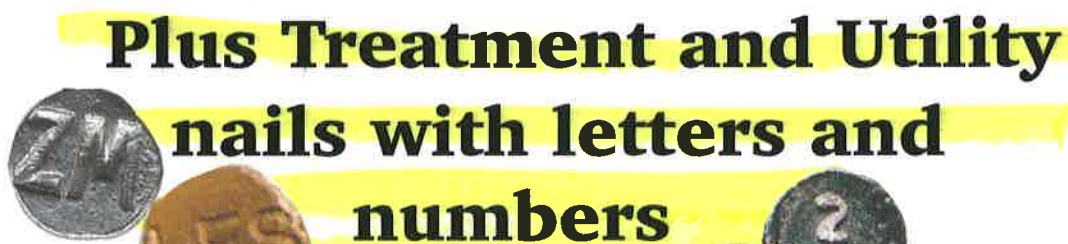


The title is surrounded by various decorative elements: a silver coin with a dollar sign (\$) at the top left, a copper coin with 'GPPT' at the top left, a silver coin with 'W' at the top right, a gold coin with 'GPG' at the top right, a silver coin with '24' at the top center, a silver coin with a dollar sign (\$) at the top center, a green coin with 'KJ' at the top center, a copper coin with 'J' at the top center, a silver coin with 'Z' at the top center, a copper coin with 'J' at the middle left, a silver coin with a hammer icon at the middle left, and a silver coin with 'S' at the bottom left.

Letter & Letter / Date Nails

The subtitle is surrounded by various decorative elements: a silver coin with 'ZM' at the middle left, a copper coin with 'LES' at the middle left, a silver coin with '2' at the middle right, a silver coin with 'P' at the middle right, a silver coin with 'M' at the middle right, a silver coin with 'T9' at the middle right, and a silver coin with 'S' at the bottom left.

**Plus Treatment and Utility
nails with letters and
numbers**

The author and date are surrounded by various decorative elements: a silver coin with 'S' at the bottom left, a silver coin with 'P' at the middle right, a silver coin with 'M' at the middle right, a silver coin with 'T9' at the middle right, a copper coin with 'J' at the top center, and a copper coin with 'ACW 2635' at the bottom left.

**Rolland Meyers
June 2016**

... ..Gracias – Thank You – Merci

Well, here is another book on nails. This time it is the Letter and Letter / Date nails. Used by railroads, utilities, treatment companies and others, I have tried to include all those known nails with a letter, a letter and number, and also some that have symbols or icons on the head that were used in Mexico, the U.S. and Canada.

As you look through the pages you will see several nails that are listed as “user unknown.” If you know for certain who did, in fact, use the nail I would appreciate learning of that information. I will then change it in the book – to the benefit of all collectors.

My sincere thanks to all those that helped contribute the scans and photos used in these pages, with specific thanks to Charles Sebesta, Skip Kilpatrick Dave Parmalee and Bill McClellan who put up with my constant requests for photos and information. This would not have been possible without their help. I also had extensive input from representatives of Canadian Utilities.

I hope those using these pages will find them of help and in turn, if you have a nail not shown or can add specific information regarding those that are shown, I would appreciate hearing of that. I can be contacted at:

<rolland@rollandmeyers.com> or 510 658 5221

Regards,

Rolland Meyers June 2016

LETTER AND LETTER/NUMBER NAILS

The following pages show letter nails and nails with a letter/number combination. The indented nails are shown first followed by the raised nails. In some cases sets treatment and utility sets may be split up because of this. "Hubbard" nails have not been included on these pages. All nails are 2 ½ x ¼ except as noted.

2 ½ x ¼ rnd l stl

1



(05)

2



(05)

3



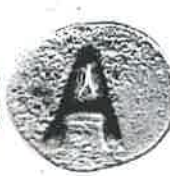
(07)

4



(07)

5



(07)

6



(05)

7



(05)

8



(05)

9



(17)

10



(11)

11

12

- A 1-3 Ash. Buffalo, Rochester & Pittsburgh RR
- 4 Southern Pacific RR
- 5 Ash. Chicago, Burlington & Quincy RR
- 6,7 2" Pennsylvania RR
- 8 AD 2" Pennsylvania RR
- 9 AY 1 ½" Des Moines & Central Iowa RR
- 10 2 x 3/16 Chicago & Eastern Illinois RR (malleable iron)

Milwaukee Road -

2 x 9/40 rnd I stl (07)



Ayer & Lord – The indent 34 has been found in ties in test sections on the Illinois Central RR. Ayer & Lord 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. All nails are Type (07).

2 ½ x ¼ rnd I stl (07)



Varieties - This includes a 1939 with a raised AL and a hand stamped indent date. This is the same format as the 1932:b round indent shown in the books and in the photo above.



There is an ongoing question regarding these AL nails. The raised 38 comes with AL and also A&L. It is thought by some collectors that the A&L 38 is the only true Ayer and Lord nail and that all the nails without the "&" are from American Lumber Co.

Other Indent Letter A nails of steel, copper, brass or aluminum



AC (05) 2 1/2 x 1/4
sq r l stl. Atlantic
Creo



ACW 36
rnd l stl
Atlantic Creo



ACW 36
rnd l stl
Atlantic Creo



ACW 36
rnd l cop
Atlantic Creo



ACW 36
rnd l cop
Atlantic Creo



A #1 (61) 1 1/4 x 3/16
rnd l copper -
Cent. Hudson
Gas & Elect.



AWP 1 1/4 x 3/16
rnd l copper (61)
Alabama Wood
Products (?)



1 1/2 X 1/4 rnd l alum
Clendenin nail stamped
by Premax. Used by
Nova Scotia Power to
Number buildings etc.



A #1 () 3 x 1/4
rnd l brass.
Alma, NE



A () 2 x 3/16
rnd l almu -
user Unknown

Ace Pole Co. - All are () 1 x 3/16 rnd l alum except the Ace 83.



1 x 3/16 rnd l alum



2 1/2 X 1/4 rnd R stl



- A 1-3 Louisville & Nashville RR
 4 2" GM. Union Pacific RR
 5 2". Louisville & Nashville RR
 6 ABR. Soo Line
 7 Montana Power
 8 Mexican Pacific RR
 9 2 1/2 x 7/40. Union Pacific RR
 10 2 1/2 x 3/16 gm. Union Pacific RR
 11 2". Louisville & Nashville RR

Pacific Railroad of Mexico - 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

2 1/2 x 1/4 rnd R stl (31)



Ayer & Lord — Ayer & Lord owned three treating plants as of 1930. Carbondale, IL (built in 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. All nails are Type (07). An example of the 1932 and 1939 nails has the factory A L raised and the dates are indent hand struck.. There is an ongoing question regarding these AL nails. The raised 38 comes with AL and also A&L. It is the thought by some collectors that the A&L 38 is the only true Ayer & Lord nail and that all the nails without the "&" are from American Lumber Co.

2 ½ x ¼ rnd R stl (07)



Other Raised Letter A nails of steel, copper, brass or aluminum



AC (07) 2 1/2 x 1/4
sqr R stl. Atlantic
Creo



AFP 27 ()
Am. Forest Prod. (?)
1 1/2 x 1/4 rnd R cop

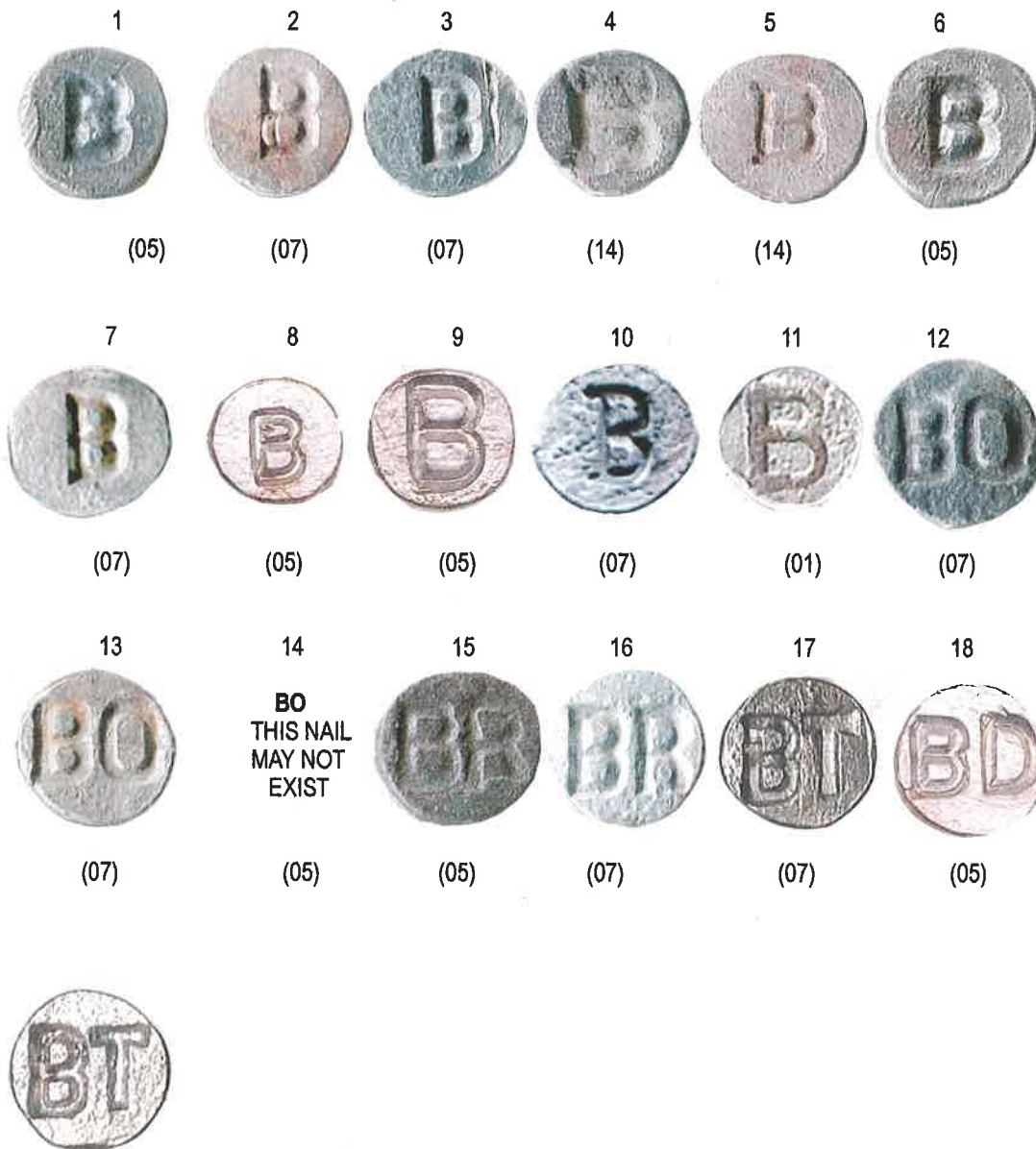


AT () Two sizes
1 x 3/16 and 1 x
1/8. Unknown
User



A 2 ½ X ¼ sqr R stl
(7) User Unknown

2 ½ x ¼ rnd l stl – Unless Noted



- B 1-6 Beech. Buffalo, Rochester & Pittsburgh RR
- 7 Southern Pacific RR
- 8,9 2". Pennsylvania RR
- 10 Red Birch. Chicago, Burlington & Quincy RR
- 11 Mississippi River & Bonne Terre RR
- 12-14 BO. Black Oak. Buffalo, Rochester & Pittsburgh RR
- 15-16 BR. Birch. Buffalo, Rochester & Pittsburgh RR
- 17 BT. Bell Telephone pole nail found in St. Louis, MO area (Also see variation and copper nail)
- 18 BD. 2". Pennsylvania RR

Other Indent Letter B nails of steel, copper, brass or aluminum



B () 1 1/2 x 1/4 ri
alum. Clendenin/Premax
nail used by Nova Scotia
Power to number bldgs.



B () 1 1/2 x 1/4 ri
alum. Borate treatment
nail used by BPB in ties



B () 1 1/2 x 1/4 ri
alum. Borate treatment
nail. BPB treated ties used
by Norfolk So. RR



B () 1 1/2 x 1/4 ri
alum. Borate treatment
nail. Found in ties



BRT () 1 1/2 x 1/4 ri
alum. Borate treatment
nail used by Stella Jones
for treated ties



B 6 (07) 2 1/2 x 1/4
ri stl - St.Louis, Rocky
Mtn & Pac. 1906



B 8 2 1/2 x 1/4 (07)
ri, stl. (Unknown)
May be GN or StRM&P?



BT (07) 2 1/2 x 1/4
ri, copper. Bell Tel.
Found in St. Louis area



unknown user
2 x 1/4 HS ri cop



BPP 95 is wood
treatment nail
1 1/2 x 1/8 ri alum



B #2 (05) 2 1/2 x 1/4
stl. Benton
Harbor, MI (poles)



BEC #12 () 3 x 1/4 sqr l
ri bronze. Clendenin/
Premax nail. Bluebonnet, TX



BI 2 1/2 x 1/4 sqr l stl
(05) SP User Unknown

Burke-Parson-Bowlby (BPB) – Wood treatment company that used small aluminum nails in their products as well as a larger aluminum “B” nail (Borate treatment) for treated rail ties. This company was sold to Stella-Jones (Canada) in 2008. They stopped using date nails in 2008 but continue to use the “B” nails.
Note: the initial nail is the only raised nail in the series. It only has “BPB” on it and is smaller with no anchors.

1 x 1/8+ rnd l alum



rnd R



1 1/2"



BAXCO (J. H. Baxter & Co.) - 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.

1 ½ x ¼ rnd l copper (dates)



1 ½ x ¼ rnd l copper (overstrikes and extra characters)



W.P. Brown & Sons Lumber Co.? - Found in Kansas

1 x ¼ rnd l copper



Bay City Light Dept. (MI) – It has been reported that these hand stamped copper nails were used from 1956 through 1960. They have a large 1 1/4" inch head.

2 x 1/4+ rnd l copper (hs)



Baxley Creosote Co (Baxley, GA) – Fence post treating company that used both aluminum and steel nails. The two known steel nails (CBC96 and 97 have concentric rings on the underside of the head). The CBC 81 is 3/4 x 3/16, the others are 1 1/2 x 1/8+



The '81 is raised alum

2 1/2 x 1/4 rnd R stl – Unless Noted



- B 1,2 Louisville & Nashville RR
 3 Soo Line, Missouri Pacific RR & Wisconsin Public Service
 4 1 1/2". Unknown user
 5 Mexican Pacific (see variation below)
 6 Detroit Edison
 7 2" GM. Union Pacific
 8 2". Louisville & Nashville RR
 9 Malleable Iron. Reading RR
 10 1 1/2". Canadian Nat'l. RR. From ties near Prince Albert, Sask. Round shank. Blunt chisel point



Baxley Creo (GA)
 3/4 x 3/16 rr alum



B 2 1/2 x 1/4 sqr R stl
 (07) User Unknown

Bell Telephone of Canada (BT) and Bell Canada (BC)

There are several sets of these nails. It is not known if all sets consist of 0-9 nails, but in one case, BC small letters/number the set goes to 10.



BT: Narrow spacing between the B and T. These nails have an oval shank and chisel point



BT: Wide spacing between B and T. These nails also have an oval shank and chisel point



BT: Large BT and number. These nails have a round shank and diamond point



BC: Small letters and small numbers. These nails have a round shank and diamond point



BC: Small letters and large numbers. These nails have a round shank and diamond point.



BC: Large letters and small numbers. These nails have a round shank and diamond point



BC: Large letter and large numbers. RSDP



BC: (Arched Letters) Small letters and small numbers. I am not sure of the shape of the shank or the point style on these.



BC: (Arched Letters) Small letters and large numbers. These nails are oval shank chisel point.



BC (Arched Letters) Small letters close together. Large numbers. Oval shank chisel point.



BC: (Arched Letters) Small letters and large numbers. These nails have a round shank but a chisel point.



This nail is either BCO or BC zero all on a straight line. It could be a "stand alone" nail meaning Bell Canada Co. or it could also be Bell Canada 0. I do not know the shank shape or point style.

British Columbia Hydro

British Columbia Hydro started using nails in the early 1930's. I have spoken with representatives of that company and they have sent me nails and information. The following list are of nails that I am sure they used. I am also sure that there are others that are not shown. But I did not want to add nails to this list that did not belong. Below is a representative photo of the various shapes and patterns used by them in the placement of the BCH letters and numbers. The steel nails are shown in the Type section of this booklet. Point types are noted in the description.

OVAL SHANK
CHISEL POINT

ROUND SHANK
DIAMOND POINT



British Columbia Hydro

Listed are only the nails I am sure exist. Years not listed may exist but there are reports that in a few cases washers or discs may have been used instead of nails. Abbreviations used: OSCP= oval shank chisel point; RDP=round shank diamond point; RCP=round shank chisel point. BCH letters over or under the date number and if those letters are in a straight line or arched. NOTE: the 89 has a large "C" in BCH.

YEAR	TYPE	SIZE	SHANK	METAL	DESCRIPTION
1944	39	2 ½ X ¼	OSCP	STL	TWO DIGIT DATE
1945	↓	1 ½ X ¼	↓	↓	↓
1946	↓	2 ½ X ¼	↓	↓	↓
1947	↓	↓	↓	↓	↓
1948	()	1 ½ X ¼	OSCP	ALUM	↓
1949	↓	↓	↓	↓	↓
1954	↓	↓	↓	↓	↓
1957	↓	↓	↓	↓	↓
1959	↓	↓	↓	↓	↓
1960	↓	↓	↓	↓	↓
1961	↓	↓	↓	↓	↓
1962	↓	↓	↓	↓	↓
1963	↓	↓	↓	↓	↓
1964	↓	↓	↓	↓	↓
1965	↓	↓	↓	↓	↓
1968	↓	↓	↓	↓	↓
1969	↓	↓	↓	↓	↓
1970	↓	↓	↓	↓	↓
1971	↓	↓	↓	↓	BCH UNDER/STRAIGHT
1973	↓	↓	↓	↓	BCH UNDER/ARCHED
1974	↓	↓	↓	↓	BCH UNDER/ARCHED
1975	↓	↓	RDP	↓	BCH UNDER/STRAIGHT
1975	↓	↓	OCCP	↓	BCH UNDER/STRAIGHT
1976	↓	↓	↓	↓	BCH UNDER/STRAIGHT
1977	↓	↓	↓	↓	BCH UNDER/STRAIGHT
1978	↓	↓	↓	↓	BCH UNDER/STRAIGHT
1979	↓	↓	↓	↓	BCH OVER/STRAIGHT
1980	↓	↓	RDP	↓	BCH OVER/ARCHED
1981	↓	↓	RDP	↓	BCH OVER/ARCHED
1981	↓	↓	OSCP	↓	BCH OVER/ARCHED
1982	↓	↓	RDP	↓	BCH OVER/ARCHED
1983	↓	↓	OSCP	↓	BCH OVER/ARCHED
1984	↓	↓	RDP	↓	BCH OVER/ARCHED
1985	↓	↓	↓	↓	BCH OVER/ARCHED
1986	↓	↓	OSCP	↓	BCH OVER/ARCHED
1986	↓	↓	RDP	↓	BCH OVER/ARCHED
1987	↓	↓	↓	↓	BCH OVER/ARCHED
1988	↓	↓	RCP	↓	BCH OVER/ARCHED
1989	↓	↓	RCP	↓	(SEE PHOTO - BIG C)
1990	↓	↓	RDP	↓	BCH UNDER/ARCHED

British Columbia Hydro (cont'd)

YEAR	TYPE	SIZE	SHANK	METAL	DESCRIPTION
1991	()	1 ½ X ¼	RDP	ALUM	BCH OVER/ARCHED
1992					BCH UNDER/ARCHED
1993					BCH UNDER/ARCHED
1994					BCH OVER/ARCHED
1995					BCH UNDER/ARCHED
1996					BCH UNDER/ARCHED
1997					BCH OVER/ARCHED
1999					BCH UNDER/ARCHED
2000					BCH OVER/ARCHED
2001					
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					
2009					BCH UNDER/ARCHED
2010					BCH OVER/ARCHED
2011					
2012					
2013					
2014					



British Columbia Telephone

Here are the known nails for BCT – or at least the ones I could confirm. You will note that the first nail – 1958- uses the letters BTC. Was this a misprint? All nails thereafter have BCT with the exception of the 73 and 73 which just have the “T” and the date. As far as the shanks go, all nails are 1 ½ x ¼ and all are aluminum. All are also round shank diamond point **with the exception of the 73T and the BCT 78 which have an oval shank and chisel point.** You will also notice that the date is above the letters – with the exception of the 78. The 64 is round shank diamond point.



(My thanks to Skip Kilpatrick for the fine scans of these nails)

2 1/2 X 1/4 rnd l stl – Unless Noted



- C 1 Unknown
- 2 So. Pacific RR and Buffalo, Rochester & Pittsburgh RR. On the BR&P it stands for Chestnut
- 3 Chestnut. Buffalo, Rochester & Pittsburgh RR
- 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 RR
- 9 CP 1 1/2 x 3/32. Missouri Pacific RR. (The diameter measurement is probably not accurate. The shank is "suarish." Letters appear to be hand stamped?
- 10-12 CY Cherry. Buffalo, Rochester & Pittsburgh RR
- 13 Qlty of Trinidad, CO
- 14 Cedar Fallos, IA (may be a Type (05) ?)

Colman Co. or Cascade Creosoting Co. (?) - No definitive answer has come up as to which company made these nails. With the exception of the large dated 27 and 28 the rest seemed to have been struck with the same set of hand stamped numbers. The washers for 1926 are raised. Those and the C 27 and C28 appear to have been machine stamped while the rest are hand stamped and indented. Other examples of these nails exist. Best guess on what the numbers indicate are: Left (probably the depth of the pole). Right (height of the pole). Bottom (date).

1 ½ x ¼ rnd l hs copper – Washers are flat with small hole for regular nail.



Bear Valley Electric Service – Big Bear Lake, near San Bernardino, CA. Used as pole class nails. Bronze 3 x ¼ rnd l manufactured by Clendenin Brothers of Baltimore, MD and stamped by Premax Co. of MN.



Other Indent Letter C nails of steel, copper, brass or aluminum



- 1 CB. 3 x 1/4 ri brass. Clendenin nail stamped by Premax.
- 2-5 CPPD. Copper Indent. Consumer Public Power District. (Nebraska)
- 6 CUST. Copper Indent. Customer owned poles.
- 7 CITY. Copper Indented. Grand Island, Nebraska.
- 8 CPCO. Copper Indent. Central Power Company. (07) 1 1/4 x 1/4
- 9-10 C 8 & C 18. 2 1/2 x 1/4 ri stl. Unknown. These are probably not GN or SLRM&P RR Nails.
- 11 C 21, 2 x 17/16 ri stl. Unknown - small "C" inside cigar band logo?
- 12 C-S, Brass Indent. 3 x 1/4. City of Shelby, North Carolina.
- 13 1 1/4 x 3/16 ri cooper (60). Galveston Electric Company.
- 14 CE. 2 1/2 x 1/4 sqr l stl, round shank and point. User Unknown ()

2 ½ x ¼ rnd R stl



- | | |
|--------|--|
| C 1,2 | Louisville & Nashville RR |
| 3,4 | 2". Louisville & Nashville RR |
| 5 | Moshassuck Valley RR (2nd hand) and Wisconsin Public Service |
| 6 | Mexico |
| 7 | Missouri Pacific RR |
| 8 | Pennsylvania RR |
| 9,10 | CS. Curve to Spiral. Baltimore & Ohio RR |
| 11 | CAS. 2". Louisville & Nashville RR |
| 12, 13 | CPS CO, Community Public Service, NM and TX |
| 14 | CROC / SN MAT CA / LEAS. Illinois Central Gulf RR (Tie lease nail) |
| 15 | CILC / OWNER. Illinois Central Gulf RR (Tie lease nail) |
| 16 | 2" GM. Union Pacific RR |
| 17 | Canadian. Found with CP nails in ties. Meaning unknown |
| 18 | Louisville & Nashville RR / Consumer's Power Co. |

Hydro Electric Power Commission (HEPC) – Ontario, Canada

These Class nails were used to designate the diameter (Class) of the pole.

1 ½ x ¼ rnd R oscp alum ()



Other Raised C nails



These two 1 ½ x ¼ rnd R oscp nails
were used by Hydro Quebec ()



Century Wood Preserving Co
Copper raised. Hdqts in Pittsburgh.
Found in NJ and Washington D.C.



Another nail used
by Hydro Quebec
1 1/2 x 1/4 rr oscp alum



C (Carney Pentrex)
(25) 1 ½ x 3/16 rr



C (carney-Pentrex)
(25) 1 ¼ x 3/16 rr

2 1/2 X 1/4 rnd l stl



- D 1 1 1/4 x 1/4" Dierks Treating
 2 Southern Pacific RR
 3 1 1/4". Dierks Treating Found in 1 1/4 and 2 1/4" shank lengths
 4 2". Pennsylvania RR
 5 Cottonwood. Chicago, Burlington & Quincy RR
 6 DL. User Unknown

Duncan, OK Power & Light - Nails are made by Clendenin Bros. and stamped by Premax

1 1/2 x 1/4 rnd l alum



Other Indent D nails - Steel, Copper, Brass and Aluminum



DCC () 1 3/4 x 3/16-
rnd l alum. Unknown

DL 1 x 3/16 copper
indent. No. States
Power

2 1/2 X 1/4 rnd R stl

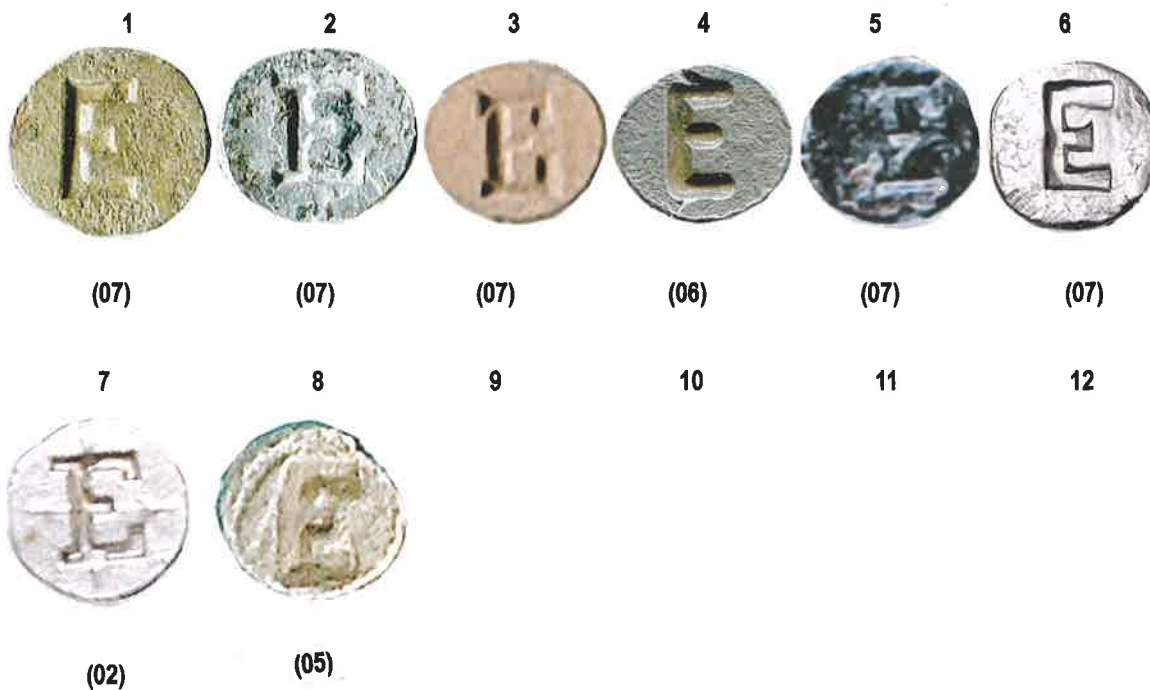


- D 1,2 Wisconsin Public Service. Two head sizes
 3 Detroit Edison
 4 National Railways of Mexico
 5,6 Louisville & Nashville RR
 7 2". Louisville & Nashville RR
 8 Malleable Iron. Reading RR

Other rnd R "D" nails - steel, copper, brass and aluminum. Sizes noted



2 ½ X ¼ rnd l stl



- E 1,2 Southern Pacific RR
 3 Elm. Buffalo, Rochester & Pittsburg RR
 4 Chicago & North Western Railway
 5 White elm. Chicago, Burlington and Quincy RR
 6 Pennsylvania RR. Similar to E #1
 7 Variety of E #2. Southern Pacific RR. So-called "Compass E" because of the die crack that gives the head of the nail the appearance of cross-hairs or compass markings.
 8 Unknown

Other rnd l "E" nails -steel, copper, brass and aluminum. Sizes noted

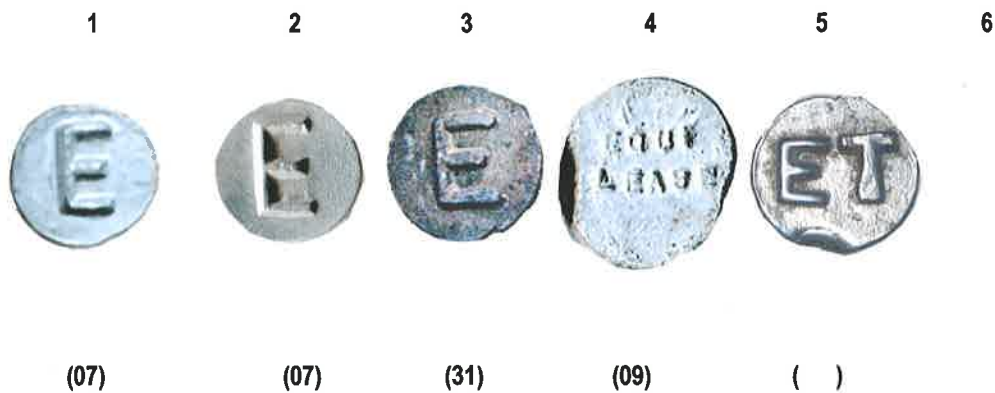


Variety of E #6
 (07) Pensy RR

1 1/4 x 3/16 (60) Copper Indent
 Galveston (TX) Elect. Co.

ERES
 Unknown user
 copper ind.

2 1/2 x 1/4 rnd R stl



- E 1 Louisville & Nashville RR
- 2 Soo Line, Detroit Edison and Tri-States Telephone & Telegraph "East." (See "W" for "West.")
- 3 Mexico
- 4 EQUI / LEAST. Illinois Central Gulf RR (tie lease nail)
- 5 ET. Chisel Point. Unknown use or user This nail was found in Chicago area in a tie with
 Santa Fe 9. Size is 2 1/2+ x 5/16. Tapered Head.

Other raised "E" nails - Steel, copper, brass and aluminum. Sizes noted.

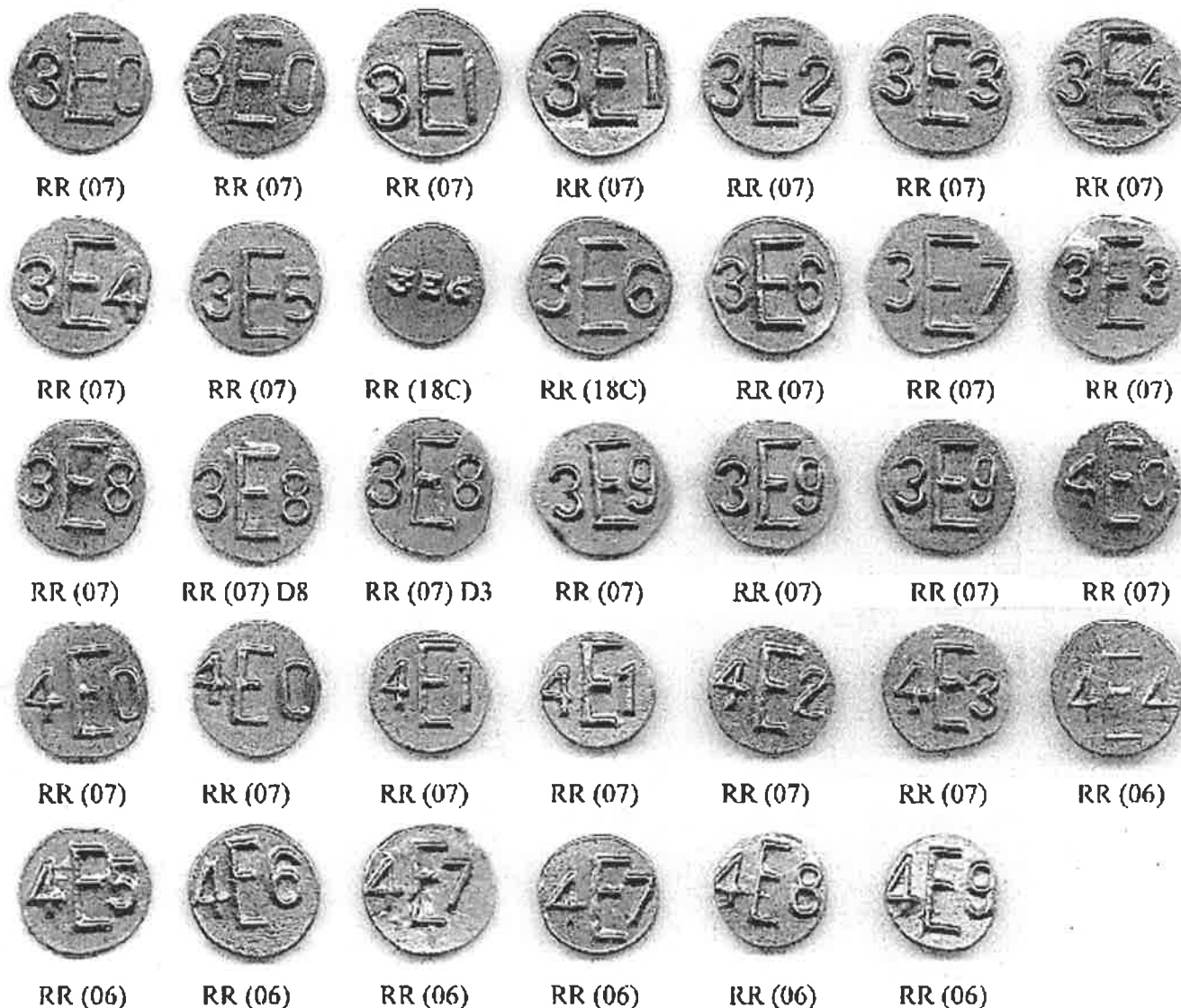


E #1, (07) 2 1/2 x 1/4
 sq R stl. Iowa
 Power & Light

My thanks to Skip Kilpatrick TDNCA 1147) for sharing this scan of his So. California "E" Edison set of nails

Southern California Edison Co. 2 x 1/4 rnd R stl. The small 36 is 2 1/2 x 1/4, and the 47 comes with both a 1/4 and 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).

E - Nails



Variations



Southern California Edison used these "E" nails to indicate which poles had been refurbished at their own treating plant from 1930 to 1949. There are a total of 34 distinctively different "E" nails, not to be confused with the minor variations as has been done previously in other date mail publications. "E" nails average 2 1/4" in length with the exception of nail #10 which is 2 5/8" long. Extreme variations from the normal length up to 1 1/2" are known, but very rare. Nails #10, 12, 13, 18, 19, 21-26, 31, 33 and 34 have a 1/4" "thin shank". All other "E" nails have a "thick shank" of 5/16". Varied designs on the shanks are important in nail identification - in particular nails #15, 16 and 17. The "varieties" that exist among the "E" nails are actually minor errors - irregular positioning of the date, or a small head without enough space to include the entire date. "E" nails are very uniform, and even the most common variations are quite scarce. All drawings on this chart are exact duplications made from the nails. On the large white chart, these drawings are reproduced at actual size. Attempting to place values on these already-scarce nails is futile, especially since they are becoming more extinct all the time.

Note degree to which numbers cover head.

--	--	--	--	--	--	--	--	--	--	--	--

Note proximity of 1 to letter "E".

Note proximity of 4 to letter "E".

The 3E6 SMALL is regarded by many as the rarest "E" nail. It is indeed one of the rarest and also unique. It is perhaps the most sought after.

Note smallness of 3 and 8.

SHANK - NAIL #15 Note point on "E" and Diamond faces 3. Ripple through "E".

Note protrusions on letter "E".

Pay careful attention mainly to the size of the zeros and also to the degree to which the numbers cover the heads.

TYPICAL VARIETIES (ERRORS)

--	--	--	--	--	--	--	--	--	--	--

#1 3E0 SHIPPED DATE

Note variations in style and size of numbers.

Very Rare

--	--	--	--	--	--	--	--	--	--	--

Caution! Heads often pop off as nail is pulled.

SHANK - NAILS #16 & 17 Diamond faces 8 on #16. Diamond faces 3 on #17.

Caution! Heads bend easily.

Note proximity of "E" and 7 from edge of head.

THIN SHANK 1/4"

THICK SHANK 5/16"

2 1/2 X 1/4 rnd l stl



- F 1 Southern Pacific RR
 2 Chicago, Burlington & Quincy RR. (Probably Fir)

Other indent "F" nails - Steel, copper, brass and aluminum. Sizes noted.



- F 5 Diamond Indent
 (07) 2 1/2 x 1/4 with
 HB shank. Probably
 Santa Fe

Great Northern "F" letter/date nails - 2 1/2 x 1/4 rnd l stl. Type (07)



Die plug on "F"

2 1/2 x 1/4 rnd R stl



(11)

- | | |
|------|---|
| F 1 | Detroit Edison |
| 2 | Mexico |
| 3 | 2". Louisville & Nashville RR |
| 4 | Louisville & Nashville RR |
| 5 | F/NB. 1 3/4 x 3/16. Chicago & North Western Railway |
| 6 | FML. Illinois Central Gulf RR (Tie lease nail) |
| 7 | FTLC. Illinois Central Gulf RR (Tie lease nail) |
| 8 | 2" GM. Union Pacific RR |
| 9-11 | Forest Products Treatment nails. #9 is 1 x 1/4, #10 and #11 are 2 x 1/4 |
| 12 | Canadian. Chisel point |
| 13 | Malleable Iron. Reading RR |

Other raised "F" nails - Steel, copper, brass and aluminum. Sizes noted



Frost Lmbr Co
1 1/2 x 3/18 rnd R stl.

2 ½ X ¼ rnd l stl



- G 1-5** California. Indicates a buried gas line near the pole into which the nail was driven. Numbers 2-5 were used by Los Angeles Gas & Electric Corp.
- 6,7** Used as the "G" in "IGS" by Indiana General Service.
- 8,9** Southern Pacific RR
- 10** Gum. Buffalo, Rochester & Pittsburgh RR
- 11,12** GE. General Elect?
- 13** Probably Gum. Chicago, Burlington & Quincy RR

Other rnd I "G" nails — steel, copper, brass and aluminum. Sizes noted.



G (07) 2 ½ x ¼
sqr I stl. "G" in Ind.
Gen'l. Svcs,



1 ¼ x 3/16 ri cop
Galveston Elect.



GE 30
Galveston Elect



GPS 1 ½ x ¼ ri alum
Clendenin Mfg/Premax
stamped. User unknown



G 10 and 11. Malleable Iron
2 x 3/16 ri (13). Pensy RR



Goodland (KS) Service
2 x 1/4 copper ind. hand
stamped letters/factory date



Gulf Oil Co. to mark power
lines on property

3 x 1/4 brass. Greater
Pasco (WA) Util. Dept.

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

1928-1934 are copper indent.
1935-1937 are copper raised



2"

2" & 2 1/2



2 1/2 x 1/4

2 & 2 1/2

Oversrikes-



2 1/2 x 1/4 rnd R stl



- G 1 Detroit Edison and the "G" in Indiana General Service
 2,3 Detroit Edison
 4,5 Mexico
 6 2" GM. Union Pacific RR

Other end R "G" nail - steel, copper, brass and aluminum. Sizes noted



GUP 1 1/2 x 1/4 rr
 alum. Guelph pole nail
 for poles made for ONt. Hydro



2 1/2 x 1/4 irr. rr sq shank
 VA Elect. Pwr. Pole nail
 designating gas line below



3 X 1/5 rnd R stl
 twisted shank
 Masonary nail

Georgia Creosoting – 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.

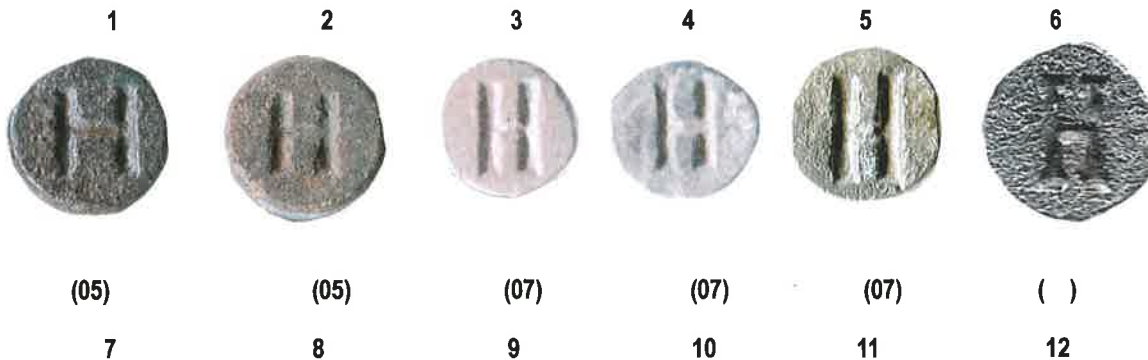
2 ½ x ¼ sar R stl (07)



Greenfield (MA) Electric Light & Power Co. - Copper. Letters are raised, numbers are indented.



2 1/2 X 1/4 rnd l stl



(07)



The H #6 CB&Q was found with a () 03 end l date nail in the tie indicating the H was put in at the same time.

- H 1-4 Hickory. Buffalo, Rochester & Pittsburgh RR
 5 Southern Pacific RR
 6 Hasselmann treatment. Chicago, Burlington & Quincy RR. There is some evidence that this H may also indicate an experiment with Hackberry timber for ties.
 7 Hemlock. Chicago, Burlington & Quincy RR
 → more likely: Hasselmann Process

Other rnd l "H" nails - Steel, copper, brass and aluminum. Sizes noted.



H 10 and 11. 2 x 3/16
 rnd l (13) Malleable Iron
 Used by Pennsylvania RR

1 1/2 X 1/4 rnd l alum
 HS or SH? Unknown



H rnd l stl 2 3/4 x 1/8
 found with plate in
 SP trestle in TX

Houston Wood Preserving Co. - Copper Indent. In 1927 they used a brand in poles with a steel rnd R (05) 27 date nail. This firm ran a treating plant in Houston, built 1923.



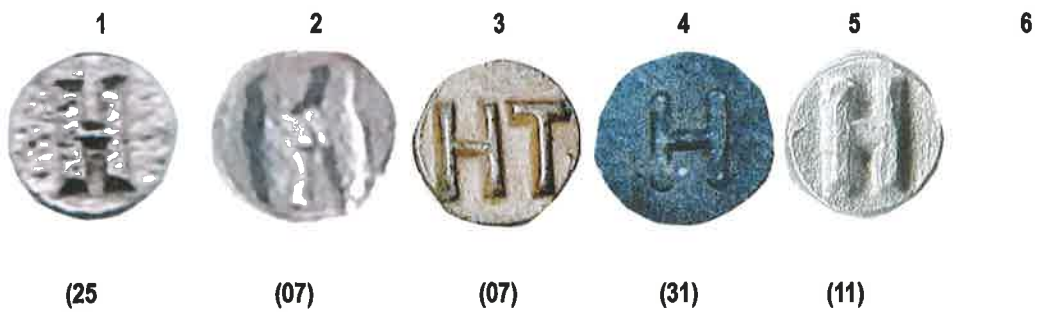
Bear Valley Electric Service – Located in Big Bear Lake, CA near San Bernardino. These are pole class bronze nails, 3 x ¼ manufactured by Clendenin Brothers of Baltimore, MD and stamped by Premax Co. of MN.



Xcel Energy Co. - 1 ½ x ¼ aluminum pole class nails



2 ½ x ¼ rnd R stl



- H 1 Detroit Edison
2 Soo Line
3 Home Telephone (Ohio)
4 Mexico
5 Malleable Iron. Reading RR

Other rnd R "H" nails - Steel, copper, brass, bronze and aluminum. Sizes noted.

Hydro Electric Power Commission (HEPC) - By far the largest set of date and code nails used in Canada. The HEPC used date nails from 1927 until 1948 when they used what is termed a "chair leg" metal nail with the letters HEPC on them. From 1948 to 1985 they used a 1 ½ x ¼ aluminum nail with the date and HEPC on the nail. Some of these nails were oval shank chisel point and some years were round shank diamond point. After 1985 the name changed to Ontario Hydro and the HEPC was replaced with an electric plug symbol. The nails changed again when in 2000 it became Hydro One (SEE THIS SET ON FOLLOWING PAGE). These three hydros had their headquarters in Ontario Canada, but did interchange power with Quebec and Manitoba.

1 ½ x ¼ rnd R aluminum — Some oval shank chisel point, some round shank diamond point.



Hydro One (Ontario Canada Power Supplier) – Originally known as Hydro Electric Power Commission (HEPC) it became Ontario Hydro in 1985 and changed names again in 2000 to Hydro One. I have a die for a nail with H1 Over 00. I have never seen the nail but the die was made. There are several variations of these nails. I am told that originally they were all made with H1 over the single digit number. But die cracks appeared and for some reason it worked better to have the single digit over the H1. But there are other examples, HO for example, denoting Hydro One and not the number H1. All recent nails have the single digit number over the H1. All nails are 1 1/2 x 1/4 rnd R aluminum. As with Bell Canada and Quebec Hydro, two nails are used to indicate the year (ie. An H1 1 and H1 6 to indicate 2016).

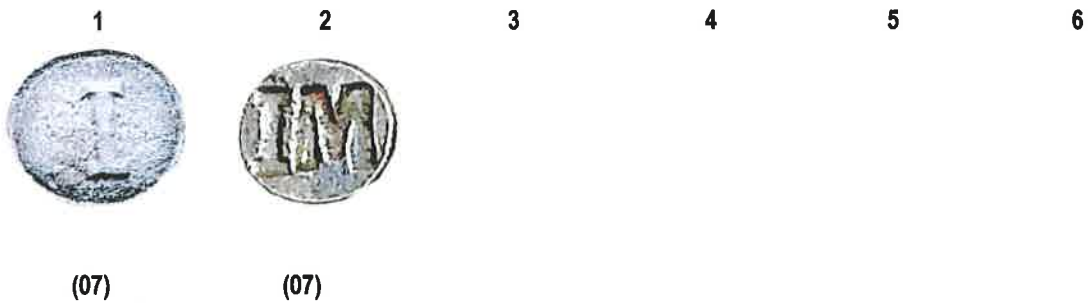


Ontario, Canada – Hydro One 1 1/2 x 1/4 rr aluminum date nails / with dies



THE VARIOUS LOOKS OF HYRO-ONE NAILS
1 1/2 X 1/4 RR, ALUM
ONTARIO, CANADA

2 1/2 x 1/4 rnd l stl

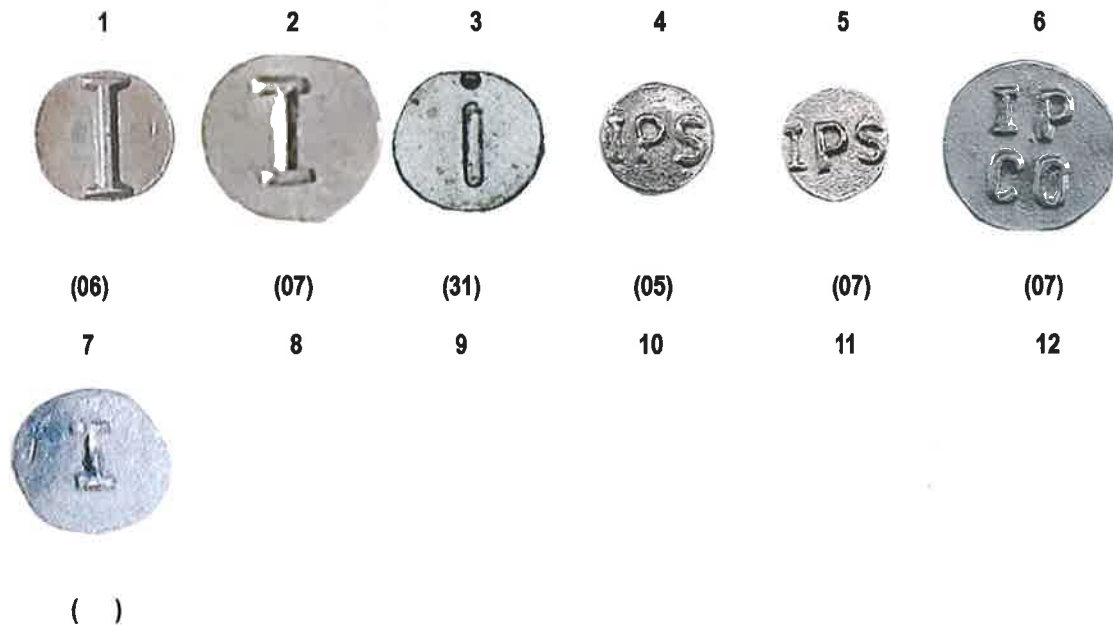


- 1 1 Beech. Chicago, Burlington & Quincy RR
 2 IM. Indiana & Michigan Electric Co.

Other indent "I" nails - Steel, copper, brass, bronze and aluminum. Sizes noted.



2 1/2 X 1/4 Rnd R stl – Except where noted.



- 11 Inspected. 1 1/4". Wisconsin Telephone Co
- 2 Inspected. 1 1/4". Wisconsin Electric Power Co.
- 3 Mexican Pacific RR
- 4,5 IPS. 2 1/2 x 3/16. Iowa Public Service
- 6 IP/CO. 2". Interstate Power Co. From Minnesota, Iowa & Illinois
- 7 Canadian. Found in W Canada. This has a chisel point more like a wedge than normal chisel point.

Other raised "I" nails - Steel, copper, brass, bronze and aluminum. Sizes noted.



IP 2 1/2 x 1/4 sqr R stl
Illinois Power (07)



IM 2 1/2 x 1/4 sqr R stl
Indiana/Mich Elect (07)

Again, my thanks to Skip Kilpatrick for sharing these two scans of his Int'l. Creosoting set. It helps in keeping the indent and raised nails separate as well as the copper and steel nails. There are many small variations in these nails, but most, if not all, of the major variations are shown in these two scans.

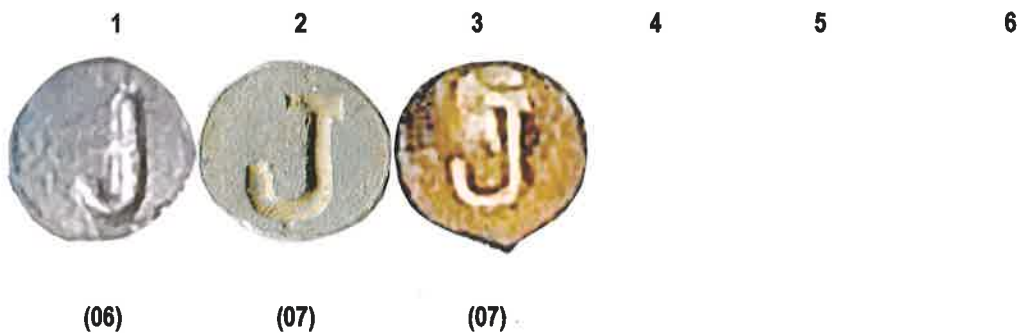
International Creosoting & Construction Co. - The 22-27:b are copper indent.

At least the 24-27 are 1 1/4 x 1/4 end R copper (07). 27:c is cast raised malleable iron, and the 28-42 are 1 3/4 x 1/4 rnd R stl (07). A factory sample cast raised 26 also exists.





2 1/2 x 1/4 rnd l stl – All are 2 1/2 x 1/4 except where noted



- | | |
|-----|---|
| J 1 | California. Southern California Edison. Joint Ownership of pole |
| 2 | Southern Pacific RR |
| 3 | Indiana/Michigan Elect. (Similar to J #2) |

Other indent "J" nails - Steel, copper, bronze and aluminum. Sizes noted.



Joint Pole Nails – Various Type and sizes and variations. Users include the Delaware Valley Telephone Co. of Port Jarvis, NY.

Type (60) -copper – rnd l



2 x 1/4



2 1/4 x 1/4



2 1/2 x 1/4



2 x 1/4



2 1/2 x 1/4



2 1/2 x 1/4

Type (07) – copper



All on this line are 2 1/2 x 1/4 rnd l

Other examples of J copper indent nails – Not sorted by size or Type



Joyce Watkins Treatment nails – 2 1/2 x 1/4 rnd l copper Type (07). Details of user unknown.



2 ½ x ¼ rnd R stl - All are 2 ½ x ¼ except where noted

1

2

3

4

5

6



(31)

(07)

- J 1 Mexican Pacific RR
2 Joint Guy Pole Nail. Pacific Gas & Electric Co. (CA)

Other Raised "J" nails - Steel, copper bronze and aluminum. Size noted.

2 1/2 X 1/4 rnd l stl — All are 2 1/2 x 1/4 except where noted



- K 1 Pignut hickory. Chicago, Burlington & Quincy RR
2 KEP. 2 and 2 1/2". Kansas Electric Power

Other Indent "K" nails - Steel, copper, bronze and aluminum. Size noted.



Kerrville (TX) Pub.
Util. Board. Bronze
3 x 1/4 rnd l Clendenin
nail stamped by Premax

2 1/2 x 1/4 rnd R stl — All are 2 1/2 x 1/4 except where noted

1

2

3

4

5

6



(25)

K 1 Detroit Edison

Other Raised "K" nails - Steel, copper, bronze and aluminum. Size noted.



KEP copper raised
2 1/2 x 1/4 (12?)
Kansas Elect. Power

Koppers "K" nails — All are 2 ½ x ¼ rnd R stl except where noted.



- | | |
|----------------|---|
| 1, 2, 5 | Pole nail found in KY, IL and OH. |
| 3, 6, 7, 9, 10 | Prescott & Northwestern RR. #3 is 2" long. |
| 4 | Two shank lengths: 2", found on the Prescott & Northwestern RR, and a 2 1/2" nail found in poles in KT, IL and OH. One 2" K/41 was found in a Maine Central RR tie. |
| 8 | Found on the Prescott & Northwestern RR and the Fonda, Johnstown & Gloversville RR. |
| 11, 12 | Very small "thumb tack" sized nails. Less than one inch shank with two small barbs on the end of the shank. |

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.

2 1/2 X 1/4 rnd I stl – All are 2 1/2 x 1/4 except where noted



- 1 L1 Poplar, Chicago, Burlington & Quincy RR
- 2 LGE Lincoln Gas & Electric, Nebraska
- 3 Unknown

Great Northern rnd I "L" nails - May stand for Larch timber used for ties, or for Lowry type of tie treatment? Since most of the other letter nails used by GN stood for timber type the "L" may be larch.

2 1/2 X 1/4 rnd I stl (07)



Other indent "L" nails - Steel, copper, bronze and aluminum. Size noted.



LCRA 3 x 1/4 rnd I bronze
Lower Colo. River Auth.
Clendenin/Premax nail



LPD 2 x 1/4 rnd I
copper. Loup Pwr
Dist. NE



LES 2 x 1/4 rnd I copper. Lincoln
Elect. System. Two shank styles
regular shank / ring shank



LTP 1 1/2 copper
Type (07) and (39)
Unknown user



LTX rnd I alum
Unknown User

2 ½ X ¼ rnd R stl – All are 2 ½ x ¼ except where noted



- L 1 2". Louisville & Nashville RR (used as a 7)
 2 LFC / OWNER / 1151.1 / LS. Illinois Central Gulf RR. Tie lease nail
 3 LFC / OWNER / 1151.2 / LS. Illinois Central Gulf RR. Tie lease nail
 4 2" GM. Union Pacific RR
 5 Louisville & Nashville RR
 6 Louisville & Nashville RR

Other raised "L" nails - Steel, copper, bronze and aluminum. Size noted.



2 1/2 x 1/4 sqr l stl (18)
 Union Pac. RR from
 1964 test sections



L 1 1/2 x 1/4 cop (12)
 Left twist. Southern
 California Edison

Long – Bell Lumber Co. Founded in 1887 and viable until 1956. Headquarters in Kansas City. They used copper indent nails, Hubbard raised nails and steel raised nails. Nails found in KS, NE, OK, and TX.



Copper Indents

Hubbards



Steel nails are 1 ½ x 13/64 and R stl. The 37 also comes in a 2" shank.

Very good WEB page for history of Long – Bell Lumber Co.

<http://ereserves.mcneese.edu/depts/archive/FTBooks/king.htm>

Langdale Forest Products. Valdosta, GA – In a few U.S. States in the Southeast fence post warranty law required the use of a nail to identify the year the post was treated. Langdale has used these nails since 1953. Early years used small steel nails with raised “L” and date. This changed to a small aluminum raised nail and finally starting in 1987 the nails have been indented aluminum nails. There is one exception. In 2014, the German company that was then making the nails sent a two-part stainless steel nail that had a very thin shank (almost like a long thumb tack) This was not well received and in 2015 the return was made to the indent aluminum. At least for the late 1990's and early 2000's the nails were manufactured by John Hassal Co (61), but recently they are manufactured by a company in Germany, with some production actually coming from Poland. With the exception of the 2014 nail, all nails are approx. 3/4 x 3/16.

1953 – 1976 rnd R stl



1977 – 1986 (plus 1991) rnd R alum.



1987 to date (except 2014) rnd I alum



Lincoln Telephone & Telegraph Co. (Nebraska). - The number indicates the class (diameter of the pole).

From Jerry Penry's article in the Nailer News (Sept/Oct 1990, page 2-4): "It is my belief that LT&T first used the large LT over T nails between 1912 and 1920.

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."

rnd R copper



rnd I copper - 2 x 1/4. Includes large and small numbers and variations



Rmd I copper (cont.)



2 ½ x rnd R stl (07) — All of these shanks have rings the entire length of the shank except the first two (No Number) nails and the LTT / 7.



1 ¾ X 9/32+ rnd I stl (07) - (.283")



1 ½ x 3/16 rnd R stl (07)



1 ½ x 3/16 rnd R stl (07) (cont.)



2 ½ X ¼ rnd l stl — All are 2 ½ x ¼ except where noted



- M 1-6 Maple. Buffalo, Rochester & Pittsburgh RR
 7 Los Angeles Gas & Elect
 8 MU. Unknown
 9 MC. Unknown
 10 Chicago, Burlington & Quincy RR. Nail similar to #4.
 11 Southern California. User Unknown
 12-17 Los Angeles Gas & Elect.

McFarland Co. ? - All nails are copper indent. The larger ones are factory stamped "M" with hand struck numbers. Found in California



Midwest Treating Co. - 1 3/4 x 3/16 ri stl



McCranie Bros. - Willacoochee, GA. Copper indent 63, Aluminum raised 80, 82 and 83, and imgalvanized steel 84, aluminum 85 and 86.



Other Indent "M" nails – Steel, Copper, bronze and aluminum. Sizes Noted.



Copper indent
Missouri Utility Co.

1 1/2 x 1/4 ()
rnd l alum (HS)

Unknown user
2 x 1/4 HS ind cop

2 ½ X ¼ rnd R stl – All are 2 ½ x ¼ except where noted.



M1 Missouri Pacific RR / Soo line / Dakota Power

2 National Railways of Mexico

3 ML. Municipal Light, Lincoln, Nebraska

4 2 x 2/16 MWLD, Municipal Water Light department, Lincoln, Nebraska

5 2 x 3/16 MWLP, Municipal water light power, Lincoln, Nebraska

6 6 MDFC, Illinois Central gulf RR, Tie lease nail for McDonnell Douglas Financial Corp.

Minnesota Power & Light Co. - 2 x 1/4 steel raised



Other Raised "M" nails – Steel, copper, bronze and aluminum. Sizes noted.



MCTCP (07) 2 X ¼
rnd R stl. User
Unknown (HS 6)

2 ½ X ¼ rnd l stl — All are 2 ½ x ¼ except where noted.



- N 1 Northwestern Electric Co. Portland, OR and Vancouver, WA.
 2 Pin oak. Chicago, Burlington & Quincy RR
 3,4 NP. Nebraska Power Co. Omaha and Eastern Nebraska

Other Indent "N" nails - Steel, copper, bronze and aluminum. Sizes noted



- NPPD 2 x ¼ cop. l Nantahala Power (NC)
 NE Public Power 2 ½ x ¼ rnd l alum
 District

Nebraska Telephone Co. - These are the earliest known pole nails. They were bought in 1912 by Lincoln Telephone & Telegraph Co (Nailer News article Sept/Oct 1990, pg. 2).

2 1/2 x 1/4 rnd l stl (07)



New Brunswick Electric Power Commission - - This shows just the NBEPC "chair leg" type round indent nails used by them. The others they used do not have letters.

New Brunswick Power Commission

New Brunswick Electric Power Commission

NB Power / Energie NB

The New Brunswick Power Commission was created in 1920 and changed its company name a few times in its history. There were several attempts to integrate the system with Hydro Quebec. But to no avail. The final reorganization took place in 2013. It is government owned and generates, distributes and transmits the power for the Province of New Brunswick. The name was changed in 1972-3 to NB Power / Energie NB

The Nails: In speaking with employees I found that they have used two digit date nails since at least 1949 and continue to use them. There are exceptions to the two digit format. "Chair Leg" style nails were used in the 60's and 70's and possibly other years. I assume that most of the nails used were the two digit 1 ½ x ¼ rr aluminum () generic Canadian date nail? But it would be good to have some verified pull information here of the nails and types that were used.

Pole Tag and 2012 date nails sent
to me by New Brunswick Power.
Nails are: () 1 ½ x ¼ rr alum.



National Lumber & Creosoting Co. - As of 1930 NL&C operated eight treating plants.
 A 2 ½ rnd R N / 36 was found in a second hand tie on the Akron, Canton & Youngstown RR.

Copper Indent 1 ¼ x ¼ (07)



National Lumber & Creosoting Co. (cont.)

Steel rnd I (07) The following sizes are noted: NLC 1934- 1 3/4", NL 1934- 2 1/2", NL 1935- 2 1/2", NL 1936- 2" & 2 1/2", NL 1937- 2" & 2 1/2", NL 1938- 2".



Steel rnd R (07) - 2 1/2 x 1/4. The 36 also comes with a 2" shank.



2 1/2 x 1/4 rnd R stl — All are 2 1/2 x 1/4 except where noted.

1

2

3

4

5

6



(31)

N 1 Mexican Pacific RR

Other Raised "N" nails - Steel, copper, bronze and aluminum. Sizes noted.



NE 31 2 1/2 x 1/4
rnd R stl. User Unkwn.
New England (?)

Newfoundland Light & Power / Newfoundland Power - Nails are 1 1/2 x 1/4 rr aluminum. Some are oval shank chisel point, some are round shank diamond point (see list).

Newfoundland Light & Power/Newfoundland Power

Began in 1924 with history dating back to 1896 St John's streetcar operations. In 1948 the streetcar lines were disbanded and NL&P became a public company distributing electricity to the Province. Under Canadian law, In order to expand within the Province and also to other Provinces and countries, a holding company (Fortis) was created in St John's in 1987. In 1990 the corporate name was changed from NL&P to Newfoundland Power. This became the legal name in 1998. NP is the distributor of power to the Province and supplies about 85% of the population. Newfoundland Hydro (NH) is the power producer and is Government run and separate from NP. It is listed separately.

The list of nails below are those that are known. I am sure that there are others that will be added to this list. My thanks to Bill McClellan for listing the ones he has. I show an example of the various styles of nails used but not all of those that are listed:

Newfoundland Light & Power/Newfoundland Power (nail list)					
Year	Type	Size	Shank	Metal	Description
1968	()	1 1/2 x 1/4	OSCP	ALUM	TWO DIGIT DATE
1969	↓	↓	↓	↓	↓
1970	↓	↓	↓	↓	↓
1971	↓	↓	↓	↓	↓
1972	↓	↓	↓	↓	↓
1973	↓	↓	↓	↓	↓
1974	()	1 1/2 X 1/4	OSCP	ALUM	NLP ARCHED /UNDER DATE
1975	↓	↓	↓	↓	NLP ARCHED/ UNDER DATE
1976	↓	↓	RRDP	↓	NLP STRAIGHT /UNDER DATE
1977	↓	↓	OSCP	↓	NLP STRAIGHT/ UNDER DATE
1978	↓	↓	↓	↓	NLP STRAIGHT /OVER DATE
1979	↓	↓	↓	↓	NLP STRAIGHT/ OVER DATE
1980	↓	↓	RRDP	↓	NLP STRAIGHT/OVER DATE
1981	↓	↓	OSCP	↓	NLP STRAIGHT/OVER DATE
1982	↓	↓	↓	↓	NLP STRAIGHT/OVER DATE
1983	↓	↓	↓	↓	NLP STRAIGHT/OVER DATE
1984	↓	↓	↓	↓	NLP ARCHED/OVER DATE
1985	↓	↓	↓	↓	NLP ARCHED/OVER DATE
1986	↓	↓	↓	↓	↓
1987	↓	↓	↓	↓	NPL ARCHED/OVER DATE

(CONTINUED ON NEXT PAGE)



NLP/NP (Nail List Cont'd.)

Year	Type	Size	Shank	Metal	Description
1988	()	1 ½ x ¼	OSCP	ALUM	NLP ARCHED/OVER DATE



2009	()	1 ½ x ¼	RRDP	ALUM	NP STRAIGHT/OVER DATE
2010	↓	↓	↓	↓	↓
2011	↓	↓	↓	↓	↓
2012	↓	↓	↓	↓	↓
2013	↓	↓	↓	↓	↓
2014	↓	↓	↓	↓	↓
2015	↓	↓	↓	↓	↓



Newfoundland Telephone Co. (NTC) - Nails are 1 1/2 x 1/4 rnd R alum. Some with oval shank chisel point and some with round shank diamond point. (see notes)

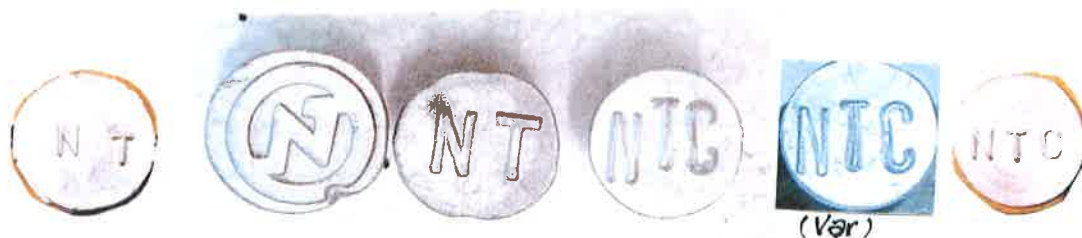
Newfoundland Telephone Co. (NTC)

NEWFOUNDLAND TEL. BECAME NEW TEL. AND THEN MERGED WITH NOVA SCOTIA, PEI, AND NEW BRUNSWICK TO BECOME BELL ALIANT.

NewTel Communications was a telephone, internet and cellular service provider in the [Canadian](#) province of [Newfoundland and Labrador](#). Originally, as the **Avalon Telephone Company**, it served the Avalon Peninsula; it became the **Newfoundland Telephone Company**, also serving southwestern Newfoundland (between Port-aux-Basques and Corner Brook), part of the Burin Peninsula, Windsor and Grand Falls, as well as most of Labrador, as a result of acquisitions of four smaller companies or their phone services from 1948 to 1962. In 1979, it acquired the Labrador Telephone Company serving Labrador City, and in late 1988, it acquired [Terra Nova Tel](#) from [Canadian National Railways](#), which served other communities on the island including Gander.

The Newfoundland Telephone Company was later shortened to NewTel Communications as its business diversified. In 1999, NewTel's parent [NewTel Enterprises](#) merged with [Bruncor](#) (parent of [NBTEL](#)), [Island Telecom](#) and [MTT](#) to form Aliant (now [Bell Aliant](#)).

THE NAILS: Apparently there are three nails associated with this set. I thank Bill McClellan for his scans of the three. All three are 1 ½ x ¼ aluminum. The first two have an OSCP and the third has a RRDP.



Newfoundland & Labrador Hydro - 1 1/2 x 1/4 aluminum raised. Canadian manufacture.

Newfoundland & Labrador Hydro

Although I have called them several times and even talked to folks in the stores department, information is very hard to come by as far as use of date nails goes. First a little history. NLH is the primary power generator for Newfoundland and Labrador. It is run by Nalcor Energy Corp. In 1975 they changed their name from NF&L Power Commission to NF&L Hydro Corporation. 80% of the power used in Newfoundland and Labrador comes from Nalcor. They are different than Newfoundland Power which has its own set of nails.

THE NAILS: There needs to be a lot of input here as I could not really find out how long they have been using the nails. I have a few nails that I know they used and will put that list here, but I am not adding any dates I am not sure of. Perhaps they used a two digit nail prior to 2005?? I say that because I have a purchase order (schematic) dated 2005 showing the design requested and it is the same design as is used on the few nails that I do have from a later time frame. So this list can use a lot of work and input, but again, I hope any information provided can be accompanied by scans/photos to prove legitimacy.



2011, 2013, 2014 () 1 1/2 x 1/4 rr alum
(Many other nails probably belong to this set)

Northwest Bell Telephone – This company was a “Baby Bell” from 1899-1983 and served OR, WA and No. ID. The Nails are many and varied. The sizes range from 2 ½ x ¼ to 2 x 5/16 and include 2 x ¼. They are steel indent and steel raised. Much like the International Creosote, there are many, many variations of these nails in size shape and letter arrangement.

Steel Indent



Steel Raised



Northwest Bell Telephone (cont.) Steel Raised



Piedmont Wood Preserving Co. ? Nails found in WV, PA and CT. This company had a plant in Augusta GA, built 1927. The nails have a date with "NZ" and "PZ". Full set shown here and in the raised "N" section. 1 1/4 x 1/4 rnd R stl (07). Nails have a mixture of diamond point and chisel points. Known chisel points include: PZ 35, 37 and NZ 36, 37.



2 ½ X ¼ rnd l stl — Except where noted.



- O 1 OZ. Oil-Zinc tie treatment nail. Santa Fe
 2 OP. Ohio Power Co.
 3, 4 OS. Ohio Standard Oil (Possibly SO for Standard of Ohio?)

Other Indent "O" nails - Steel, copper, bronze and aluminum. Sizes noted.



O6 2 1/2 x 1/4 rnd l stl.
 not 1906. StLRM&P RR
 New Mexico

Otter Tail Power Co. - Based in Fergus Falls, MN, this utility serves N. & S.Dakota as well as MN. Aluminum indents are 2 ½ x ¼, bronze nails are 3 x ¼ indent.



2 ½ x ¼ rnd R stl – All are 2 ½ x ¼ except where noted.

1 2 3 4 5 6



(11)

O 1 Reading RR. This is identical to the "O" (zero) used by the B&M RR **Malleable Iron (MI)**

Other Raised "O" nails - Steel, copper, bronze and aluminum. Sizes noted.

2 1/2 X 1/4 rnd l stl — Unless Noted.



P 1-4 Pine. Buffalo, Rochester and Pittsburg RR

5 Chicago & North Western Railway

6 Loblolly Pine. Chicago, Burlington and Quincy RR

7,8 PO. Pin Oak. Buffalo, Rochester and Pittsburg RR

9 People's Light Co., Davenport, Iowa

10 PUC. 4". Public utilities Commission, North St. Paul, MN

11 Unknown user. Found with a "T" and "W" that are also type (08) rnd l stl

Other Indent Letter "P" nails - Steel, copper, bronze and aluminum. Sizes Noted.



P 10 and P 11. 2 1/2 x 1/4 ri
stl. (07) Pine. Reading RR
Pennsylvania

P. 2 1/2 x 1/4 dia l stl.
Pensicola Creo. (FL)
(07)

P (07) 2 1/2 x 1/4 sqr l
stl. Power in Pensy.
Power & Light Co.

PRR 1 1/2 x 5/16 bronze
indent. User Unknown
(Poss. Pennsylvania RR?)

Other Indent "P" nails (cont.)



P 2 ½ x ¼ rnd l stl
(07) almost a square
head



PK 1 x 3/16 ri stl.
Survey Nail ()
Parker-Kalon Co.
Some are magnetized



P8 1 ½ x 1/8 rnd l
Construction nail

West Pennsylvania Power Co. - aluminum rnd l. First four are 2 x ¼, fifth nail is 2 x 3/16.

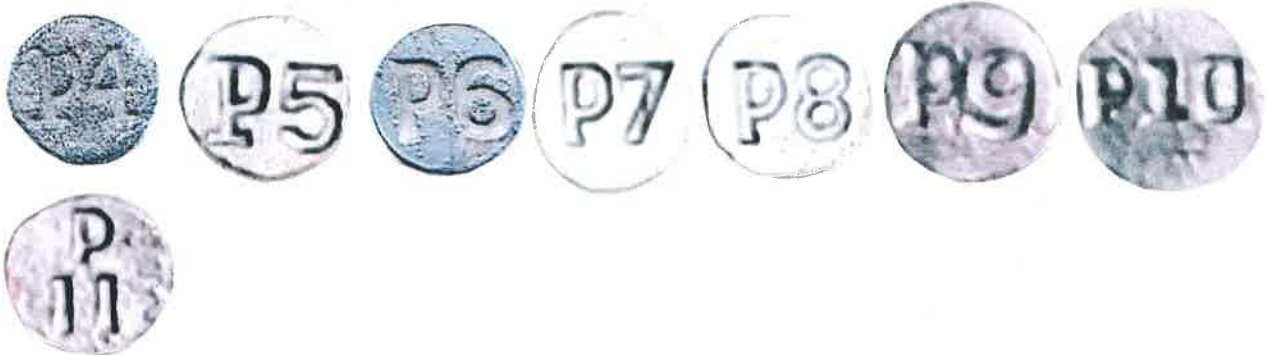


Perry Lumber Co. (Perry, FL) – Fence Post nails. The 84 is rnd R alum, the 88 is rnd l alum. The 89 is rnd l ungalvanized stl.



Great Northern Railway Pine/Date nails – treatment of pine ties with letter/date nail.

All nails are 2 ½ x ¼ rnd l stl. Type (07).



Pacific Creosoting Co. - 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. (Nailer News May-June 1982, Page 3). PC nails are found in California. The set of nails includes a copper plate, copper indent nails with a factory stamped date. Copper indented nails with a hand stamped date and copper indents with hand struck additional information. Many variations of these exist. 2 x 1/4 rnd l copper.



Other Varieties



2 1/2 X 1/4 rnd R stl — All are 2 1/2 x 1/4 except where noted.



- P 1 Duluth, Missabe & Iron Range RR
- 2 Chesapeake & Ohio RR
- 3 National Railways of Mexico, Mexican Pacific.
- 4 Union RR. Possibly the same as P #2
- 5 PW. Public Works Administration. Illinois Central RR. Used in 1934
- 6 PROP OF / EQUIPCO. Illinois Central Gulf RR. Tie lease nail.
- 7 Reading RR
- 8 1 1/2 x 1/4. Carney-Pentrex
- 9 1 1/4 x 3/16. Carney Pentrex
- 10 Unknown
- 11 Pole Nail. Unknown user. Found with matching "W" nail.

Other Raised "P" nails - Steel, copper, bronze and aluminum. Sizes noted.



Pressure Creosote
1 x 5/16 (07) stl

2 1/2 x 1/4 sar R
(18) Utah Power

2 1/2 x 1/4 sqr R
(07) Utah Power

2 1/2 x 1/4 dia R
(05) Pensacola
Creosote, FL

5 x 1/4 and 3 x 1/4
() unidentified stl
(see photo of twisted shanks)



Pentrex Treatment Nails — Plates are of Brass and Copper. The nails are 1 ½ x 3/16 rnd R stl. A 1929 also exists. After 1929 Pentrex used ordinary date nails. According to a M-A 1991 Nailer News article on page 8-9, they are:

- 1 ½ x 3/16 rnd R stl. (25) — 1930-42
- 1 ¼ X 1/5 rnd R stl. (07) — 1933-37
- 1 ½ x 1/5 rnd R stl. (06) — 1936, 1938-40



Potosi Tie & Lumber Co. - Nails are Copper raised 1 x ¼ type (07)



J. F. Prettyman & Sons – Summerville, SC. Nails found in Connecticut and Washington D.C.
 This company had a treating plant at Dharleston, SC



Piedmont Wood Preserving Co. ? Nails found in WV, PA and CT. This company had a plant in Augusta GA, built 1927. The nails have a date with "NZ" and "PZ". Full set shown here and in the raised "N" section. 1 3/4 x 1/4 rnd R stl (07). Nails have a mixture of diamond point and chisel points. Known chisel points include: PZ 35, 37 and NZ 36, 37.



2 1/2 X 1/4 rnd I stl — Unless noted.

1 2 3 4 5 6



(07)

Q 1 Chicago, Burlington & Quincy RR

2 1/2 x 1/4 rnd R stl - Unless noted.

1 2 3 4 5 6

Other Letter "Q" nails - (Indent and Raised) Steel, copper, bronze and aluminum. Sizes noted.

Hydro Quebec

The largest of the Provincial Hydros, Hydro Quebec was nationalized in 1944 when they took control of Montreal Light, Heat and Power (MLH&P) and then Shawinigan Water and Power (SW&P) in 1963. They are the largest electric generator in Canada and supply all of Quebec Province as well as supplying surplus power to nearby Provinces.

THE NAILS used by Hydro Quebec are puzzling to a lot of folks. There are nails that are associated with Hydro Quebec that were actually put into the poles by MLH&P and SW&P. But all nails put into poles by Hydro Quebec after 1944 consist of two single digit nails. From their archivist: "ever since the nationalization in 1944, Hydro-Quebec uses single digit dating nails. There are two nails used to fix the plate. As an example, for a pole that was installed in 1979, you will find a dating nail with the number "7" and the second one with the number "9".

There are double digit steel nails after 1944, but it is my understanding that these nails were put in by SW&P before they became part of Hydro Quebec in 1944. I may be wrong in this and it is possible that Hydro Quebec did not actually start the single digit dating until the late 1940's when the switch to aluminum nails was adopted.

(PLEASE SEE SEPARATE LISTING FOR SHAWINIGAN WATER & POWER AND MONTREAL LIGHT, HEAT AND POWER).

Since single digit nails were used as dates there are many variations because one digit could be used over an extended period of years while the other was used just once every ten years. I have tried to show a representative sample of these single digit nails.

There are some aluminum date nails that do not fit the description provided by the archivist. They have the "Q" symbol for Hydro-Quebec, and also a two digit date? There are also a few aluminum nails that I am not sure about the meaning of. They include an "R"; a 600, a 750 and a "Q" with the lightning bolt – obviously their corporate logo.

These "odd nails" are shown below:

() 1 ½ x ¼ rr oscp alum



() 1 ½ x ¼ rr alum

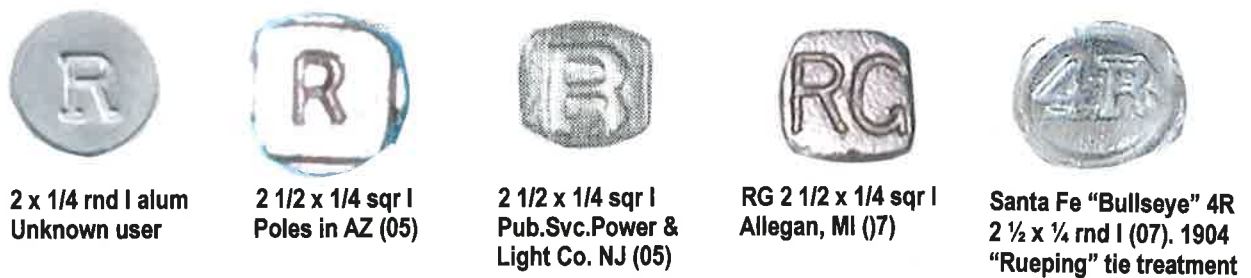


2 ½ X ¼ rnd l stl — All are 2 ½ x ¼ except where noted.



- R 1 California
 2 Red Oak. Chicago, Burlington & Quincy RR
 3-5 RO. Red oak. Buffalo, Rochester & Pittsburgh RR
 6 Unknown

Other Indent "R" nails - Steel, copper, bronze and aluminum. Sizes noted



Milwaukee Road (Letter / Date Nails) – The letter “R” represents Rueping treatment on the tie. The number is the date. The R08 is 2 ¼ x 5/16. The others are 2 x 9/40 rnd l stl.



Pennsylvania RR (Letter / Date Nails) – The letter “R” indicates a Red oak tie and the number is the date. All are 2 x 3/16 rnd l malleable iron (mi) except the second R 09, which is 1 ¾ x 5/16.



Republic Creosoting Co. - The 1 ½ x 3/8 rnd R stl 1930 nail was found in Kansas. Republic had four plants as of 1930. the other nails are 1 ¼" rnd l copper.



3R – 7R Pole Class Nails – 3 x ¼ rnd l bronze. User Unknown. Nails are made by Clendenin Bros. (MD) and stamped by Premax (MN)



Unknown West Coast Utility. 27 is (05) diamond point (DP). 28 is (07) DP. 30 is (05) spear point (SP) and the two 31's are (05) SP. All are 2 ½ x ¼ sq r l stl.



2 1/2 x 1/4 rnd R stl – Unless noted



- R 1 Missouri Pacific RR, Soo Line
 2 "Reclaimed" pole in CA and AZ
 3 1 1/2". Escambia Treatment Co. (FL)
 4 Mexican Pacific RR
 5 Chicago Transit Authority and Rock Island RR

Other Raised "R" nails - Steel, copper, bronze and aluminum. Sizes noted.



1 1/4 x 3/16 (60) rnd r
 copper. Milwaukee
 Road

1 1/2 x 1/4 rnd r cop
 So. CA Edison. (12)
 one with dot one without

1 1/2 x 1/4 rnd R alum
 () Quebec Hydro

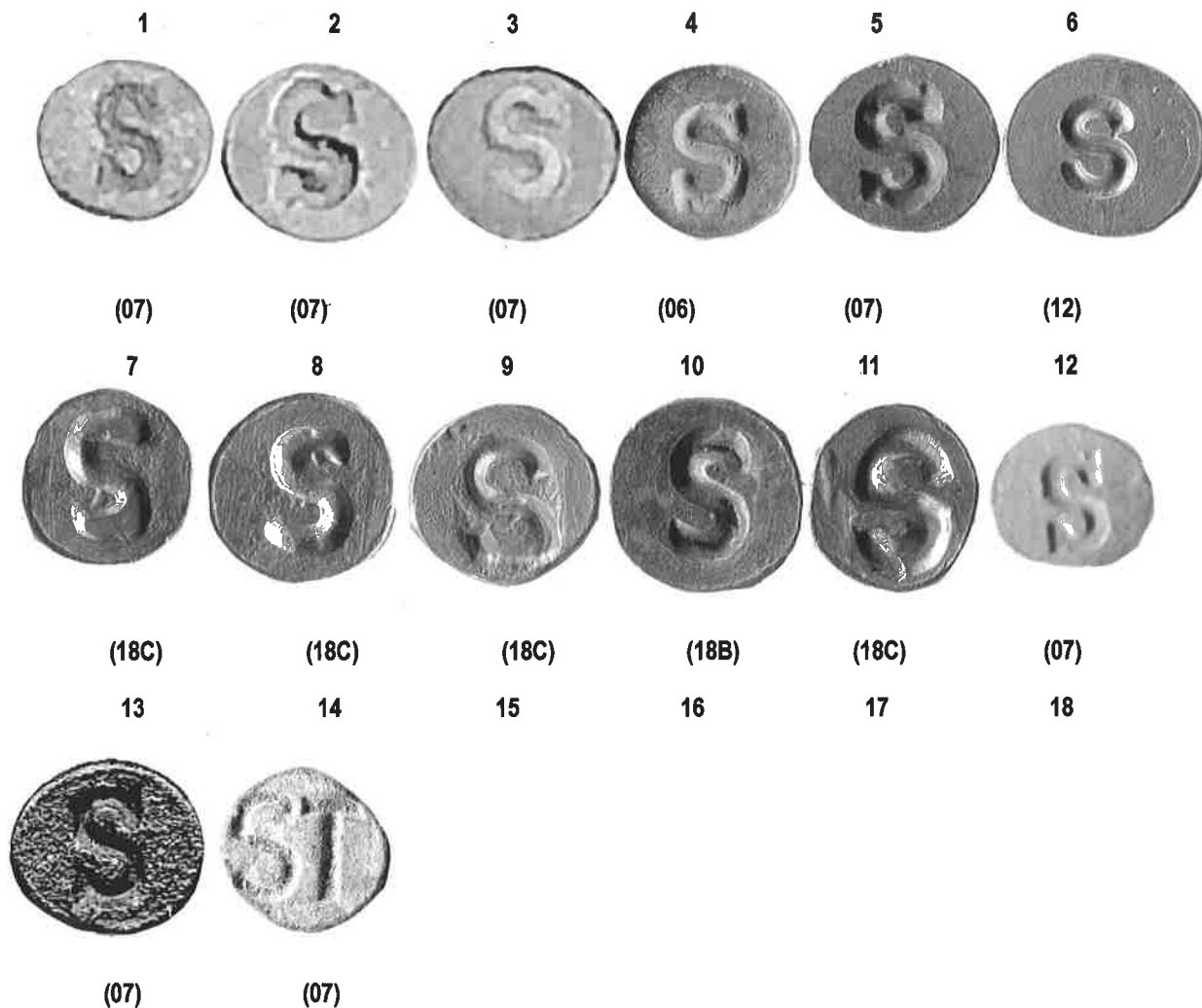
Irreg. sqr R (07)
 2 1/2 x 1/4 Reclaimed
 pole from Virginia

1930 Republic Creo
 1 1/2 x 3/8 rnd R stl.



R 2 1/2 x 1/4 dia R stl
 User Unknown

2 ½ X ¼ rnd l stl – Unless noted.



- S 1-3 Used as the "S" in "Indiana General Service."
- 4-11 Salvaged Pole. Southern California Edison Co.
- 12 Sycamore. Buffalo, Rochester & Pittsburgh RR
- 13 Sycamore. Chicago, Burlington & Quincy RR
- 14 ST. Steam Treatment or Special Treatment. Santa Fe RR

Other Indent “S” nails – Steel, copper, bronze and aluminum. Sizes noted.



SL / Co 2 ½ x ¼ sqr |
Salt Lake County, UT



ST 2 ½ x ¼ sqr |
(07) Santa Fe RR
treatment nail



SL 55 () 2 x ¼ rnd |
alum. Factory sample



SU 1 ½ x ¼ rnd | alum
Unknown/Clendenin mfg.
Premax stamped



SW 2 ½ x ¼ sqr | stl
Southwest Creo.



SF 1 ½ x 1/8+ rnd |
Unknown User ()

Southern Wood Piedmont – SWP is a treatment company⁷ and these nails can be found in ties, usually switch ties, in the Southeast. The number is the year of treatment and the letter might stand for the company. The shank is about .131" Nails are ¾ x 1/8 rnd | stl ()



Great Northern Letter / Date Nails — The letter indicates the species. S=Spruce. The number indicates the year of treatment. These were driven into the ends of the ties before treatment. All nails are 2 ½ x ¼ rnd l stl (07).



2 1/2 x 1/4 rnd R stl – Unless noted.



- S 1** Unknown. Possibly Southern California Edison
2 Southwest Creosoting Co. Found with 2" 39 date nail
3 ST. Steam Treatment or Special Treatment. Santa Fe RR
4 SC. Spiral to Curve. Baltimore & Ohio RR
5 ST. Spiral to Tangent. Baltimore & Ohio RR
6 Mexican Pacific
7 STR. Unknown user
8 Indiana General Services. The "S" in Services
9 SWP. 2". Southern Wood Piedmont

Other Raised "S" nails - Steel, copper, bronze and aluminum. Sizes noted.



- | | |
|------------------------------------|---------------------------------|
| Sidney Municipal System | S 1 1/2 x 1/4 (12) rnd r |
| 2 x 1/4 rnd r stl (07) (NE) | cop. So. Calif. Edison |
| | 2 var. - dots/no dots |

Shawinigan Water & Power (Hydro Quebec)

This was the last of the two giant private power providers for the Province of Quebec that was taken over by the Government – the first being the Montreal Light, Heat and Power which was taken over in 1944 when Hydro Quebec was nationalized. SW&P was incorporated into Hydro Quebec in 1963.

It was explained to me by the Hydro Quebec archivist that Hydro Quebec only used two single digit nails to date their poles and that other nails were used by SW&P and MLHP with two digits on the head until the point where they became part of Hydro Quebec. So for example you may see a 46 or 48 steel nail in a Hydro Quebec pole. This indicates it was originally a pole set by SW&P prior 1963. I am not sure how many years double digit date nails were used by SW&P but here are some aluminum ones with the letters SW&P.

The issue is further confused by the fact that SW&P () 1 ½ x ¼ rr alum nails were found with dates that are post 1963, the year they supposedly were taken over by Hydro Quebec. So work has to be done on this set of nails.

THE NAILS: Shown here are the nails that are known to have been used by SW&P. I am sure there are others, including steel nails in the 40's with two digits and no letters. But without photographic evidence I will not add those here. Hopefully someone will find that evidence for not only the Shawinigan Water & Power nails but also for the Montreal Light, Heat and Power.



Southwest Light & Power Co. - Nails are 1 ¾ x ¼ steel raised



Southern Wood Preserving Co. - 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) Nails are rnd R copper.



2 ½ X ¼ rnd I stl – Unless noted



- T 1, 2 Possibly a treatment company, Minnesota. #2 previously listed as Type ().
 3 2", Pennsylvania RR
 4 Tamarack. Chicago, Burlington & Quincy RR
 5-10 Unknown user #5 is a 2" nail

Other Indent "T" Nails — Steel, copper, bronze and aluminum. Sizes noted.



T #10 2 ½ x ¼ sqr l
(05) (SP) Unknown



T #11 2 ½ x ¼ sqr l
(07) Unknown



T #12 2 ½ x ¼ sqr l
(07) Pensy Pwr & Light



T 2 ½ x ¼ sqr l
(05) (SP) Unkwn



T1 55 Factory
Sample. 2 x ¼
rnd l alum



T 2 ½ x ¼ sqr l
(07) Unknown



T 2 ½ x ¼ sqr l
(07) Unknown



TER Texas Elect RR
Probably from Poles
1 1/4 x 1/4 rnd l copper (07)



2 x ¼ rnd l alum W. Pensy Power Co.



2 x 3/16 rnd l alum
W. Pensy Power Co.

Great Northern Letter / Date Nails – The letter indicates the species. T=Tamarack. The number indicates the year of treatment. These were driven into the ends of the ties before treatment. All nails $2\frac{1}{2} \times \frac{1}{4}$ rnd l stl (07)



Texas Creosoting Co. - Nails are $1\frac{1}{4} \times \frac{1}{4}$ rnd l copper (07)



“T” Nails – Rockland Light & Power Co. (NY) – Nails are 2 ½ x ¼ rnd R stl (07)



Central Railroad of New Jersey – 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 Central Railroad of New Jersey for a full explanation. Nails are 1 x ¼ rnd l stl (07)



4
TC

2 1/2 X 1/4 rnd R stl – Unless noted.



(07)

- T 1 National Railways of Mexico
- 2, 3 TS. Tangent to Spiral. Baltimore & Ohio RR
- 4, 5 TS. Tri States Telephone & Telegraph Co.
- 6, 7 TC. Taylor-Colquitt Co., Used in poles with a 28 or 29 date nail
- 8 TILC / OWNER. Illinois Central Gulf RR. Tie lease nail
- 9 Reading RR
- 10 Canada. Found in the west 1 1/2 x 1/4 rnd R stl cp
- 11 Unknown
- 12 Tri State Telephone & Telegraph Co.
- 13 Unknown

Other Raised "T" Nails – Steel, copper, bronze and aluminum. Sizes noted.



T #6 2 ½ x ¼ sqr R stl
(05) Pennsylvania RR
(SP)

TC. 2 ½ x ¼ sqr R still
(07) Taylor-Colquitt Co.
Found with rnd R 28

Taylor-Colquitt Co. - Found in New York, New Jersey, Pennsylvania and Connecticut. Taylor-Colquitt ran a treating plant at Sigsbee, SC, built 1926. Nails are 1 ¼ x ¼ rnd R stl (07)



Tri-States Telephone & Telegraph Co. - 1 ¾ x 1/4 rnd R stl.



2 1/2 X 1/4 rnd l stl – Unless noted



- U 1 Utah Power & Light
 2 Chicago, Burlington & Quincy RR
 3 Union Electric Co.

Other Indent “U” Letter Nails - Steel, Copper, Bronze and Aluminum. Sizes noted.



U.S. Forest Service - “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 nail from 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.”
 Nails are 2 1/2 x 1/4 l stl. The first nail is sq. R the rest are set on a diamond shank (ds). *TYPE (07)*



2 1/2 x 1/4 rnd R stl – Unless Noted



U 1, 2 Utah Power & Light
 3 Union Electric Co (MO)

Other Raised "U" Nails - Steel, copper, bronze and aluminum. Sizes noted.



UT #10 2 1/2 x 1/4 sqr R
 stl. Union Telephone
 Smackover, AR (07)

UE 2 1/2 x 1/4 sqr R
 stl (07) Union Elec5
 St Louis, MO

2 1/2 x 1/4 rnd l stl – Unless noted

1

2

3

4

5

6



(07)

V 1 Unknown (Possibly CB&Q or EJ&E?)

Other Indent "V" Nails - Steel, copper, bronze and aluminum. Size noted



VC 2 x 1/4 rnd l cop:
Unknown (hs)

2 1/2 x 1/4 rnd R stl - Unless Noted.

1

2

3

4

5

6



(25)

V 1 Pennsylvania RR

Other Raised "V" Nails - Steel, copper, bronze and aluminum. Sizes Noted.



V 2 x 1/4 sqr R stl (18)
UP from 1964 test section



1 1/2 x 1/4 rnd R alum
Hydro Quebec Canada

2 1/2 X 1/4 rnd l stl – Unless Noted



- W 1 1 1/2 X 3/16. Unknown user
 2 Found in California. Water
 3 WO. White oak. Buffalo, Rochester & Pittsburgh RR
 4 Chicago, Burlington & Quincy RR
 5 Found with P and T nails that are identical. User Unknown
 6 User Unknown. (Perhaps Wabash RR)

Other Indent "W" Nails - Steel, copper, bronze and aluminum. Sizes Noted.



W 2 1/2 x 1/4 sqr l stl
 (08) User Unknown

West Coast Wood Preserving Co. - Many errors and minor variations exist. Date Nails Complete, page 161 lists WC over CC35, C335, 399, 39C, 41P, 4P and C 0. "P" probably stands for Pine, while "C" means Cedar. Found in California, Washington and Montana. Some have been found in Milwaukee Road bridge timbers. (Nailer News May-June 1982, page 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). Nails are 1 ½ x ¼ rnd l copper (07).



2 1/2 X 1/4 rnd R stl – Unless Noted.



(07)

- W 1 West. Ti-States Telephone & Telegraph Co. See "E" for East." At least two shank varieties exist
- 2 Soo RR. Missouri Pacific RR (Used to nail down fire caps on trestles)
- 3 Baltimore & Ohio RR
- 4 Unknown
- 5 2 1/2 x 3/16. Bloomington / Normal, IL West Tel. Co. A 1 1/2 x 3/16 size also exists and has an identical head.
- 6 Unknown user. Nail has shank markings of (06) made between 1947-1950.
- 7 WM. 1 X 1/4". Western Maryland RR

Other Raised "W" Nails - Steel, copper, bronze and aluminum. Sizes Noted.



W 1 1/4 x 3/16 rnd R
gm copper (60) From
Milwaukee Road ties

Wood Preserving Corp. - As of 1940 this company owned sixteen treating plants. They became Koppers Co. Nails are 2 ½ x ¼ rnd R stl (07).



2 1/2 X 1/4 rnd I stl – Unless Noted.



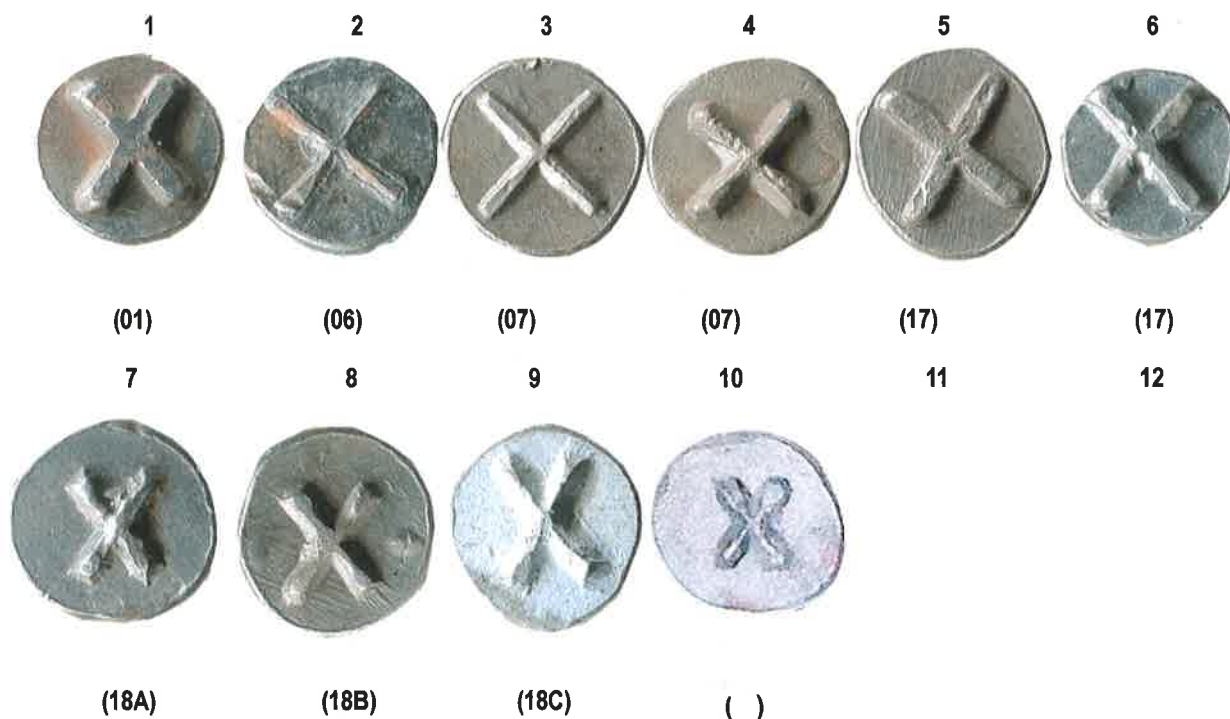
- X 1-4 Substandard tie. Buffalo, Rochester & Pittsburgh RR
 5 Pennsylvania RR
 6 Untreated tie. Chicago, Burlington & Quincy RR

Other Indent "X" Nails - Steel, copper, bronze and aluminum. Sizes Noted

Milwaukee Road Letter / Date Nails - The letter indicates treatment while the number is the date. The meaning of the "X" is unknown. Nails are 2 x 9/40 rnd I still (07).



2 1/2 X 1/4 rnd R stl – Unless Noted.



X 1-9 Substandard tie, Santa Fe RR
 10 1 1/2 x 1/4. Canadian (Found in the West). Wedge like chisel point

Other Raised "X" Nails - Steel, copper, bronze and aluminum. Sizes Noted.

Other Variations of the Santa Fe Raised "X"s. - Others exist.



2 1/2 x 1/4 rnd I stl – Unless Noted

1

2

3

4

5

6



(07)

Y 1 Straight Creosote treatment. Chicago, Burlington & Quincy RR

2 1/2 x 1/4 rnd R stl - Unless Noted.

1

2

3

4

5

6



(07)



()

Y 1 Soo Line. Missouri Pacific (used to nail down trestle caps for fire protection)
2 1 1/2 x 1/4. Canadian. Wedge shaped chisel point.

Other Raised and Indented "Y" Nails - Steel, copper, bronze and aluminum. Sizes Noted.

2 1/2 X 1/4 rnd I stl – Unless Noted

1

2

3

4

5

6



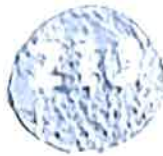
(07)

(07)

(07)

- Z 1 Zinc chloride treatment. Chicago Burlington & Quincy RR
2, 3 Zinc chloride + Mixture treatment. Santa Fe RR

Milwaukee Road Letter / Date Nails - The letter indicates treatment while the number is the date. Z stands for Zinc chloride. Only one Z10 is known. Found by John Iacovino on the NYNH&H. It probably was a keg mix up and indented for the Milwaukee Road? 2 x 9/40 rnd I still (07)



2 1/2 x 1/4 rnd R stl - Unless Noted

1

2

3

4

5

6



(18B)

(07)

(07)

- Z 1 ZM. Zinc + Mixture. Santa Fe RR
2, 3 ZA. Zinc-meta-Arsinite. Chicago, Burlington & Quincy RR From 1929 test section.

Milwaukee Road Letter / Date Nail - Indicates Zinc Chloride treatment of a tie in 1928.
Size is 2 1/2 x 1/4 rnd R stl (07)



Air Nail – South Gate, CA. This company started making these nails about the turn of the century (2000) But no longer exists. It was a product that was designed to “clearly identify nails used for structural applications in construction.” They were intended to eliminate the uncertainty in nail verification. In construction, certain nails are required for certain jobs (depending on state and local laws). Using a nail with an alphabetical code on the head of it that is made for that specific application eliminates the need for the inspector to remove the nail to check on its validity. A very unique concept indeed. Below is the chart showing the nails, their size and the application for which they were used.

Whatever your construction application, Air Nail’s nail head marking system insures the proper fastener is used for the job and eliminates concern over use of inadequate fasteners.

Identifier **	Diameter	Length	Name
A	0.113"	2"	6d Common
B		2-3/8"	8d Cooler
C		2-1/2"	8d Box
D	0.120"	2-1/4"	7d Special
E		2-1/2"	8d Special
F		3"	10d Special
G		3-1/4"	12d Special
H	0.131"	1-1/2"	Joist Hanger
I		2-1/2"	8d Common
J		3"	Framing Nail
K		3-1/4"	16d Short
L	0.135"	2-1/8"	2-1/8" Plywood Nail
M		2-1/4"	2-1/4" Plywood Nail
N		2-3/8"	2-3/8" Plywood Nail
O		2-1/2"	2-1/2" Plywood Nail
P		3-1/2"	16d Box
Q		1 1/2"	Joist Hanger
R	0.148"	2-1/8"	2-1/8" Plywood Nail
S		2-1/4"	2-1/4" Plywood Nail
T		2-3/8"	2-3/8" Plywood Nail
U		2-1/2"	2-1/2" Plywood Nail
V		3"	10d Common
W		3-1/4"	12d Common
X		2-1/2"	Joist Hanger
Y	0.162"	3-1/4"	16d Short Common
Z		3-1/2"	16d Common

*Nails may be any combination of smooth /deformed shank, diamond / blunt point, and / or galvanized.

** Numerical suffix identifies fastener variations associated with higher load values in the building code or evaluation reports.

'1' - Optional. Identifies deformed shank (ring or screw). '2' Identifies High Strength (heat treated, higher carbon content steel).

LETTER NAILS. A-Z AND TWO OTHERS.
LENGTHS VARY FROM 1 1/2 TO 3 1/2 "
DEPENDING ON THE LETTER. SHANKS ARE
APPROX. 1/8 - 7/40 DEPENDING
ON THE LETTER.





Unusual Nails with symbols, logos, icons and etc.....



Chase Copper & Brass Co. Montpelier, Ohio. Uses Centaur as logo and has made many nails with this on the head



Pacific Gas & Electric Co. No. California.
2 ½ x 3/16 rr (15). This "Delta" nail indicates
privately owned pole.



2 ½ x ¼ rnd R
So. CA Edison
Unknown meaning



Star Nail .: Various types, sizes and metals used. Those shown from L. to R included: 1) 3 x 1/8+ rr copper, 2) 1 ½ x 3/16 rr stl., 3) 1 ½ x 3/16 rr stl., 4) 1 ½ x 1/8 rr copper, 5) same, 6) TEMPLE 1 ¼ x 1/8+ rr stl. Others Exist

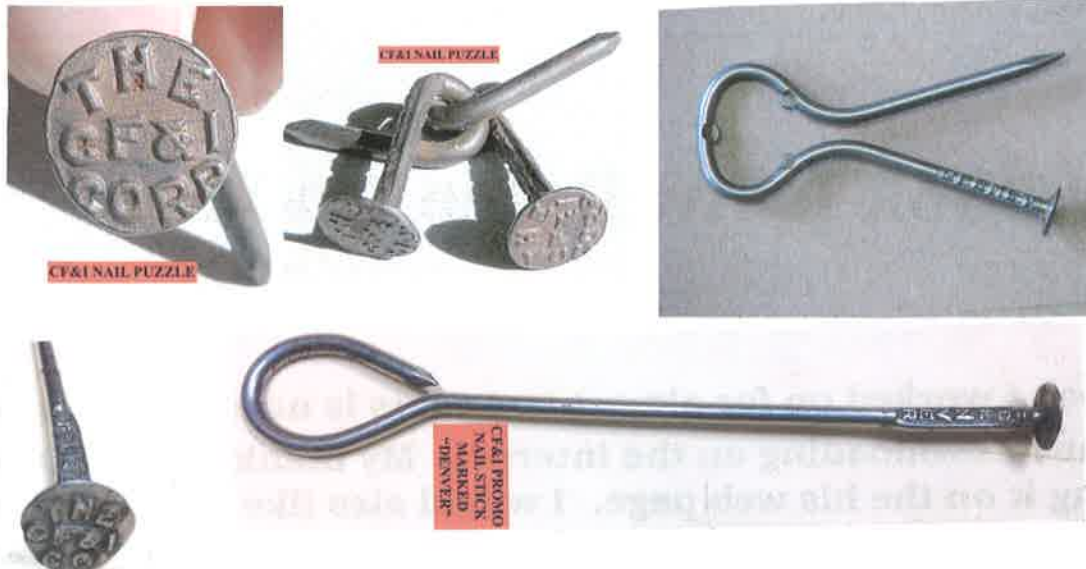


Other Star Nails – User Unknown. L. to R. 2 ½ x ¼, 2 ½ x 3/16, 2 ½ x 3/16, 2 x 3/16, 2 x 3/16 (this nail is Type (01)), the rest on this row are all 1 ½ x 3/16 and the 7th and 9th nails are Type (05)



This row various sizes.: Steel nails are 1 ½ and copper nails range from 2 to 3" in length.

Colorado Fuel & Iron Co. (CF&I) – Manufacturers of the Type (18) nails made some promotional items from nail wire with their name on the head of the nail. One is a wire nail puzzle, another is a bottle opener and the third one, no one can seem to figure out what it was used for? It is marked “Denver” on the top side of the shank. (Pueblo, CO)



M A G Nails – These are magnetized steel nails used in surveying. Made by ChrisNik Co. of Ohio. Shown also is the MAG Spike and Mag Hub (head), also used in surveying. This company displaced PK (Parker-Kalon Co.) nails which served the same purpose.

