                       SFe
                 sqr R
                                         (18) 52
                                                       SFe
2 \, 1/2 \, \times \, 1/4
                                     stl
                 sqr R
21/2 \times 1/4
                                     stl (18)
                                                       SFe
                 sqr R
                                              54
2 1/2 \times 1/4
                 sqr R
                                     stl (18)
                                               55
                                                       SFe
21/2 \times 1/4
                                     stl (18) 56
                                                       SFe
                 sqr R
```

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2 \ 1/2 \times 1/4
                sqr R
                                    stl (18) 58
                                                     SFe
                                    stl (18) 59
                                                     SFe
2 1/2 \times 1/4
                 sqr R
                                                     SLR, SP, UP
2 1/2 \times 1/4
                 rnd I
                                    stl (18A) 5
                                    stl (18A) 07
                                                     SLR, UP
2 1/2 \times 1/4
                 rnd I
2 \ 1/2 \times 1/4
                 rnd I
                                    stl (18A) 08
                                                     EP&SW, OSL, SLR, SP, UP
21/2 \times 1/4
                 rnd I
                                    stl (18A) 8
                                                     EP&SW, SP, UP
21/2 \times 1/4
                                    stl (18A) 09
                                                     EP&SW, SLR, SP, UP
                 rnd I
21/2 \times 1/4
                                    stl (18A) 10
                                                     EP&SW, SLR, SP, UP
                 rnd I
21/2 \times 1/4
                                    stl (18A) 11
                                                     SP
                 rnd I
                                                     SP
21/2 \times 1/4
                 rnd I
                                    stl (18A) 20
                                    stl (18A) 21
                                                     SP
21/2 \times 1/4
                 rnd I
21/2 \times 1/4
                 rnd I
                                    stl (18A) 22
                                                     SP
21/2 \times 1/4
                 rnd I
                                    stl (18A) 23
                                                     SP
2 1/2 \times 1/4
                                                     CAM(sh), SFe, SP
                 rnd I
                                    stl (18A) 24
21/2 \times 1/4
                                    stl (18A) 25
                                                     SFe, SP
                 rnd I
                                                     SFe
21/2 \times 1/4
                 rnd I
                                    stl (18A) 26
                                                     SP
      \times 1/4
                                    stl (18A) 20
                 rnd I
                                                     C&S
1 \, 3/4 \, \times \, 1/4 + \, \text{rnd R}
                                    stl (18A) 18
2 \ 1/2 \times 1/4
                 rnd R
                                    stl (18A) 22
                                                     B&G
21/2 \times 1/4
                 rnd R
                                    stl (18A) 24
                                                     B&G(sh), SP, Utah
2 \ 1/2 \times 1/4
                                    stl (18A) 25
                                                     B&G(sh), Utah
                 rnd R
2 \ 1/2 \times 1/4
                                    stl (18A) 29
                                                     KCM&O, SFe
                 rnd R
21/2 \times 1/4
                                    stl (18A) 34
                                                     SN, TS, Utah
                 rnd R
                                                     UP
                                    stl (18A) 24
2
      \times 1/4
                 rnd R
2
       \times 1/4
                 rnd R
                                    stl (18A) 25
                                                     UP
2
       \times 1/4
                 rnd R
                                    stl (18A) 26
                                                     UP
2
       \times 1/4
                                    stl (18A) 28
                                                     UP
                 rnd R
                                                     NN
2 1/2 \times 1/8 + \text{ rnd R gm}
                                    stl (18A) 28
2.1/2 \times 1/8 + \text{ rnd R gm}
                                    stl (18A) 29
                                                     NN
                                                     UP
21/2 \times 1/4
                 rnd I
                                    stl (18B) 4
21/2 \times 1/4
                 rnd I
                                    stl (18B) 05
                                                     SP
2 \ 1/2 \times 1/4
                 rnd I
                                    stl (18B) 5
                                                     SLR, UP
2 \ 1/2 \ \times \ 1/4
                                    stl (18B) 06
                                                     SP
                 rnd I
                                    stl (18B) 6
                                                     SLR, UP
21/2 \times 1/4
                 rnd I
                                    stl (18B) 6
                                                     OSL, UP
21/2 \times 1/4
                 rnd I
                                                     CAM(sh), EP&SW, UP
21/2 \times 1/4
                 rnd I
                                    stl (18B) 08
                                                     SP
21/2 \times 1/4
                 rnd I
                                    stl (18B) 18
21/2 \times 1/4
                 rnd I
                                    stl (18B) 25
                                                     SFe
21/2 \times 1/4
                                    stl (18B) 26
                                                     Frisco(sh), SFe
                 rnd I
                                    stl (18B) 27
                                                     Utah
21/2 \times 1/4
                 rnd I
                                    stl (18B) 28
                                                     T&P
21/2 \times 1/4
                 rnd I
                                                     T&P, TPTNO
21/2 \times 1/4
                                    stl (18B)
                                                29
                 rnd I
                                    stl (18B)
                                               31
                                                     TC&GB
2 \ 1/2 \times 1/4
                 rnd I
                                                     TC&GB
2 \ 1/2 \times 1/4
                 rnd I
                                    stl (18B) 32
2 \ 1/2 \times 1/4
                 rnd I
                                    stl (18B) 33
                                                     T&P
2 \ 1/2 \times 1/4
                                    stl (18B) 34
                                                     T&P
                 rnd I
                                                     T&P, TPTNO, TC&GB
21/2 \times 1/4
                                    stl (18B)
                                               35
                 rnd I
                                                     TPTNO
                                    stl (18B) 36
21/2 \times 1/4
                 rnd I
                                    stl (18B) 41
                                                     GN
21/2 \times 1/4
                 rnd I
                        hs
                                                     SLR
2 1/2 \times 1/8 + \text{ rnd I}
                        gm
                                    stl (18B) 21
1
      \times 1/8+ rnd I hs gm
                                    stl (18B) 8
                                                     \operatorname{Tr}
       \times 1/8+ rnd I hs gm
                                    stl (18B) 9
                                                     \operatorname{Tr}
1
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1 \, 3/4 \, \times \, 1/4 + \, \text{rnd R}
                                       stl (18B) 16
                                                         C&S
1 3/4 \times 1/4 + \text{rnd R}
                                                         C\&S
                                       stl (18B)
                                                  17
2 \ 1/2 \ \times \ 1/4
                                       stl (18B)
                                                  21
                                                         L&N
                  rnd R
                                       stl (18B) 21:b SLR, UP
21/2 \times 1/4
                  rnd R
2 \ 1/2 \times 1/4
                                       stl (18B) 22
                                                         L&N
                  rnd R
2 \ 1/2 \times 1/4
                  rnd R
                                       stl (18B)
                                                   25
                                                         SFe(sh), Soo, SP, SP-M
21/2 \times 1/4
                  rnd R
                                       stl (18B) 26
                                                         AC&Y(sh), B&G(sh), Frisco(sh), O&NW(sh), SFe,
                                                     SP&S, Utah
                                                         B&G(sh), FW&DC, GW(sh), SN, Utah
21/2 \times 1/4
                  rnd R
                                       stl (18B) 27
                                       stl (18B) 28
                                                         B&G(sh), CB&Q(sh), C&S, FW&DC, GW(sh),
21/2 \times 1/4
                  rnd R
                                                     KCM&O, SN, SFe, Utah, War(sh)
                                                         B&G(sh), CB&Q(sh), C&S, FW&DC, GW(sh),
21/2 \times 1/4
                  rnd R
                                       stl (18B) 29
                                                     KCM&O, SN, SFe, Utah
2 \ 1/2 \times 1/4
                  rnd R
                                       stl (18B) 30
                                                         B&G(sh), FW&DC, SN, TS, Utah
                                                         FW&DC, MoPac, SN, SFe, SP-W, TS, Tr, UP, Utah
21/2 \times 1/4
                  rnd R
                                       stl (18B) 31
                                                         MoPac, SN, SLG&W(sh), SFe, TS, Tr, TC&GB, Utah
21/2 \times 1/4
                  rnd R
                                       stl (18B) 32
                                                         B&G(sh), GW(sh), MoPac, SN, SLG&W(sh), SFe,
                                       stl (18B) 33
21/2 \times 1/4
                  rnd R
                                                     TC&GB, Utah
                                                         B&G(sh), BA&P(sh), GN, SLG&W(sh), SFe, TC&GB,
21/2 \times 1/4
                  rnd R
                                       stl (18B) 34
                                                     Utah
21/2 \times 1/4
                  rnd R
                                       stl (18B) 35
                                                         B&G(sh), BA&P(sh), FDDM&S, GN, MoPac, SN,
                                                     SLG&W(sh), SFe(sh), TS, Tr, TC&GB, Utah
                                                         B&G(sh), BA&P(sh), SN, SLG&W(sh), SFe, TS, Tr,
21/2 \times 1/4
                                       stl (18B) 36
                  rnd R
                                                     TC&GB, Utah
                                                         UP
2
                                       stl (18B)
                                                   24
       \times 1/4
                  rnd R
                                                         UP
2
       \times 1/4
                  rnd R
                                       stl (18B) 25
                                                         UP
2
       \times 1/4
                  rnd R
                                       stl (18B) 26
2
       \times 1/4
                  rnd R
                                           (18B)
                                                   27
                                                         UP
                                       \operatorname{stl}
2
                                       stl (18B) 28
                                                         UP, Utah(sh)
                  rnd R
       \times 1/4
2
                                                         B&G(sh), UP, Utah(sh)
       \times 1/4
                  rnd R
                                       stl (18B) 29
                                                         CB&Q(sh), C&S, War(sh)
                                       stl (18B) 30
2
       \times 1/4
                  rnd R
                                                         O&NW(sh), UP, Utah(sh)
       \times 1/4
                  rnd R
                                       \operatorname{stl}
                                           (18B)
                                                  35
                                       \operatorname{stl}
1 \, 1/2 \, \times \, 1/4
                  rnd R
                                           (18B) 30
                                                         D&RGW
2 \ 1/2 \times 1/5
                  rnd R gm
                                       \operatorname{stl}
                                           (18B) 36
                                                         SP-T, Ver(sh)
21/2 \times 3/16 rnd R gm
                                           (18B)
                                                  16
                                                         SP
                                       \operatorname{stl}
                                                   25
                                                         SP-W
2.1/2 \times 3/16 rnd R gm
                                       \operatorname{stl}
                                           (18B)
                                                         SP-W
                                       stl (18B) 26
2.1/2 \times 3/16 rnd R gm
                                       stl (18B) 27
                                                         FW&DC, SP-W
2.1/2 \times 3/16 rnd R gm
                                                         SP-W
2 \frac{1}{2} \times \frac{3}{16} rnd R gm
                                       stl (18B) 28
2 \frac{1}{2} \times \frac{3}{16} rnd R gm
                                       \operatorname{stl}
                                           (18B)
                                                   29
                                                         SP-W
21/2 \times 3/16 rnd R gm
                                       \operatorname{stl}
                                           (18B)
                                                   30
                                                         SP-W
                                                   30:b SP-W
                                           (18B)
21/2 \times 3/16 rnd R gm
                                       stI
                                       stl (18B)
                                                   34
                                                         SP-W, Tr
2.1/2 \times 3/16 rnd R gm
                                                         SP-W
                                       stl (18B)
                                                   35
2.1/2 \times 3/16 rnd R gm
                                       stl (18B)
                                                   30
                                                         NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                                         B&G, NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                       stl (18B)
                                                  31
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                       stl (18B)
                                                   32
                                                         NN
2 1/2 \times 1/8 + \text{ rnd R}
                                       stl (18B)
                                                   33
                                                         NN
                                                         NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                       stl (18B)
                                                   34
                                                         NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                       stl (18B)
                                                   35
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                           (18B) 36
                                                         NN
                                       stl
                                                         SP
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R gm}
                                       \operatorname{stl}
                                           (18B)
                                                   17
21/2 \times 1/8 + \text{ rnd R gm}
                                       stl (18B) 18
                                                         SP
21/2 \times 1/8 + \text{ rnd R gm}
                                       stl (18B) 20
                                                         SP
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2.1/2 \times 1/8 + \text{ rnd R gm}
                                     stl (18B) 21
                                                       SP
2 1/2 \times 1/8 + \text{ rnd R gm}
                                     stl (18B) 22
                                                       NN, SP, Tr
2 1/2 \times 1/8 + \text{ rnd R gm}
                                     stl (18B) 23
                                                      NN, SP
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R gm}
                                     stl (18B) 23:b SP, Tr
21/2 \times 1/8 + \text{ rnd R gm}
                                     stl (18B) 24
                                                       NN, SP
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R gm}
                                     stl (18B) 24:b SP, Tr
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R gm}
                                     stl (18B) 24:c SP
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R gm}
                                     stl (18B) 25
                                                       NN, SP, Tr
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R gm}
                                                      NN, Tr
                                     stl (18B) 26
                                                      NN, Tr
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R gm}
                                     stl (18B) 27
2~1/2~\times~1/8+~\mathrm{rnd}~\mathrm{R}~\mathrm{gm}
                                     stl (18B) 28
                                                      \operatorname{Tr}
2~1/2~\times~1/8+~\mathrm{rnd}~\mathrm{R}~\mathrm{gm}
                                     stl (18B) 29
                                                       Tr
2 \times 1/8 + \text{rnd R gm}
                                     stl (18B) 24
                                                       SP
2 \ 1/2 \times 1/4
                 pnt R rs
                                     stl (18B) 36
                                                       SFe
2 \ 1/2 \times 1/4
                 rnd I
                                     stl (18C) 37
                                                       T&P
21/2 \times 1/4
                                                       SFe(sh), T&P, TPTNO
                 rnd I
                                     stl (18C) 40
21/2 \times 1/4
                 rnd I
                                     stl (18C) 41
                                                       SFe(sh), T&P, TPTNO
2 \ 1/2 \times 1/4
                                     stl (18C) 43
                                                       TC&GB
                 rnd I
2 1/2 \times 1/4
                 rnd I
                                     stl (18C) 59
                                                      SMV
       \times 1/4
2
                 rnd I
                                     stl (18C) 49
                                                      PD
2
       \times 1/4
                 rnd I
                                     stl (18C) 50
                                                      PD
2
       \times 1/4
                 rnd I
                                     stl (18C) 52
                                                       OP&E
2
       \times 1/4
                                     stl (18C) 53
                                                       OP&E
                 rnd I
2
       \times 1/4
                 rnd I
                                     stl (18C) 59
                                                      SMV
2
                                     stl (18C) 68
                                                      S-BC
       \times 1/4
                 rnd I
                                                      S-BC
2
       \times 1/4
                 rnd I
                                     stl (18C) 69
21/2 \times 1/4
                 rnd R
                                     stl (18C) 36
                                                      BA&P(sh), GN, SFe
                                                      B&G(sh), BA&P(sh), GN, MoPac, SN, SLG&W(sh),
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                     stl (18C) 37
                                                   SFe, Tr, TC&GB, Utah
21/2 \times 1/4
                                     stl (18C) 38
                                                       B&G(sh), SN, TS, Tr, TC&GB, Utah
                 rnd R
                                     stl (18C) 39
21/2 \times 1/4
                                                      B&G(sh), SN, SLG&W(sh), SFe, TS, Tr, TC&GB,
                 rnd R
                                                      B&G(sh), SN, TS, Tr, TC&GB, Utah
21/2 \times 1/4
                 rnd R
                                     stl (18C) 40
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (18C) 41
                                                      B&G(sh), M-I, SN, SLG&W(sh), T&P, TS, Tr,
                                                   TC&GB, Utah
                                                      B&G(sh), SFe(sh), T&P, TPTNO, Utah
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                     stl (18C) 42
                                                      B&G(sh), DT&I(sh), SFe(sh), T&P, TPTNO, Utah
21/2 \times 1/4
                 rnd R
                                     stl (18C) 43
21/2 \times 1/4
                 rnd R
                                     stl (18C) 44
                                                      B&G(sh), SN, SLG&W(sh), SFe, T&P, TPTNO,
                                                   TC&GB, Utah
21/2 \times 1/4
                 rnd R
                                     stl (18C) 45
                                                       Apac(sh), B&G(sh), F&C(sh), SN, SFe, SFe(sh),
                                                   Sie(sh), T&P, TPTNO, TC&GB, Utah
2 \ 1/2 \times 1/4
                                                      B&G(sh), SN, SFe, SFe(sh), T&P, TPTNO, TC&GB,
                 rnd R
                                     stl (18C) 46
                                                   Utah
21/2 \times 1/4
                                                      B&G(sh), F&C(sh), SFe, SFe(sh), Sie(sh), T&P,
                 rnd R
                                     stl (18C) 47
                                                   TPTNO, TC&GB, Utah
21/2 \times 1/4
                 rnd R
                                     stl (18C) 48
                                                    FDDM&S, SFe, SFe(sh), Sie(sh), T&P, TPTNO,
                                                   TC&GB, Utah
21/2 \times 1/4
                                     stl (18C) 49
                                                      FDDM&S, F&C(sh), SFe(sh), T&P, TPTNO, TC&GB,
                 rnd R
                                                   Utah
2 \, 1/2 \, \times \, 1/4
                                                       Apac(sh), SFe, TC&GB
                 rnd R
                                     stl (18C) 50
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                     stl (18C) 51
                                                       Alm, BA&P(sh), SFe, SI, TC&GB
21/2 \times 1/4
                 rnd R
                                     stl (18C) 52
                                                      SFe, TC&GB
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (18C) 52:b SFe
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2 \ 1/2 \times 1/4
                                      stl (18C) 53
                                                       TC&GB
                 rnd R
2 \ 1/2 \times 1/4
                                      stl (18C)
                                                       Apac(sh), SFe, SI, TC&GB
                 rnd R
                                                 54
                                                        Apac(sh), SFe, TC&GB
21/2 \times 1/4
                 rnd R
                                      stl (18C)
                                                 55
21/2 \times 1/4
                                      stl (18C) 56
                                                       TC&GB
                 rnd R
                                      stl (18C) 56:b SFe
2 \ 1/2 \times 1/4
                 rnd R
2 \ 1/2 \times 1/4
                 rnd R
                                      stl (18C) 57
                                                       SFe, TC&GB
2 \ 1/2 \ \times \ 1/4
                 rnd R
                                      stl (18C) 58
                                                        Alm, SFe, Sie(sh), TC&GB
                                                       Alm, SFe, TC&GB
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                      stl (18C) 59
21/2 \times 1/4
                                      stl (18C) 60
                                                       Alm, SFe, SMV, TC&GB
                 rnd R
                                                       Alm, SFe, SMV, TC&GB, USG
21/2 \times 1/4
                                      stl (18C) 61
                 rnd R
21/2 \times 1/4
                                      stl (18C) 62
                                                        Alm, MilRd, SFe, SMV, TC&GB
                 rnd R
                                                       SMV, TC&GB
21/2 \times 1/4
                 rnd R
                                      stl (18C) 63
21/2 \times 1/4
                 rnd R
                                      stl (18C) 64
                                                       SFe, SMV, TC&GB
21/2 \times 1/4
                 rnd R
                                      stl (18C) 65
                                                        TC&GB
21/2 \times 1/4
                                                        TC&GB
                 rnd R
                                      stl
                                          (18C)
                                                 66
21/2 \times 1/4
                                      stl (18C) 67
                                                       SFe, TC&GB
                 rnd R
                                      stl (18C) 68
                                                       SFe, TC&GB
2 \, 1/2 \, \times \, 1/4
                 rnd R
                                                        TC&GB
2 \ 1/2 \times 1/4
                 rnd R
                                      st1
                                          (18C)
                                                 69
                                                        TC&GB, USG
2 \ 1/2 \times 1/4
                 rnd R
                                      stl (18C)
                                                 70
2
       \times 1/4
                 rnd R
                                      stl (18C)
                                                 47
                                                       KC
2
                                      stl (18C) 48
                                                        Alm, KC
       \times 1/4
                 rnd R
                                                        Alm
2
       \times 1/4
                 rnd R
                                      stl (18C) 49
2
                                                        Alm, KC
       \times 1/4
                                      stl (18C) 50
                 rnd R
                                                        Alm, KC
2
       \times 1/4
                 rnd R
                                      stl (18C)
                                                 51
2
                                                        Alm, KC, SI
       \times 1/4
                 rnd R
                                      stl (18C) 52
2
       \times 1/4
                 rnd R
                                      stl (18C)
                                                 53
                                                        Alm
2
       \times 1/4
                                      stl (18C)
                                                 64
                                                        UP
                 rnd R
                                      stl (18C)
                                                 53
                                                       SI
1 \ 3/4 \times 1/4
                 rnd R
                                                        SI
                                      stl (18C) 54
13/4 \times 1/4
                 rnd R
1 \ 3/4 \ \times \ 1/4
                                      stl (18C) 55
                                                        SI
                 rnd R
                                      stl (18C) 49
                                                        SP-T
2 \, 1/2 \, \times \, 1/5
                 rnd R
                                                        SP-T, Ver(sh)
2 \ 1/2 \times 1/5
                 rnd R
                                      stl (18C)
                                                 50
2 \ 1/2 \times 1/5
                 rnd R
                                      stl (18C) 51
                                                        SP-T, Ver(sh)
21/2 \times 3/16
                 rnd R
                                      stl (18C) 53
                                                        S-BC
                                      stl (18C) 54
                                                        S-BC
21/2 \times 3/16
                 rnd R
                                                        S-BC
2 \frac{1}{2} \times \frac{3}{16} \text{ rnd R}
                                      stl (18C) 55
                                                        CCT(sh), SN(sh), SMV, SP-W, SP-W(bt)
                                      stl (18C) 39
2.1/2 \times 3/16 rnd R gm
                                                        CCT(sh), SP-W
2.1/2 \times 3/16 rnd R gm
                                      stl (18C) 41
                                                        CCT(sh), SP-W, TC&GB
21/2 \times 3/16 rnd R gm
                                      stl (18C) 42
2 \frac{1}{2} \times \frac{3}{16} rnd R gm
                                      stl (18C) 42:b SP-W
1.1/2 \times 3/16 rnd R
                                      stl (18C) 54
                                                        SLG&W
                                      stl (18C) 37
                                                        NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                      stl (18C) 38
                                                        NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                                        NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                      stl (18C) 39
                                      stl (18C) 40
                                                        NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
2 \frac{1}{2} \times \frac{1}{8} + \text{rnd R}
                                      stl (18C) 41
                                                        NN
2 \frac{1}{2} \times \frac{1}{8} + \text{ rnd R}
                                      stl (18C) 42
                                                        NN
21/2 \times 1/4
                                      stl (18C) 39
                                                        SFe
                 pnt R rs
21/2 \times 1/4
                                      stl (18C) 45
                                                        SFe
                  pnt R rs
                                      stl (18C) 46
                                                        SFe
21/2 \times 1/4
                  pnt R rs
21/2 \times 1/4
                                      stl (18C) 47
                                                        SFe
                 pnt R rs
2 \ 1/2 \times 1/4
                 pnt R rs
                                      stl (18C) 48
                                                        SFe
21/2 \times 1/4
                 pnt R rs
                                      stl (18C) 50
                                                        3Fe
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2 \ 1/2 \times 1/4
                   pnt R rs
                                         stl (18C) 51
                                                            SFe, SI
2 \, 1/2 \, \times \, 1/4
                                         stl (18C) 52
                                                            SFe
                   pnt R rs
2 \ 1/2 \ \times \ 1/4
                                                            SFe
                   pnt R rs
                                         stl (18C) 54
                                                            SFe
21/2 \times 1/4
                                         stl (18C) 55
                   pnt R rs
21/2 \times 1/4
                                         stl (18C) 57
                                                            SFe
                   pnt R rs
2 \, 1/2 \, \times \, 1/4
                   pnt R rs
                                         stl (18C) 58
                                                            SFe
2 \ 1/2 \times 1/4
                   pnt R rs
                                         stl (18C) 59
                                                            SFe
2 \frac{1}{2} \times \frac{1}{4} + \text{rnd R}
                                         stl (19) 67
                                                            RF&P
2 \ 1/2 \times 1/4
                                                            BS
                                         stl (19) 34
                   rnd R
2 \ 1/2 \times 1/4
                   rnd R
                                         stl (19)
                                                   35
                                                            BS, GM&N
                                         stl (19) 36
                                                            BS, GM&N, Tr&Gu
2 \ 1/2 \times 1/4
                   rnd R
2 \, 1/2 \, \times \, 1/4
                   rnd R
                                         stl (19) 37
                                                            GM&N, MisCe
21/2 \times 1/4
                   rnd R
                                         stl (19) 37:b
                                                            Tr\&Gu
2 \ 1/2 \times 1/4
                                                            GM&N, Tr&Gu
                   rnd R
                                         stl (19)
                                                   38
                                                            CB, TC, TPTNO(sh), Tr&Gu
2 \ 1/2 \times 1/4
                   rnd R
                                         stl (19) 39
21/2 \times 1/4
                                             (19) 40
                                                            CB, TC
                   rnd R
                                         \operatorname{stl}
                                                            L\&N(p), TC
2 1/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (19) 41
                                                            L&N(p), TC
2 \ 1/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (19) 42
2 \ 1/2 \times 1/4
                   rnd R
                                         stl (19) 43
                                                            Cli, TC
21/2 \times 1/4
                                         stl (19) 43:b
                                                            TC
                   rnd R
21/2 \times 1/4
                                         stl (19) 44
                                                            Cli, TC
                   rnd R
21/2 \times 1/4
                                                            TC
                   rnd R
                                         stl (19) 45
21/2 \times 1/4
                                         stl (19) 46
                                                            CSS&SB(sh), NC&StL, P&N, RF&P(sh), TC
                   rnd R
                                             (19) 47
                                                            CSS&SB(sh), NC&StL, TC
21/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
2 \ 1/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (19) 48
                                                            TC
2 \ 1/2 \times 1/4
                                         \operatorname{stl}
                                             (19) 50
                                                            TC
                   rnd R
2 \ 1/2 \times 1/4
                                         stl (19) 51
                                                            BS, KCS, TC
                   rnd R
                                         stl (19) 52
                                                            BS, TC
2 1/2 \times 1/4
                   rnd R
21/2 \times 1/4
                                         stl (19) 53
                                                            BS, TC
                   rnd R
2 \, 1/2 \, \times \, 1/4
                                         stl (19) 55
                                                            BS
                   rnd R
2 \, 1/2 \, \times \, 1/4
                   rnd R
                                         stl (19) 57
                                                            BS
21/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (19) 60
                                                            BS
2 \ 1/2 \times 1/4
                                             (19) 61
                                                            BS
                   rnd R
                                         \operatorname{stl}
                                                            BS
21/2 \times 1/4
                                             (19) 62
                   rnd R
                                         \operatorname{stl}
                                                            BS
21/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (19)
                                                    63
                                         stl (19) 65
                                                            BS
2 \, 1/2 \, \times \, 1/4
                   rnd R
                                             (19) 70
                                                            BS
2 \ 1/2 \times 1/4
                   rnd R
                                         \operatorname{stl}
2
        \times 1/4
                   rnd R
                                         stl (19) 37
                                                            TC
2
        \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (19)
                                                    37:b
                                                            L&N
2
        \times 1/4
                   rnd R
                                         stl (19) 38
                                                            A&StAB
2
                                                            FEC, L&N, P&N
                                             (19) 39
        \times 1/4
                   rnd R
                                         \operatorname{stl}
2
                                                            D&S
        \times 1/4
                   rnd R
                                         \operatorname{stl}
                                             (19) 39:b
2
                                                            L\&N
        \times 1/4
                                             (19) 39:c
                   rnd R
                                         \operatorname{stl}
2
                                         stl (19) 40
                                                            D&S, L&N(p)
        \times 1/4
                   rnd R
                                                            D&S, L&N(p), P&N, Tr&Gu
2
        \times 1/4
                   rnd R
                                         stl (19) 41
2
        \times 1/4
                   rnd R
                                         stl (19) 42
                                                            A&StAB, D&S, P&N, Tr&Gu
2
        \times 1/4
                                         stl (19) 43
                                                            A&StAB, Tr&Gu
                   rnd R
2
        \times 1/4
                                         stl (19) 44
                                                            Tr&Gu
                   rnd R
2
                                                            Tr&Gu
                                         stl (19) 45
        \times 1/4
                   rnd R
2
        \times 1/4
                                         stl (19) 47
                                                            TC
                   rnd R
2
        \times 1/4
                   rnd R
                                         stl (19)
                                                   49
                                                            A&StAB, TC
2
        \times 1/4
                   rnd R
                                         stl (19) 50
                                                            A&StAB
2
                                         stl (19) 51
                                                            A&StAB
        \times 1/4
                   rnd R
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\times 1/4
                                       stl (19) 52
                                                         A&StAB
                  rnd R
2
       \times 1/4
                  \operatorname{rnd}\, R
                                       stl (19) 53
                                                         A&StAB
13/4 \times 1/4
                                       stl (19) 54
                  rnd R
                                                         BS
1 \ 1/2 \times 1/4
                  rnd R
                                       stl (19) 37
                                                         BS
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (19) 37:b
                                                         BS
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (19) 38
                                                         BS
1 \ 1/2 \times 1/4
                  rnd R
                                       stl (19) 39
                                                         B\&C(sh), BS
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (19) 40
                                                         BS
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (19) 41
                                                         BS
1 \ 1/2 \ \times \ 1/4
                                       stl (19) 42
                                                         BS
                  rnd R
1 \ 1/2 \times 1/4
                                                         ACL, BS, GT
                  rnd R
                                       stl (19) 43
1 \ 1/2 \times 1/4
                                       stl (19) 44
                                                         BS
                  rnd R
11/2 \times 1/4
                                       stl (19) 45
                                                         BS
                  rnd R
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (19) 46
                                                         BS
1 \ 1/2 \ \times \ 1/4
                                                         BS
                  rnd R
                                       stl (19) 47
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (19) 48
                                                         BS
                  rnd R
                                       stl (19) 48:b
                                                         BS
1 \ 1/2 \times 1/4
                                       stl (19) 67
                                                         ACL, BS
1 \, 1/2 \, \times \, 1/4
                  rnd R
                                                         SP-T
2 1/2 \times 1/5
                                       stl (19) 47
                  rnd R gm
                                                         SP-T
2 1/2 \times 1/5
                                       stl (19) 48
                  rnd R gm
21/2 \times 1/4
                  rnd I
                                       stl (21) 40
                                                         LV, RV(sh)
2 \ 1/2 \times 1/4
                  rnd I
                                       stl (21)
                                                 41
                                                         LV, L&BR(sh), RV(sh)
21/2 \times 1/4
                                       stl (21)
                                                         LV, NYO&W(sh)
                  rnd I
                                                 42
                                       stl (21) 30
                                                         E&LS
2 \, 1/2 \, \times \, 1/4
                  rnd R
                                       stl (21) 35
                                                         L&WV
2 \ 1/2 \times 1/4
                  rnd R
2 \ 1/2 \times 1/4
                                       stl (21) 36
                                                         L&WV
                  rnd R
                                                         L&WV
21/2 \times 1/4
                  rnd R
                                       stl (21) 37
                  rnd R
2 \times 1/4
                                       stl (21)
                                                 36
                                                         GB&W
1 \, 1/2 \, \times \, 1/4
                                       stl (21)
                                                 35
                                                         D&M, GT
                  rnd R
1 \, 1/2 \, \times \, 1/4
                  rnd R
                                       stl (21)
                                                38
                                                         GB&W
11/2 \times 1/4
                                       stl (21) 39
                                                         GB&W
                  rnd R
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (21) 40
                                                         GB&W
                                       stl (21) 41
1 \, 1/2 \, \times \, 1/4
                  rnd R
                                                         GB&W
2 \ 1/2 \times 1/4
                                       stl (22) 21
                                                         L&N
                  rnd R
                                                         D&TSL
                                       stl (23) 35
1 \, 1/2 \, \times \, 1/4
                  rnd I
2 \, 1/2 \, \times \, 1/4
                  rnd R
                                       stl (23) 41
                                                         Soo
       \times 1/4
                                       stl (23)
                                                         SMV
2
                  rnd R
                                                41
2
       \times 1/4
                  rnd R
                                       stl (23)
                                                 42
                                                         SMV
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (23)
                                                 26
                                                         GT
                                       stl (23) 33
                                                         GT
1 \, 1/2 \, \times \, 1/4
                  rnd R
                                       stl (23) 34
                                                         GT
1 \, 1/2 \, \times \, 1/4
                  rnd R
                                       stl (23)
                                                         GT
1 \, 1/2 \, \times \, 1/4
                                                 34:b
                  rnd R
                                       stl (23)
                                                         D&TSL
1 \, 1/2 \, \times \, 1/4
                  rnd R
                                                 35
                                                         CV, StJ&LC(sh)
                                       stl (23) 40
11/2 \times 1/4
                  rnd R
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (23) 41
                                                         B&C, StJ&LC
11/2 \times 1/4
                  rnd R
                                       stl (23)
                                                42
                                                         B&C, StJ&LC
1 \ 1/2 \ \times \ 1/4
                  rnd R
                                       stl (23) 43
                                                         B&C, ChRi, StJ&LC
21/2 \times 1/4
                                       stl (24) 29
                                                         SP&S
                  rnd R
                                                         SP&S
21/2 \times 1/4
                                       stl (24) 31
                  rnd R
2 \ 1/2 \times 1/4
                  rnd R
                                       stl (24) 34
                                                         SB
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2 \ 1/2 \times 1/4
                    rnd R
                                           stl (24) 35
                                                              Soo, SB
21/2 \times 1/4
                                           stl (24)
                                                              Soo, SB
                    rnd R
                                                      36
21/2 \times 1/4
                                           stl (24)
                                                              DT(sh), SB
                    rnd R
                                                      37
                                           stl (24) 38
                                                              Soo, SB
21/2 \times 1/4
                    rnd R
21/2 \times 1/4
                                           stl (24)
                                                      39
                                                              Soo, SB
                    rnd R
21/2 \times 1/4
                    rnd R
                                           stl (24)
                                                      40
                                                              Soo
2 \ 1/2 \times 1/4
                    rnd R ss
                                           stl (24)
                                                      30
                                                              Bo&Al, B&M(sh)
                                           stl (24)
                                                      36
                                                              Erie(sh)
        \times 1/4
                    rnd R
11/2 \times 1/4
                    rnd R
                                               (24)
                                                      34
                                                              B&C, StJ&LC
                                           \operatorname{stl}
                                               (24)
                                                              B&C, StJ&LC
1 \ 1/2 \ \times \ 1/4
                                                      35
                    rnd R
                                           \operatorname{stl}
1 \ 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                               (24)
                                                      36
                                                              B&C, StJ&LC
1 \ 1/2 \ \times \ 1/4
                                           stl (24)
                                                      36:b
                                                              B&C, StJ&LC
                    rnd R
11/2 \times 1/4
                    rnd R
                                           stl (24)
                                                     37
                                                               B&C, StJ&LC
1 \ 1/2 \ \times \ 1/4
                    rnd R
                                           stl (24)
                                                      38
                                                              B&C, StJ&LC
1 \ 1/2 \ \times \ 1/4
                                           stl (24)
                                                              B&C, StJ&LC
                    rnd R
                                                      39
                                                              B&C, StJ&LC
11/2 \times 1/4
                    rnd R
                                           stl (24) 40
                                               (24)
                                                              GT
11/2 \times 1/4
                    rnd R cp
                                           stl
                                                      39
                                           stl (24)
                                                              SP-T
2 \ 1/2 \times 1/5
                    rnd R gm
                                                      34
                                           stl (24)
                                                              Big4(sh), Bo&Al, NYC(sh)
2 \ 1/2 \times 1/4
                    sqr R
                                                     31
21/2 \times 1/4
                    rnd R
                                           stI (25)
                                                      27
                                                              IC
                    rnd R
                                           stl (25)
                                                      28
                                                              IC
2 1/2 \times 1/4
                                           stl (25)
                                                              IC
21/2 \times 1/4
                                                      29
                    rnd R
                                                              IC
2 \ 1/2 \times 1/4
                    rnd R
                                           stI
                                               (25)
                                                      31
                                               (25)
                                                      32
                                                              IC
2 \, 1/2 \, \times \, 1/4
                    rnd R
                                           \operatorname{stl}
                                                              IC
2 \ 1/2 \times 1/4
                    rnd R
                                           stl
                                               (25)
                                                      33
                                                              IC
2 \ 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                               (25)
                                                      34
21/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                               (25)
                                                      35
                                                              IC
2 \ 1/2 \ \times \ 1/4
                                           stl (25)
                                                      36
                                                              IC
                    rnd R
                                           stl (25)
                                                              IC
21/2 \times 1/4
                    rnd R
                                                      37
                                                              IC
2 \ 1/2 \ \times \ 1/4
                                           stl (25)
                                                      38
                    rnd R
                                                              IC
21/2 \times 1/4
                                               (25)
                    rnd R
                                           \operatorname{stl}
                                                      39
2 \ 1/2 \ \times \ 1/4
                                                              IC
                    rnd R
                                           \operatorname{stl}
                                               (25)
                                                      40
2 \ 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                               (25)
                                                      41
                                                              IC
2 \ 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                               (25)
                                                      42
                                                              IC
21/2 \times 1/4
                                               (25)
                                                              IC, NYNH&H
                    rnd R
                                           \operatorname{stl}
                                                      43
2 \, 1/2 \, \times \, 1/4
                    rnd R
                                           stl (25)
                                                      44
                                                               CSS&SB(sh), IC
2 \ 1/2 \ \times \ 1/4
                                           stl (25)
                                                      44:b
                    rnd R
                                                              IC
                                           stl (25)
                                                               CSS&SB(sh), IC
2 \ 1/2 \times 1/4
                    rnd R
                                                      45
21/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                               (25)
                                                      46
                                                              IC
2 \ 1/2 \times 1/4
                    rnd R
                                           \operatorname{stl}
                                               (25)
                                                     47
                                                               C&O, IC
21/2 \times 1/4
                                               (25)
                                                      48
                                                               C&O, IC
                    rnd R
                                           \operatorname{stl}
2 \ 1/2 \times 1/4
                                           \operatorname{stl}
                                               (25)
                                                      49
                                                               IC
                    rnd R
21/2 \times 1/4
                                               (25)
                                                      50
                                                               IC
                    rnd R
                                           \operatorname{stl}
21/2 \times 1/4
                                               (25)
                                                      51
                                                               C&O, CSS&SB(sh)
                    rnd R
                                           \operatorname{stl}
                                           stl (25)
21/2 \times 1/4
                    rnd R
                                                      52
                                                               C&O
21/2 \times 1/4
                    rnd R
                                           stl (25)
                                                      53
                                                               C&O, Cli, C&G, E&LS, IC
21/2 \times 1/4
                    rnd R
                                           stl (25)
                                                      54
                                                               C&G
                                           stl (25)
                                                               C&G, E&LS, IC
21/2 \times 1/4
                    rnd R
                                                      55
2 \ 1/2 \ \times \ 1/4
                                               (25) 56
                                                               C&G, E&LS, IC
                    rnd R
                                           \operatorname{stl}
2 \, 1/2 \, \times \, 1/4
                    rnd R
                                           \operatorname{stl}
                                               (25)
                                                      56:b
                                                               C&G
2 \ 1/2 \ \times \ 1/4
                                           stl (25) 57
                                                               C&G, E&LS, IC
                    rnd R
21/2 \times 1/4
                    rnd R
                                           stl (25) 58
                                                               C&G, IC, M&SV
```

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2 \ 1/2 \times 1/4
                 rnd R
                                     stl (25) 59
                                                      CSS&SB(sh), C&G, IC
21/2 \times 1/4
                                     stl (25)
                                               60
                                                      C&G, IC
                 rnd R
                 rnd R
21/2 \times 1/4
                                     stl (25)
                                               61
                                                      IC
2 \ 1/2 \times 1/4
                                     stl (25)
                                               62
                                                      IC
                 rnd R
21/2 \times 1/4
                 rnd R
                                     stl (25)
                                               63
                                                      IC
2 \ 1/2 \times 1/4
                                     stl (25)
                 rnd R
                                               64
                                                      IC
1 \ 1/2 \times 1/4
                 rnd R
                                     stl (25)
                                               37
                                                      DW&P, GT
1 \ 1/2 \ \times \ 1/4
                 rnd R
                                     stl (25)
                                               50
                                                      Apac
1 \ 1/2 \times 1/4
                 rnd R
                                     \operatorname{stl}
                                         (25) 59
                                                      CSS&SB(sh)
1 \, 1/2 \, \times \, 1/4
                 rnd R cp
                                     stl (25) 38
                                                      DW&P, GT
1 \ 3/4 \times 3/16
                                     stl (25) 34
                                                      MilRd
                 rnd R gm
2 \ 1/2 \times 1/4
                 irr R ss
                                     stl (25) 41
                                                      NiPl
21/2 \times 1/4
                                                      MexPa
                 rnd R
                                     stl (31) 58
21/2 \times 1/4
                                     stl (31) 59
                                                      S-BC
                 rnd R
21/2 \times 1/4
                 rnd R
                                     stl (31) 60
                                                      S-BC
21/2 \times 1/4
                                     stl (31) 61
                                                      S-BC
                 rnd R
21/2 \times 1/4
                 rnd R
                                     stl (31) 62
                                                      S-BC
21/2 \times 1/4
                                     stl (31) 62:b
                                                      S-BC
                 rnd R
21/2 \times 1/4
                                     stl (31) 63
                                                      S-BC
                 rnd R
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (31) 65
                                                      S-BC
                                     stl (31) 73
2 \ 1/2 \times 1/4
                 rnd R
                                                      S-BC
21/2 \times 1/4
                                     stl (32) 68
                                                      S-BC
                 rnd I
21/2 \times 1/4
                 rnd R
                                     stl (32)
                                               66
                                                      Pac, S-BC
2 \ 1/2 \ \times \ 1/4
                                     stl (32) 66:b
                                                      S-BC
                 rnd R
21/2 \times 1/4
                 rnd R
                                     stl (32) 68
                                                      Pac, S-BC
2 \ 1/2 \ \times \ 1/4
                                     stl (32)
                                                      Pac, S-BC
                 rnd R
                                               68:b
21/2 \times 1/4
                                                      Pac, S-BC
                 rnd R
                                     stl (32)
                                               69
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (32)
                                               69:b
                                                      S-BC
21/2 \times 1/4
                                     stl (32)
                 rnd R
                                               70
                                                      Pac, S-BC
21/2 \times 1/4
                 rnd R
                                     stl (32)
                                               72
                                                      S-BC
21/2 \times 1/4
                                     stl (32)
                                               72:b
                                                      S-BC
                 rnd R
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (32) 72:c
                                                      S-BC
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (32) 72:d
                                                      S-BC
                                                      Pac, S-BC
2 \ 1/2 \times 1/4
                 rnd R
                                     stl (32) 74
21/2 \times 1/4
                                         (32) 74:b
                                                      Pac, S-BC
                 rnd R
                                     \operatorname{stl}
21/2 \times 1/4
                                     stl (32) 74:c
                                                      S-BC
                 rnd R
21/2 \times 1/4
                                     stl (32) 76
                                                      Pac, S-BC
                 rnd R
                                     stl (32) 76:b
2 1/2 \times 1/4
                 rnd R
                                                      Pac, S-BC
21/2 \times 1/4
                                     stl (32) 76:c
                                                      S-BC
                 rnd R
21/2 \times 1/4
                 rnd R ts
                                     stl (37) 70
                                                      MeC
2 \ 1/2 \times 1/4
                 rnd R ts
                                     stl (37) 71
                                                      MeC
21/2 \times 1/4
                 rnd R ts
                                     stl (37) 72
                                                      MeC
2 \ 1/2 \times 1/4
                                     stl (37) 73
                 rnd R ts
                                                      MeC
2 \ 1/2 \times 1/4
                                     stl (37) 74
                                                      MeC
                 rnd R ts
21/2 \times 1/4
                                     stl (37) 75
                 rnd R ts
                                                      MeC
2 \ 1/2 \times 1/4
                 rnd R ts
                                     stl (37) 76
                                                      MeC
1 \ 1/2 \ \times \ 1/4
                 rnd R ts
                                     stl (37)
                                               61
                                                      AC&HB, CN, DW&P, GT, GT(p), TH&B
1 \ 1/2 \ \times \ 1/4
                 rnd R ts
                                     stl (37) 62
                                                      AC&HB, CN, DW&P, TH&B, Ver(sh)
                                     stl (37) 63
                                                      AC&HB, CN, DW&P
1 \ 1/2 \times 1/4
                 rnd R ts
1 \ 1/2 \times 1/4
                 rnd R ts
                                     stl (37) 64
                                                      AC&HB, B&M(sh), CN
1 \, 1/2 \, \times \, 1/4
                                     stl (37) 65
                                                      AC&HB, CN, DW&P
                 rnd R ts
```

```
1 \ 1/2 \times 1/4
                 rnd R ts
                                    stl (37) 66
                                                     AC&HB, CN, DW&P
11/2 \times 1/4
                 rnd R ts
                                    stl (37) 67
                                                     AC&HB, CN, DW&P
1 \, 1/2 \, \times \, 1/4
                 rnd R ts
                                    stl (37)
                                              68
                                                      AC&HB, CN, DW&P
11/2 \times 1/4
                                    stl (37)
                 rnd R ts
                                              69
                                                     AC&HB
1 \, 1/2 \, \times \, 1/4
                 rnd R ts
                                    stl (37)
                                              70
                                                     AC&HB
1 \, 1/2 \, \times \, 1/4
                                    stl (37)
                                                     AC&HB
                 rnd R ts
                                              71
1 \ 1/2 \ \times \ 1/4
                 rnd R ts
                                    stl (37)
                                              72
                                                      AC&HB
1 \ 1/2 \ \times \ 1/4
                 rnd R ts
                                    stl (37)
                                              73
                                                     AC&HB
1 \, 1/2 \, \times \, 1/4
                 rnd R ts
                                    stl (37) 74
                                                      AC&HB
1 \, 1/2 \, \times \, 1/4
                 rnd R ts
                                    stl (37) 75
                                                     AC&HB
11/2 \times 1/4
                                    stl (37)
                                              76
                                                      AC&HB
                 rnd R ts
                 rnd R ts
                                    stl (37)
1 \ 1/2 \ \times \ 1/4
                                              77
                                                      AC&HB
                                    stl (37)
11/2 \times 1/4
                 rnd R ts
                                              78
                                                      AC&HB, ON
                                    stl (37)
11/2 \times 1/4
                 rnd R ts
                                              79
                                                      AC&HB
11/2 \times 1/4
                 rnd R ts
                                    stl (37)
                                              80
                                                      AC&HB, ON
1 \ 1/2 \ \times \ 1/4
                 rnd R ts
                                    stl (37)
                                              82
                                                      AC&HB, ON
                                    stl (37)
                                              58
                                                     AC&HB, DW&P, TH&B, Ver(sh)
1 \, 1/2 \, \times \, 1/5
                 rnd R ts
1 \, 1/2 \, \times \, 1/5
                                    stl (37) 59
                                                      AC&HB, CN, DW&P, TH&B, Ver(sh)
                 rnd R ts
                                    stl (37)
                                                      AC&HB, CN, DW&P, TH&B
1 \ 1/2 \ \times \ 1/5
                                              60
                 rnd R ts
1 \ 1/2 \ \times \ 1/5
                 rnd R ts
                                    stl (37)
                                              61
                                                      AC&HB
21/2 \times 1/4
                 rnd R os cp
                                    stl (38)
                                                      CP, CP(p)
21/2 \times 1/4
                                    stl (38)
                                              27
                                                      CP
                 rnd R os cp
21/2 \times 1/4
                                    stl (38)
                                              28
                                                      CP
                 rnd R os cp
21/2 \times 1/4
                 rnd R os cp
                                    stl (38)
                                              29
                                                      CP
                                                      CP, CP(p)
21/2 \times 1/4
                 rnd R os cp
                                    stl (38)
                                              30
21/2 \times 1/4
                 rnd R os cp
                                    stl (38)
                                              31
                                                      CP
21/2 \times 1/4
                 rnd R os cp
                                    \operatorname{stl}
                                        (38)
                                              35
                                                      CP
11/2 \times 1/4
                                    stl (38)
                                              25
                                                      CN
                 rnd R
                                    stl (38)
                                                      TH&B
11/2 \times 1/4
                 rnd R cp
                                              49
                                                      AC&HB, TH&B
11/2 \times 1/4
                 rnd R cp
                                    stl (38)
                                              50
                                                      AC&HB, TH&B, Ver(sh)
1 \, 1/2 \, \times \, 1/4
                                     stl (38)
                 rnd R cp
                                              51
                                                      AC&HB, TH&B
1 \ 1/2 \ \times \ 1/4
                 rnd R cp
                                     stl (38)
                                              52
1 \, 1/2 \, \times \, 1/4
                 rnd R cp
                                     stl (38)
                                              53
                                                      AC&HB, TH&B
1 \ 1/2 \ \times \ 1/4
                 rnd R cp
                                     stl (38)
                                              54
                                                      AC&HB, TH&B, Ver(sh)
11/2 \times 1/4
                                                      AC&HB, TH&B, Ver(sh)
                                     stl (38)
                                              55
                 rnd R cp
1 \ 1/2 \ \times \ 1/4
                                     stl (38)
                                                      AC&HB, TH&B, Ver(sh)
                 rnd R cp
                                              56
                                                      AC&HB, TH&B, Ver(sh)
                 rnd R cp
                                     stl (38)
                                              57
11/2 \times 1/4
                                     stl (38)
11/2 \times 1/4
                                              26
                                                      CN
                 rnd R os cp
11/2 \times 1/4
                 rnd R os cp
                                     stl (38)
                                              27
                                                      CN, GT
1 \ 1/2 \ \times \ 1/4
                 rnd R os cp
                                     stl (38)
                                              28
                                                      CN
1 \ 1/2 \ \times \ 1/4
                                     stl (38)
                                              29
                                                      CN
                 rnd R os cp
                                                      CN, GT
11/2 \times 1/4
                 rnd R os cp
                                     stl (38)
                                              30
                                     stl (38)
                                              31
                                                      CN
11/2 \times 1/4
                 rnd R os cp
                                     stl (38)
                                                      CN, TH&B(sh)
11/2 \times 1/4
                 rnd R os cp
                                              33
                                     stl (38)
                                              34
                                                      CN, TH&B(sh)
11/2 \times 1/4
                 rnd R os cp
                                                      CN, GT, TH&B
1 \ 1/2 \times 1/4
                 rnd R os cp
                                     stl (38) 35
1 \ 1/2 \ \times \ 1/4
                 rnd R os cp
                                     stl (38) 36
                                                      CN, DW&P, GT, TH&B
1 \ 1/2 \ \times \ 1/4
                                     stl (38) 37
                                                      CN, TH&B, Ver(sh)
                 rnd R os cp
                                     stl (38) 38
                                                      B&M(sh), CN, CV, C&P(sh), GT, StJ&LC(sh), TH&B,
11/2 \times 1/4
                 rnd R os cp
                                                   Ver(sh)
                                                      CN, CP(p), GT, TH&B
11/2 \times 1/4
                                     stl (38) 39
                 rnd R os cp
                                                      CN, CP(p), TH&B, Ver(sh)
11/2 \times 1/4
                 rnd R os cp
                                     stl (38) 40
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```
1 \ 1/2 \times 1/4
                  rnd R os cp
                                      stl (38) 41
                                                        CN, CP(p), DW&P, TH&B, Ver(sh)
1 \, 1/2 \, \times \, 1/4
                  rnd R os cp
                                      stl (38) 42
                                                        CN, CP(p), DW&P, GT
11/2 \times 1/4
                  rnd R os cp
                                      stl (38) 44
                                                        CN, DW&P
11/2 \times 1/4
                  rnd R os cp
                                      stl (38) 45
                                                        CN, CP(p), GT
1 \, 1/2 \, \times \, 1/4
                  rnd R os cp
                                      stl (38) 46
                                                        CN, GT, TH&B
11/2 \times 1/4
                  rnd R os cp
                                      stl (38) 47
                                                        AC&HB, CN, CP(p), TH&B, Ver(sh)
11/2 \times 1/4
                  rnd R os cp
                                      stl (38) 48
                                                        AC&HB, CP(p), TH&B
11/2 \times 1/4
                  rnd R os cp
                                      stl (38) 49
                                                        AC&HB
21/2 \times 1/4
                  rnd I
                                      stl (39)
                                                22
                                                        CP(p)
21/2 \times 1/4
                                      stl (39)
                  rnd I
                                                23
                                                        CP(p)
       \times 1/4
                                      stl (39)
2
                  rnd I
                                                24
                                                        CN
2
       \times 1/4
                                      stl (39) 25
                  rnd I
                                                        CP(p)
11/2 \times 1/4
                  rnd R
                                      stl (39) 26
                                                        CN
11/2 \times 1/4
                  rnd R
                                      \operatorname{stl}
                                          (39)
                                                34
                                                        CN
11/2 \times 1/4
                  rnd R
                                      \operatorname{stl}
                                          (39)
                                                34:b
                                                        GT
11/2 \times 1/4
                  rnd R
                                          (39) 34:c
                                                        GT
                                      \operatorname{stl}
11/2 \times 1/4
                  rnd R
                                      stl
                                          (39)
                                                35
                                                        CN
11/2 \times 1/4
                                      stl (39)
                                                        CN
                  rnd R
                                                36
11/2 \times 1/4
                                                        CN
                  rnd R
                                      stl (39)
                                                37
11/2 \times 1/4
                  rnd R cp
                                      stl (39)
                                                38
                                                        CN
11/2 \times 1/4
                  rnd R cp
                                      stl (39)
                                                39
                                                        CN
11/2 \times 1/4
                  rnd R cp
                                      stl (39)
                                                        CN
                                                40
11/2 \times 1/4
                                                        CN
                  rnd R cp
                                      stl (39)
                                                41
11/2 \times 1/4
                  rnd R cp
                                      stl (39)
                                                44
                                                        CN
11/2 \times 1/4
                                                        CN
                  rnd R cp
                                      \operatorname{stl}
                                          (39) 45
                                                        CN
11/2 \times 1/4
                  rnd R cp
                                      \operatorname{stl}
                                          (39)
                                                46
11/2 \times 1/4
                  rnd R cp
                                      \operatorname{stl}
                                          (39)
                                                46:b
                                                        CN
11/2 \times 1/4
                  rnd R cp
                                      stl (39) 47
                                                        CN, CP(p)
11/2 \times 1/4
                                      stl (39) 27
                                                        CN
                  rnd R os cp
11/2 \times 1/4
                  rnd R os cp
                                      stl (39) 28
                                                        CN
11/2 \times 1/4
                                                        CN
                  rnd R os cp
                                          (39)
                                                29
                                      \operatorname{stl}
11/2 \times 1/4
                                      stl (39) 30
                                                        CN
                  rnd R os cp
11/2 \times 1/4
                  rnd R os cp
                                      \operatorname{stl}
                                          (39) 31
                                                        CN, CP(p)
11/2 \times 1/4
                  rnd R os cp
                                      stl
                                          (39)
                                                32
                                                        CN
11/2 \times 1/4
                                          (39)
                                                        CN
                  rnd R os cp
                                      \operatorname{stl}
                                                33
11/2 \times 1/4
                                          (39)
                                                33:b
                                                        CN
                  rnd R os cp
                                      \operatorname{stl}
                                                        CP(p)
11/2 \times 1/4
                                      stl (39) 39
                  rnd R os cp
11/2 \times 1/4
                  rnd R os cp
                                      stl (39) 43
                                                        CP(p)
11/2 \times 1/4
                                                        CP(p)
                  rnd R os cp
                                      stl (39) 44:b
11/2 \times 1/4
                  rnd R os cp
                                      stl (39) 47
                                                        CP(p)
11/2 \times 1/5
                  rnd R
                                      stl
                                          (39) 42
                                                        TH&B, Ver(sh)
11/2 \times 1/5
                  rnd R
                                      stl
                                          (39) 43
                                                        TH&B, Ver(sh)
11/2 \times 1/5
                                          (39) 44
                                                        TH&B, Ver(sh)
                  rnd R
                                      \operatorname{stl}
11/2 \times 1/5
                                                        TH&B, Ver(sh)
                  rnd R
                                      \operatorname{stl}
                                           (39)
                                                45
11/2 \times 1/5
                                      stl (39) 46
                                                        TH&B
                  rnd R
11/4 \times 1/4
                  rnd I
                                     cop (39) 23
                                                        TH&B
11/4 \times 1/4
                  rnd I
                                     cop (39) 24
                                                        TH&B
11/4 \times 1/4
                                          (39) 25
                                                        TH&B
                  rnd I
                                     cop
11/4 \times 1/4
                                     cop (39) 26
                                                        TH&B
                  rnd I
11/4 \times 3/16
                                          (39) 34
                                                        TH&B
                  rnd I
                                     cop
21/2 \times 1/4
                  rnd I
                                      stl (40) 17
                                                        NP
2 \ 1/2 \times 1/4
                  rnd I
                                      stl (40) 17:b
                                                        NP
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21/2 \times 1/4
                   rnd I
                                          stl (40) 17:c
                                                             NP
21/2 \times 1/4
                   rnd I
                                          stl (40) 17:d
                                                             NP
2 \frac{1}{2} \times \frac{1}{4}
                   rnd R
                                          stl (47) 41
                                                             DM&IR
2 \ 1/2 \times 1/4
                   rnd R
                                          stl (47) 44
                                                             DM&IR
2 \ 1/2 \times 1/4
                   rnd R
                                          stl (47) 44:b
                                                             DM&IR
2 \ 1/2 \times 1/4
                   rnd R
                                          stl (47) 44:c
                                                             DM&IR
2 \ 1/2 \times 1/4
                   rnd R
                                          stl (47) 45
                                                             DM&IR
2 \frac{1}{2} \times \frac{1}{4}
                   rnd R
                                         stl (47) 45:b
                                                             LS&I, M&LS
2 1/2 \times 1/4
                   rnd I
                                        cop (60) 29
                                                             Int(sh), JW&NW(sh), M&StL(sh), PS&N, UV(sh)
1 \ 3/4 \times 3/16 \ \text{rnd I}
                                        cop (60) 52:c
                                                             KCT
1.3/4 \times 3/16 rnd I gm
                                        cop(60)
                                                    52
                                                             AC&F
1 3/4 \times 3/16 rnd I gm
                                        cop (60)
                                                    54
                                                             AC&F
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop(60)
                                                     23:b
                                                             Ver(sh)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop(60)
                                                    58
                                                             KCT
1 \, 1/4 \, \times \, 3/16
                   rnd I
                                        cop(60)
                                                   59
                                                             KCT
1 \ 1/4 \ \times \ 3/16
                   rnd I
                                        cop(60)
                                                    60
                                                             KCT, WP-E
1 \ 1/4 \times 3/16
                                        cop(60)
                   rnd I
                                                    61
                                                             KCT
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                            gm
                                        cop
                                             (60)
                                                    19
                                                            _{\rm LI}
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop(60)
                                                    20
                                                            LI, TH&B
                            gm
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop (60)
                                                    21
                                                            LI, TH&B
                            gm
1 \frac{1}{4} \times \frac{3}{16} \text{ rnd I}
                                        cop (60)
                                                    21:b
                                                            TH&B
                            gm
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop (60)
                                                    22
                                                             DT&I, TH&B
                            gm
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop (60) 22:b
                            gm
                                                            TH&B
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                            gm
                                        cop(60) 23
                                                             C&O, DT&I, LI
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                            gm
                                        cop (60) 23:b
                                                            B&H(sh), M&NJ(sh), NYO&W(sh), Ste(sh)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop(60)
                                                    24
                                                             B&H(sh), C&O, DT&I, LI, M&NJ(sh), NYO&W(sh),
                                                         Ste(sh)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop(60)
                                                    25
                                                             C&O, DT&I, LI(pr)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                                    25:b
                                        cop(60)
                                                            DT&I
                           gm
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop (60)
                           gm
                                                    26
                                                             DT&I, Ma&Pa
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                           gm
                                        cop(60)
                                                    26:b
                                                            DT&I, JW&NW(sh), UV(sh)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop (60)
                                                   26:c
                                                             C&O
                           gm
1 \ 1/4 \times 3/16 \ \text{rnd I}
                                                    27
                                                            DT&I, MilRd, TP&W, UV(sh)
                                        cop(60)
                           gm
                                                    27:b
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop(60)
                                                            DT&I, Ma&Pa, MilRd
                            gm
                                        cop (60)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                                    28
                                                             A&BR, DT&I, KCT, Ma&Pa, MilRd, TP&W
                           gm
                                        cop (60)
                                                             A&BR, DT&I, Ma&Pa, MilRd, MN&S, TP&W
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                           gm
                                                    29
                                        cop (60)
1 \frac{1}{4} \times \frac{3}{16} \text{ rnd I}
                           gm
                                                    29:b
                                                            MilRd
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                           gm
                                        cop (60)
                                                    30
                                                             A&BR, FR, MilRd
1 \frac{1}{4} \times \frac{3}{16} \text{ rnd I}
                           gm
                                        cop (60)
                                                    31
                                                            FR, MiCo
                                                    32
                                                            Ma&Pa, MiCo
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop(60)
                           gm
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop (60)
                                                    33
                           gm
                                                            MiCo
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                        cop(60)
                                                            G&U, Ma&Pa, MiCo
                                                    34
                           gm
                                        cop (60)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                                    35
                                                            G&U, MiCo
                           gm
                                        cop (60)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                           gm
                                                    36
                                                            G&U, MiCo, P&BR
1.1/4 \times 3/16 rnd I gm
                                        cop (60)
                                                    37
                                                             G&U, MiCo, P&BR
1.1/4 \times 3/16 rnd I gm
                                        cop (60)
                                                    38
                                                            G&U, MiCo
1.1/4 \times 3/16 rnd I gm
                                        cop (60)
                                                    39
                                                             G&U
                                        cop (60) 40
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                           gm
                                                            P&BR
                                        cop (60) 41
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                                             G&U, Ma&Pa, P&BR
                           gm
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                           gm
                                        cop(60)
                                                   46
                                                            P&BR
1.1/4 \times 3/16 rnd I gm
                                        cop(60)
                                                   53
                                                            StJL, WP-E
1.1/4 \times 3/16 rnd I gm
                                        cop (60) 54
                                                             StJL
```

```
1 \, 1/4 \, \times \, 3/20 \, \text{rnd I}
                                   cop (60) 49
                                                      Ma&Pa
11/4 \times 3/16 \text{ sqr I}
                                   cop (60)
                                             30
                                                     MiCo
1\ 1/4\ 	imes\ 3/16\ \ {\rm sqr}\ \ {\rm I}\ \ {\rm rs\ gm}
                                   cop (60)
                                              27
                                                     MilRd
1.1/4 \times 3/16 sqr I rs gm
                                   cop (60) 28
                                                     MilRd
1.1/4 \times 3/16 sqr I rs gm
                                   cop (60) 29
                                                     MilRd
                                   cop (60) 30
1.1/4 \times 3/16 sqr I rs gm
                                                     MilRd
1 \, 1/4 \, \times \, 1/5
                 rnd R gm
                                   cop
                                        (60)
                                              34
                                                     MilRd
1.3/4 \times 3/16 rnd R gm
                                   cop
                                        (60) 46
                                                     Ma&Pa
1.1/2 \times 3/16 rnd R gm
                                        (60)
                                                     G&U
                                   cop
                                              49
1.1/2 \times 3/16 rnd R gm
                                   cop (60) 50
                                                     G&U
1.1/4 \times 3/16 rnd R gm
                                   cop(60) 34
                                                     G&U, MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 34:b
                                                     MilRd, PH&D(sh)
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 34:c
                                                     MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 35
                                                     DT(sh), G&U, MilRd, PH&D(sh)
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 35:b
                                                     MilRd
1.1/4 \times 3/16 rnd R gm
                                        (60) 35:c
                                                     MilRd, PH&D(sh)
                                   cop
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 36
                                                     G&GE, G&U, Ma&Pa, MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 36:b
                                                     CNS&M, MilRd, PH&D(sh)
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 36:c
                                                     MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 37
                                                     A&A(sh), CNS&M, Ma&Pa, MilRd, MilRd(sh),
                                                  PH&D(sh)
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 37:b
                                                     GB&W(sh), MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 38
                                                     MilRd
1.1/4 \times 3/16 rnd R gm
                                              38:b
                                                     MilRd, PH&D(sh)
                                   cop(60)
1.1/4 \times 3/16 rnd R gm
                                                     CNS&M, MilRd
                                   cop (60) 38:c
                                                     GB&W(sh), MilRd, PH&D(sh)
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 39
1.1/4 \times 3/16 rnd R gm
                                                     G&U, MilRd
                                   cop (60) 40
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 41
                                                     MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 42
                                                     G&U, MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 46
                                                     G&U, MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop (60) 47
                                                     G&U, MilRd
1.1/4 \times 3/16 rnd R gm
                                                     G&U, MilRd
                                   cop (60) 48
1.1/4 \times 3/16 rnd R gm
                                        (60)
                                                     MilRd
                                   COD
                                             49
                                                     KCT, MilRd
1.1/4 \times 3/16 rnd R gm
                                   cop
                                        (60) 50
1.1/4 \times 3/16 rnd R gm
                                   cop
                                        (60) 51
                                                     KCT, MilRd
1.1/4 \times 3/16 rnd R C-rim
                                        (60)
                                              38
                                                     MilRd
                                   cop
1.1/4 \times 3/16 rnd R C-rim
                                        (60)
                                             39
                                                     MilRd
                                   cop
1.1/4 \times 3/16 rnd R C-rim
                                   cop
                                        (60) 40
                                                     MilRd
1.1/4 \times 3/16 rnd R C-rim
                                   cop
                                        (60) 41
                                                     MilRd
1.1/4 \times 3/16 rnd R C-rim
                                        (60) 42
                                                     MilRd
                                   cop
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                   _{\mathrm{alm}}
                                        (60)
                                              56
                                                     Ma&Pa
1 \, 1/4 \, \times \, 3/20 \, \text{rnd I}
                                   alm
                                        (60) 47
                                                     Ma&Pa
11/4 \times 3/20 \text{ rnd I}
                                   alm
                                                     Ma&Pa
                                        (60) 48
                                   alm
                                                     Ma&Pa
1 \, 1/4 \, \times \, 3/20 \, \text{rnd I}
                                        (60) 50
11/4 \times 3/20
                                   alm (60) 51
                                                     Ma&Pa
                rnd I
1 \, 1/4 \, \times \, 3/20 \, \text{rnd I}
                                                     Ma&Pa
                                   _{\rm alm}
                                        (60) 52
                                   alm (60) 53
                                                     Ma&Pa
1 \, 1/4 \, \times \, 3/20 \, \text{rnd I}
11/4 \times 3/20 \text{ rnd I}
                                   alm (60) 54
                                                     Ma&Pa
1.1/4 \times 3/20 rnd I
                                   alm (60) 55
                                                     Ma&Pa
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                   cop (61) 63
                                                     SB
1 \, 1/4 \, \times \, 3/16 \, \text{rnd R}
                                   cop (61) 52
                                                     KCT
1.1/4 \times 3/16 rnd R
                                                     KCT
                                   cop (61) 54
1 \, 1/4 \, \times \, 3/16 \, \text{rnd R}
                                   cop (61) 55
                                                     KCT
```

```
1 \, 1/4 \, \times \, 3/16 \, \text{rnd R}
                                      cop (61) 56
                                                          KCT
1 \ 1/4 \times 3/16
                  rnd R
                                      cop (61)
                                                  57
                                                          KCT
       \times 1/4
                  rnd I
                                      alm (61)
                                                  65
                                                          UC
2
       \times 1/4
                  rnd I
                                      alm (61)
                                                  67
                                                          USG
2
       \times 1/4
                                      alm (61)
                                                          USG
                  rnd I
                                                  68
1 \ 1/2 \times 1/4
                  rnd I
                                      alm (61)
                                                  70
                                                          PST
2
        \times 3/16
                  rnd I
                                      alm (61)
                                                          P&NW
                                                  54
2
        \times \ 3/16
                  rnd I
                                      alm (61)
                                                  55
                                                          P&NW
2
       \times \ 3/16
                                      alm (61)
                  rnd I
                                                  59
                                                          USG
2
        \times \ 3/16
                  rnd I
                                      alm (61)
                                                  71
                                                          USG
2
       \times \ 3/16
                                      alm (61)
                                                  79
                                                          USG
                  rnd I
2
                                      alm (61)
                                                          USG
       \times \ 3/16
                  rnd I
                                                  82
2
                  rnd I
       \times \ 3/16
                                      alm (61)
                                                  83
                                                          USG
2
       \times \ 3/16
                                      alm (61)
                                                          USG
                  rnd I
                                                  84
2
       \times 3/16
                  rnd I
                                      alm (61)
                                                  92
                                                          USG
2
       \times \ 3/16
                  rnd I
                                      alm (61)
                                                  95
                                                          USG
2
       \times 3/16
                  rnd I
                                      alm (61)
                                                  98
                                                          USG
2
                                      alm (61) 01
       \times 3/16
                  rnd I
                                                          USG (BPB fencepost nail)
1 \, 1/4 \, \times \, 3/16
                                      alm (61) 64
                                                          USG
                  rnd I
1 \ 1/4 \times 3/16
                                      alm (61)
                                                          SB
                  rnd I
                                                  66
  3/4 \times 3/16 \text{ rnd I}
                                      alm (61)
                                                  64
                                                          USG
                                      alm (61) 72
2 \ 1/2 \times 1/4
                  rnd R
                                                          USG
1 \, 1/2 \, \times \, 3/16 \, \text{rnd I}
                                      cop (63)
                                                  30
                                                          LI(pr)
1.1/4 \times 3/16 \text{ rnd I}
                                      cop(63)
                                                  31
                                                          LI(pr)
                                      cop (63)
                                                          Ma&Pa
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                                  38
                          gm
                                      cop (63) 39
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                                          Ma&Pa
                          gm
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                      cop (63) 40
                                                          Ma&Pa
                          gm
2 \ 1/2 \times 1/4
                  rnd I
                                       stl (64) 18
                                                          FJ&G(sh), M&O(sh), M&NJ(sh), N&StL(sh), UV(sh)
21/2 \times 1/4
                  rnd I
                                       stl (64) 18:b
                                                          UV(sh)
2 \ 1/2 \times 1/4
                  rnd I
                                       stl (64) 19
                                                          M&O(sh)
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                      cop (66) 25
                                                          LI
                                                          LI
1 \, 1/4 \, \times \, 3/16 \, \text{rnd I}
                                      cop (66) 26
                                                          LI
1.1/4 \times 3/16 rnd I gm
                                      cop (66) 22
2
                                                          SFe
       \times 5/16 rnd I
                                       stl (
                                               ) 1
2
       \times 5/16
                 rnd I
                                               ) 1:b
                                                          SFe
                                       stl (
       \times 5/16
                  rnd I
                                       stl (
                                                 1:c
                                                          SFe
2 \ 1/2 \times 1/4
                                               )
                  rnd I
                                       stl (
                                                  00
                                                          CB&Q
2 \ 1/2 \times 1/4
                  rnd I
                                       stl (
                                               ) 00:b
                                                          C&EI
21/2 \times 1/4
                  rnd I
                                       stl (
                                               ) 01
                                                          CB&Q
2 \ 1/2 \times 1/4
                                               ) 1
                                                          Big4, SFe
                  rnd I
                                       stl (
2 \ 1/2 \times 1/4
                                                          SFe
                  rnd I
                                       stl (
                                               ) 1:b
21/2 \times 1/4
                  rnd I
                                       stl (
                                                  02
                                                          CB&Q
2 \ 1/2 \times 1/4
                                                  2
                                                          B&O, Big4, SFe
                  rnd I
                                       stl (
21/2 \times 1/4
                  rnd I
                                       stl (
                                                  2:b
                                                          SFe
21/2 \times 1/4
                  rnd I
                                       stl (
                                               )
                                                  03
                                                          CB&Q
21/2 \times 1/4
                  rnd I
                                       stl (
                                                  3
                                                          Big4, C&EI, MM&SE, SFe
21/2 \times 1/4
                  rnd I
                                               ) 3:b
                                                          SFe
                                       stl (
2 \ 1/2 \times 1/4
                  rnd I
                                       stl (
                                               ) 4
                                                          MilRd, SFe, SP
2 \, 1/2 \, \times \, 1/4
                                                          SFe
                  rnd I
                                       stl (
                                                  4:b
2 \ 1/2 \times 1/4
                  rnd I
                                       stl (
                                                          SFe
```

```
21/2 \times 1/4
                                                             B&O
                   rnd I
                                          stl (
                                                  ) 11
21/2 \times 1/4
                   rnd I
                                          \operatorname{stl}
                                                  )
                                                     11:b
                                                             B&O
                                                  )
21/2 \times 1/4
                   rnd I
                                                     11:c
                                                             IC
                                          \operatorname{stl}
21/2 \times 1/4
                                                  )
                                                     12
                   rnd I
                                          stl
                                                             UP
21/2 \times 1/4
                                                  )
                   rnd I
                                          \operatorname{stl}
                                                     12:b
                                                             Bo&Al
21/2 \times 1/4
                   rnd I
                                          stl (
                                                  )
                                                     17
                                                             SLR, UP
21/2 \times 1/4
                   sqr I rs
                                          \operatorname{stl}
                                                     32
                                                             NP(p)
21/2 \times 1/4
                                                  )
                                                             NP(p)
                   sqr I rs
                                          stl (
                                                     33
21/2 \times 1/4
                   rnd R
                                          stl (
                                                  )
                                                     21
                                                             CB
21/2 \times 1/4
                   rnd R
                                          stl (
                                                  )
                                                             CB
                                                     22
21/2 \times 1/4
                                                             CB
                   rnd R
                                          stl (
                                                     24
21/2 \times 1/4
                   rnd R
                                          stl (
                                                     25
                                                             CB
21/2 \times 1/4
                                                             SP-M
                   rnd R
                                          stl (
                                                     27
        \times 1/4
                   rnd R
                                          stl (
                                                     38
                                                             Erie(sh)
2 \ 1/2 \times 1/4-
                   rnd R
                                                             SP-M
                                          stl (
                                                     28
21/2 \times 1/4
                   rnd R
                                          stl (
                                                     30
                                                             SP-M
21/2 \times 1/4-
                   rnd R
                                                             SP-M
                                          stl (
                                                     31
21/2 \times 1/4
                   rnd R
                                          \operatorname{stl}
                                                     32
                                                             SP-M
2 1/2 \times 1/4
                   rnd R
                                          stl
                                                     33
                                                             SP-M
21/2 \times 1/4
                   rnd R
                                          \operatorname{stl}
                                                     33:b
                                                             SP-M
        × 1/4-
2
                   rnd R
                                          stl (
                                                  )
                                                     34
                                                             SP-M
2
        × 1/4-
                   rnd R
                                          stl (
                                                  )
                                                     35
                                                             SP-M
        × 1/4-
                   rnd R
                                          stl (
                                                     36
                                                             SP-M
11/4 \times 1/5
                   rnd I
                                                     53
                                                             KCT
                                         cop
1 \, 1/2 \, \times \, 3/16
                   rnd I
                                                  )
                                                    13
                                                             P&LE
                           gm
                                        cop
1 \ 1/2 \ \times \ 3/16
                   rnd I
                                                  ) 14
                                                             P&LE
                            gm
                                        cop
1 \, 1/4 \, \times \, 3/16
                                                  )
                                                             IC
                   rnd I gm
                                        cop
                                                    07
        \times 3/16
                   rnd I
                                        _{\rm alm}
                                                    94
                                                             CSX
1 \ 1/2 \times 1/4
                   rnd R os cp
                                        _{\rm alm}
                                                    46
                                                             CP(p)
1 \, 1/2 \, \times \, 1/4
                   rnd R os cp
                                        _{
m alm}
                                                     49
                                                             CP(p)
11/2 \times 1/4
                   rnd R os cp
                                                     50
                                                             CP(p)
                                        _{\rm alm}
                                                  )
11/2 \times 1/4
                   rnd R os cp
                                                  )
                                                    51
                                                             CP(p)
                                        _{
m alm}
11/2 \times 1/4
                   rnd R os cp
                                                  )
                                                    52
                                                             CP(p)
                                        _{
m alm}
11/2 \times 1/4
                   rnd R os cp
                                        alm
                                                  )
                                                    53
                                                             CP(p)
                                                             CP(p)
1 \, 1/2 \, \times \, 1/4
                   rnd R os cp
                                        alm
                                                  )
                                                    54
1 \ 1/2 \ \times \ 1/4
                   rnd R os cp
                                        _{
m alm}
                                                  )
                                                    55
                                                             CP(p)
1 \ 1/2 \times 1/4
                   rnd R os cp
                                        alm
                                                     56
                                                             CP(p)
1 \, 1/2 \, \times \, 1/4
                                                    57
                   rnd R os cp
                                        alm
                                                             CP(p)
1 \, 1/2 \, \times \, 1/4
                   rnd R os cp
                                        _{
m alm}
                                                     58
                                                             CP(p)
1 \ 1/2 \ \times \ 1/4
                   rnd R os cp
                                        _{\rm alm}
                                                  )
                                                    59
                                                             CP(p)
11/2 \times 1/4
                   rnd R os cp
                                        _{\rm alm}
                                                    60
                                                             CP(p)
1 \, 1/2 \, \times \, 1/4
                   rnd R os cp
                                        _{\mathrm{alm}}
                                                  )
                                                    61
                                                             CP(p)
11/2 \times 1/4
                                                    64
                   rnd R os cp
                                        _{
m alm}
                                                  )
                                                             CP(p)
        \times 1/4
                                                             UC
3
                   rnd I gm
                                         brs
                                                  )
                                                    56
3
        \times 1/4
                                                             UC
                   rnd I gm
                                                    57
                                         brs
3
        \times 1/4
                   rnd I gm
                                                  )
                                                    58
                                                             UC
                                         brs (
3
        \times 1/4
                                                    59
                                                             UC
                   rnd I gm
                                         brs (
                                                  )
3
        \times 1/4
                   rnd I gm
                                         brs (
                                                 ) 60
                                                             UC
```

Index of abbreviations

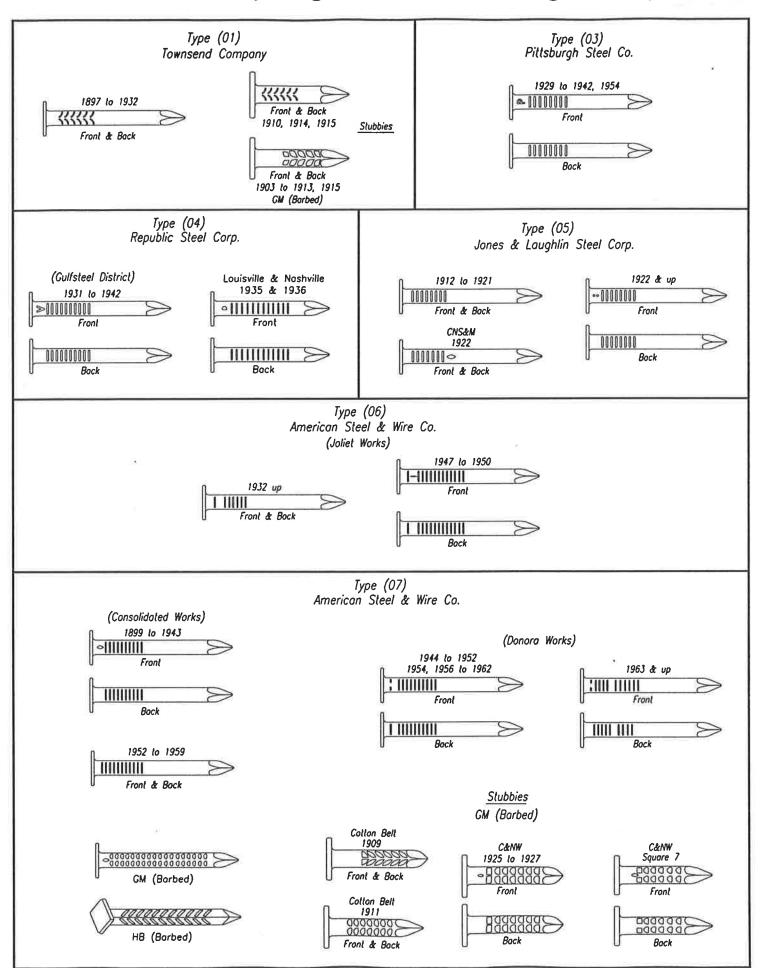
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A&BB	Akron & Barberton Belt
A&BR	Arcadia & Betsey River
A&LM	Arkansas & Louisiana Missouri
A&S	Aliquippa & Southern
	Atlanta & Saint Andrews Bay
AA	· ·
AC&F	
	Algoma Central & Hudson Bay
	Akron, Canton & Youngstown
ACL	
AD&N	
Alm	
Apac	
	Barre & Chelsea / Montpelier & Wells River
B&G	
B&H	Bath & Hammondsport
B&LE	Bessemer & Lake Erie
B&M	Boston & Maine
B&ML	Belfast & Moosehead Lake
B&O	
Ba&Ar	
BA&P	
BC	
Big4	
Bo&Al	
	Buffalo, Rochester & Pittsburgh
BS	
C&A	
C&EI	
C&G	
C&H	
C&IM	
C&NW	Chicago & North Western
C&O	Chesapeake & Ohio
C&P	
C&S	
C&WI	
CAM	
CAM	
CB	
	Chicago, Burlington & Quincy
CBE	
CCT	
CGN	
ChRi	
Cli	
CN	
	Chicago North Shore & Milwaukee
Col	Colombia
CoRa	Copper Range

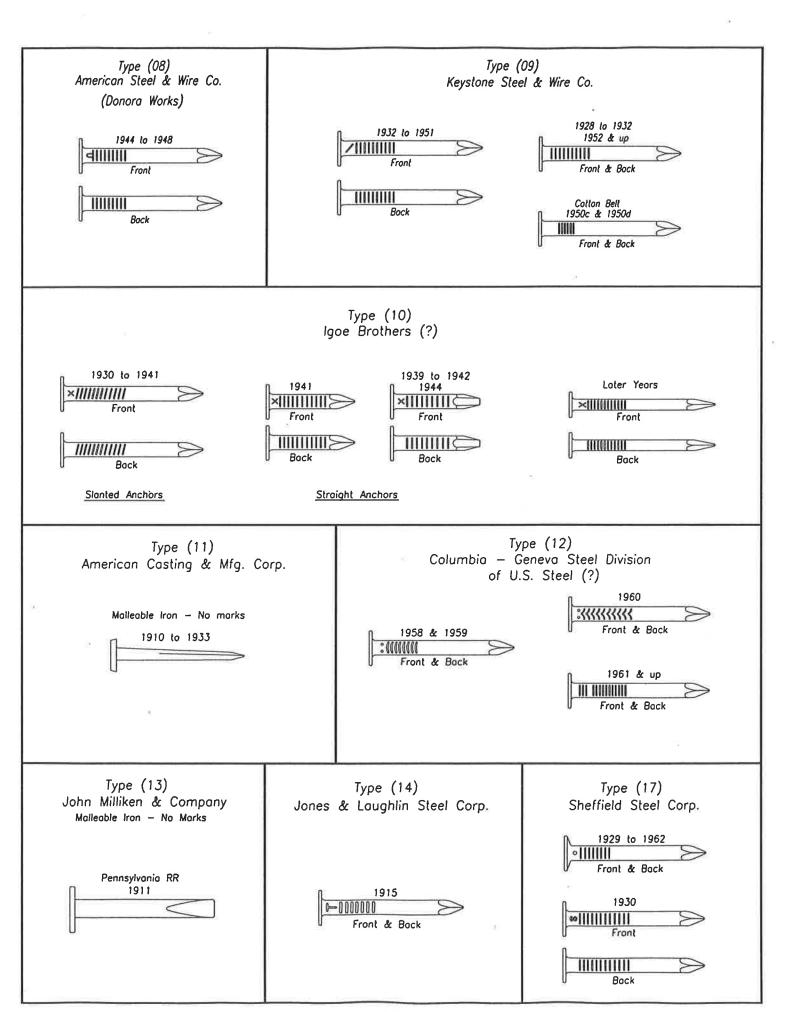
CP	Canadian Pacific
	. Copper River & Northwestern
	. Chicago South Shore & South Bend
CSX	
CV	
CW	-
D&H	. Delaware & Hudson
D&M	. Detroit & Mackinac
D&MM	. Dansville & Mount Morris
D&N	. Delaware & Northern
	. Denver & Rio Grande Western
D&S	
D&SL	
	Detroit & Toledo Shore Line
D-GC	
	. Delaware, Lackawanna & Western
	Des Moines & Central Iowa
	Detuit Transical
DT	
DT&I	
	Duluth, Winnipeg & Pacific
E&LS	
EJ&E	
EJ&S	
EP&SW	
Erie	. Erie
EStL&S	. East St. Louis & Suburban
F&C	Frankfort & Cincinnati
	Fort Dodge, Des Moines & Southern
FEC	
	Fonda, Johnstown & Gloversville
FR	· · · · · · · · · · · · · · · · · · ·
Frisco	
FW&DC	
G&GE	
G&J	
G&U	
GB&W	
GCS	
GM&N	
GN	
GR	
GR&I	
GT	
	. Gila Valley, Globe & Northern
GW	
H&NE	
IaT	
IC	
IHB	Indiana Harbor Belt
IIT	Illinois Terminal
Int	
	. International Railways of Central America
IS	

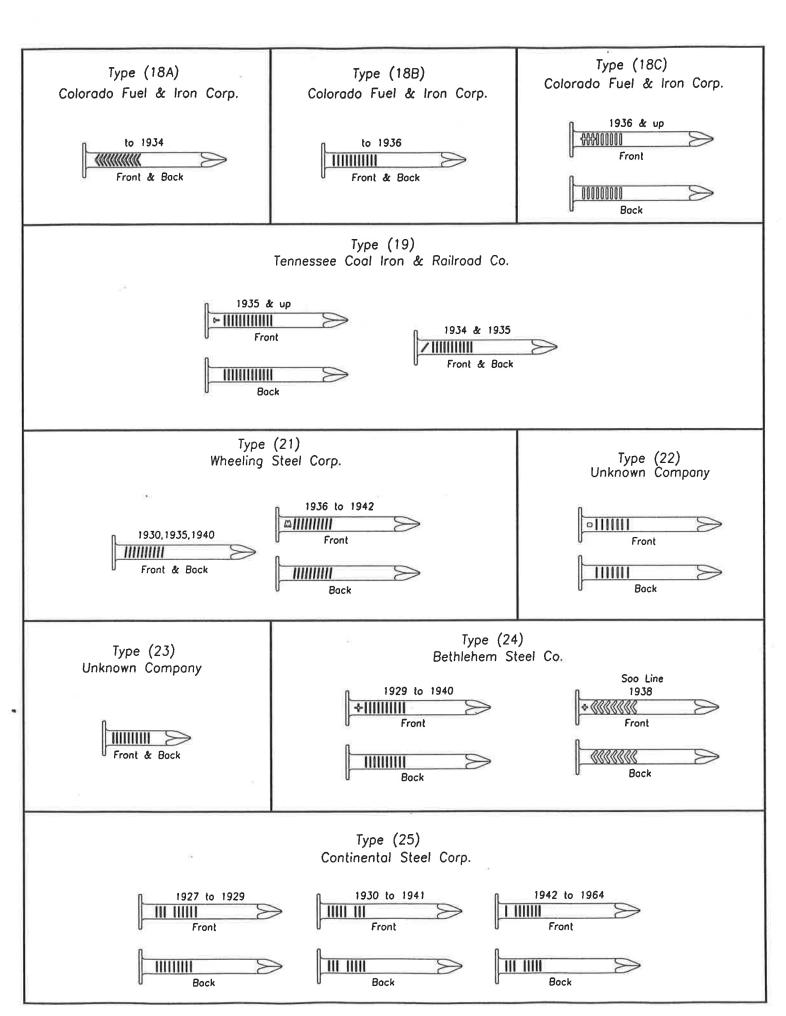
J&SC	.Johnstown & Stony Creek
	Jamestown, Westfield & Northwestern
KC	
	Kansas City, Mexico & Orient
KCS	
KCT	
Key	
	Kanawha, Glen Jean & Eastern
KO&G	
L&BR	
L&HR	
L&M	
L&N	
L&NE	
L&WV	. Lackawanna & Wyoming Valley
LAJ	
LC&M	
LH&StL	. Louisville, Henderson & St. Louis
LI	
LS&BC	La Salle & Bureau County
LS&I	
LV	
M&GR	
	. Manistique & Lake Superior
M&NE	
M&NJ	
M&O	
M&StL	
M&SV	
Ma&Pa	
MBI	
MC&CL	
MeC	
	Milwaukee Electric Railway & Light
MexPa	
$M\text{-}I\dots$	
MiCe	
MiCo	
MilRd	Milwaukee Road
MisCe	Mississippi Central
MKT	. Missouri-Kansas-Texas
MM&SE	Munising, Marquette & Southeastern
MN&S	Minneapolis, Northfield and Southern
Monon	Monon Route
MoPac	. Missouri Pacific
MR	
	. Mississippi River & Bonne Terre
MT	
MV	
N&StL	
N&W	
NaP	
	National Railways of Mexico
I COUNTY OF THE PERSON OF THE	TIMOTOTIAL TOUTINAYS OF INTEXICO

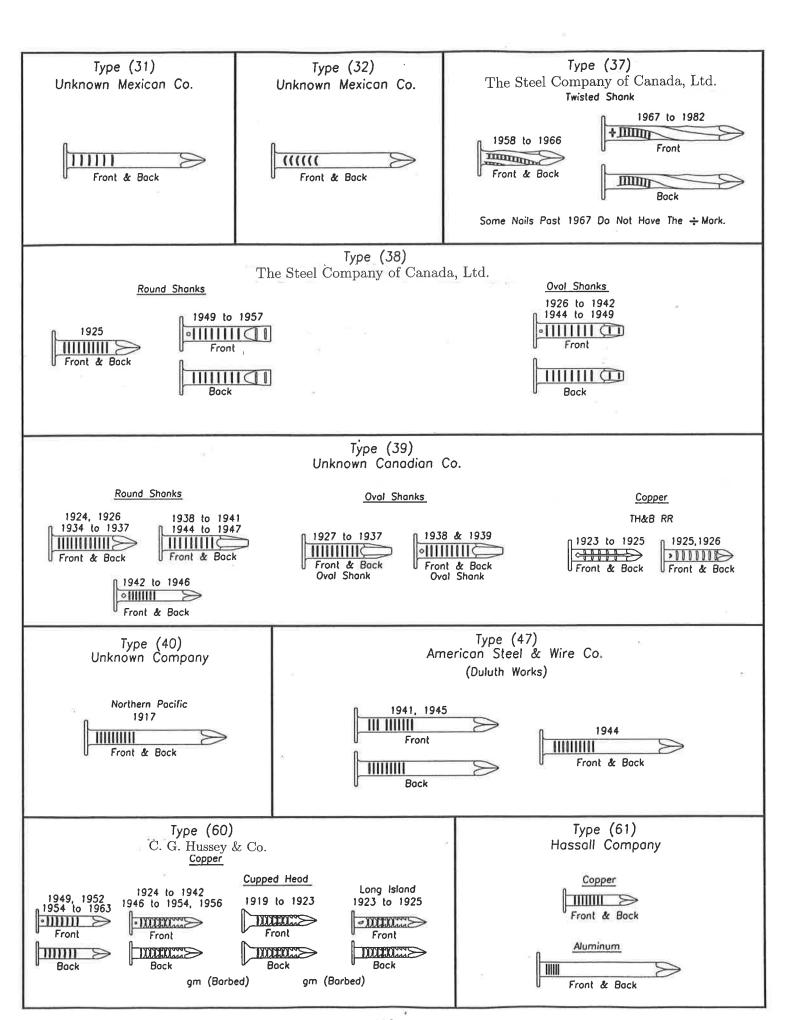
NC&StI.	Nashville, Chattanooga & St. Louis
NiPl	
NN	
NP	
NS	
	New York & Long Branch
NYC	
	New York City Transit Authority
	New York, New Haven & Hartford
	New York, Ontario & Western
NYS&W,	New York, Susquehanna & Western
O&NW	Oregon & Northwestern
ON	Ontario Northland
OP&E	Oregon, Pacific & Eastern
OSL	- ·
P&BR	~
P&LE	
P&N	
P&NW	
P&PU	
	Pittsburgh & West Virginia
Pac	
PD	-
PH&D	
PM	
Prat	
PRR	
	Pittsburg, Shawmut & Northern
PSC	Public Service Railway Company of New Jersey
PSC	Public Service Railway Company of New JerseyPhiladelphia Suburban Transportation
PSCPSTPT	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend
PSCPSTPTRF&P	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac
PSC PST PT RF&P RI	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines
PSC	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern
PSC	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland
PSC. PST. PT. RF&P. RI. RSS. Rut. RV.	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley
PSC	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line
PSC	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo
PSC	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California
PSC	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady
PSC. PST. PT. RF&P. RI. RSS. Rut. RV. SAL. SB. S-BC. Sch.	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe
PSC. PST. PT. RF&P. RI. RSS. Rut. RV. SAL. SB. S-BC. Sch. SFe.	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International
PSC	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR SMV	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR SMV	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley Sacramento Northern
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR SMV SN	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley Sacramento Northern Soo Line
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR SMV SN Soo	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley Sacramento Northern Soo Line
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR SMV SN Soo SP SP&S	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley Sacramento Northern Soo Line Southern Pacific
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR SMV SN Soo SP SP&S SP-M	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley Sacramento Northern Soo Line Southern Pacific Spokane, Portland & Seattle
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR SMV SN Soo SP SP&S SP-M SP-T	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley Sacramento Northern Soo Line Southern Pacific Spokane, Portland & Seattle Southern Pacific of Mexico
PSC PST PT RF&P RI RSS Rut RV SAL SB S-BC Sch SFe SI Sie SLG&W SLR SMV SN Soo SP SP&S SP-M SP-T	Public Service Railway Company of New Jersey Philadelphia Suburban Transportation Port Townsend Richmond, Fredericksburg & Potomac Rock Island Lines Rockdale, Sandow & Southern Rutland Rahway Valley Seaboard Air Line South Buffalo Sonora-Baja California Schenectady Santa Fe Spokane International Sierra Salt Lake, Garfield & Western Salt Lake Route Santa Maria Valley Sacramento Northern Soo Line Southern Pacific Spokane, Portland & Seattle Southern Pacific, Texas & Louisiana Lines Southern Pacific, Western Lines

Ste Stewartstown
StFC St. Francois County
StJ&LC St. Johnsbury & Lamoille County
StJLSt. Joseph Lead
StLB&ESt. Louis & Belleville Electric
StLIM&SSt. Louis, Iron Mountain & Southern
StLRM&PSt. Louis, Rocky Mountain & Pacific
StPB&TSt. Paul Bridge & Terminal
T&P Texas & Pacific
TAStLTerminal RR Association of St. Louis
TCTennessee Central
TC&GBTucson, Cornelia & Gila Bend
TH&BToronto, Hamilton & Buffalo
To&Go Tonopah & Goldfield
TP&W Toledo, Peoria & Western
TPTNO Texas Pacific – Missouri Pacific Terminal RR of New Orleans
TrTrona
Tr&Gu Tremont & Gulf
TS Tidewater Southern
TTToledo Terminal
UCUnion Carbide
UP Union Pacific / OSL / SLR
URRUnion RR
USGU.S. Government
Utah Utah
UV
VerVermont
VRRVirginian
WA&G Wellsville, Addison & Galeton
WabWabash
War Warrenton
WJ&S West Jersey & Seashore
WMWestern Maryland
WP-E West Pittston-Exeter
WR&E Washington Railway & Electric
W-SSB Winston-Salem Southbound
YW Yreka Western









Type (63) Unknown Company <u>Copper</u>	Type (64) Unknown Company	Type (66) Unknown Company Long Island RR Copper
1930 to 1933 Front & Bock	1918, 1919, 1926, 1929 1111	Cupped Head 1925,1926
Moryland & Pennsylvania 1938 to 1940 Front & Back gm (Barbed)		1922 — Gadada — Gada
Type (69) Unknown Company	Type () Unknown Company	Type () Unknown Company
Aluminum IIIIIIIII Solution Front & Back	Sonto Fe 1901 Stubby	Baltimore & Ohio 1911 Front & Back
Cut Nail		S.

C:\ACLTWIN\WESIS1.DWG J. Penry - August 5, 1998