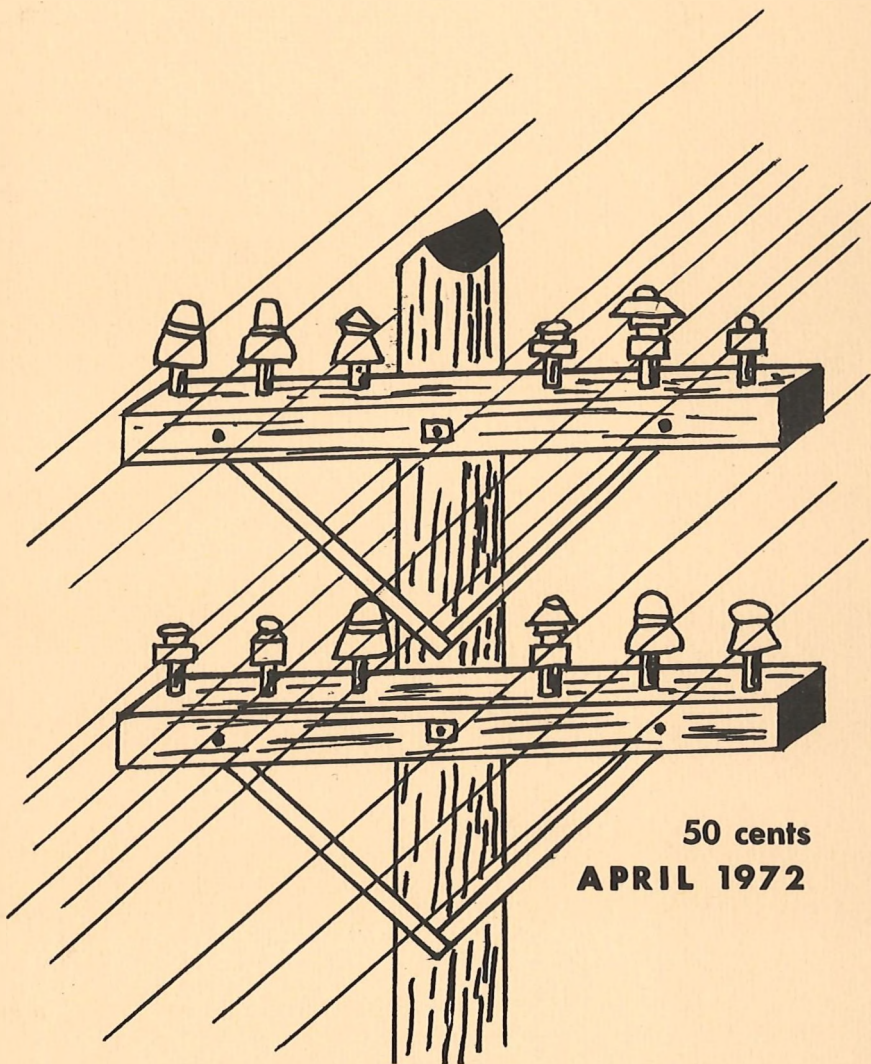


CROSS ARMS

*an eastern
insulator collectors'
magazine*



50 cents
APRIL 1972

**367 Signal Hill Road
King of Prussia, Pa. 19406**



CROSS ARMS

An Eastern Insulator
Collector's Magazine

Vol 1. No. 3

April, 1972

Editor James Garrity
Photography Carmine DeMenna
Production Catherine, Amelia, Mary Alice Garrity

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TABLE OF CONTENTS

Cast Iron Insulators	22
CD of the Month (441)	14
Classified Ads	25
In Appreciation	17
Know Your Collector	7
Letters to the Editor	19
Patent Information	9
Rate Page	24
Shows and Swaps	2

CD of the month for May is 168.

SHOWS AND SWAPS

We understand that insulator collectors on the East Coast would also like to be informed of the shows and swaps on the West Coast, so we will try to print all the shows and swaps that we hear about. This section is free of charge to anyone interested in having an announcement of their coming show published. We would be glad to print any information you would like to send to us. We have also decided to list a separate calendar for the coming shows and swaps along with a guide as to whether it is a bottle show or an insulator show. The guide is as follows:

(B. S.) for bottle show.

(I. S.) for insulator show and swap.

(+) indicates that more information is available on the following pages.

C A L E N D A R

APRIL

- 1, 2 (B. S.) Tulsa, Okla. Tulsa Antique Bottle and Relic Club.
- 8, 9 (I. S.) (+) Ithaca, N. Y. First National Eastern Insulator Meet.
- 9 (B. S.) Rehoboth Beach, Del., new convention hall.
- 9 (B. S.) Lee, Mass. Lee High School, Gerylock St.
- 15, 16 (B. S.) Virginia Beach, Va. Cavalier Hotel, Va.
- 15, 16 (B. S.) Sacramento, Ca. P. O. Box 55
- 16 (I. S.) (+) Mendon, Mass. American Legion Hall.
- 21 (B. S.) Ithaca, N. Y. Second Annual at High School.
- 29, 30 (B. S.) Rochester, N. Y. Genesee Valley Bottle Assn.
- 30 (B. S.) Eatontown, N. J. Monmouth Shopping Center.

MAY

- 6, 7 (I. S.) Muskogee, Okla. Civic Center 4th & Okmulgee.
- 7 (+) (B. S.) Lancaster, Pa., Guernsey Barn.
- 7 (B. S.) Stratford, Conn., at American Legion, 2159 Main St.
- 13 (I. S.) Westerville, Ohio. Second Annual Mid-West Insulator Show and Swap.
- 13, 14 (B. S. & I. S.) Hutchinson, Kans., Sports Arena.
- 13, 14 (B. S.) Missoula, Mont., County Fairgrounds.
- 14 (+) (I. S.) Middletown, New York. B. S. Enterprises.
- 16 (B. S.) St. Louis, Mo., Ramada Inn, S. W. 800 S. Highway Dr.
- 19, 20 (B. S.) Richmond, Va., 23222 Eastgate Shopping Center.
- 21 (+) (B. S.) Clayton, N. J. South Jersey Heritage Bottle & Glass Club.
- 21 (B. S.) Ithaca, N. Y. Finger Lakes B. C. Assoc.
- 27, 28 (B. S.) Hopkins, Minn., Hopkins House Motor Hotel, Highway 7.

JUNE

- 17, 18 (B. S.) Birmingham, Ala.
- 24 (+) (I. S.) Vienna, Va., Eastern Insulator Club, Volunteer Fire Dept.

OCTOBER

- 1 (I. S.) Middletown, N. Y., B. S. Enterprises.
- 14, 15 (+) (I. S.) St. Charles, Ill. Kane County Fairgrounds.

APRIL 8-9

The First Eastern National Insulator Meet. 8 A.M. to 6 P.M. in Ithaca High School Cafeteria. Ithaca, N. Y. Room for 80 tables +. Gerald and Esta Brown from Colorado will be there to award a ribbon for the best pottery insulator display. The "Crown Jewels" ribbon will be awarded. Door's will open to the public at 9 A.M. and admission will be \$.50.

APRIL 15-16

Yankee Polecats Insulator Club will hold a combination club meeting and swap meet in Mendon, Mass., at the American Legion Hall on Rt. 16. Anyone interested can contact Gert Wyer, 29 Franklin Rd., Cromwell, Conn. 06416. This is the clubs first meet.

MAY 7

Pennsylvania Bottle Collector's Association Antique Bottle Show and Sale, Sunday, May 7, from 9 A.M. to 6 P.M. Show will be held in the heart of Penna. Dutch Country at the "Guernsey Barn", five miles east of Lancaster, Penna. on Route U.S. 30. Quite a few insulator friends of mine will be setting up at this bottle show Show information can be acquired by contacting Clyde O. Garber, Berlin Rd., New Oxford, Pa. (717) 624-4411.

MAY 14

The 1972 Insulator Show and Trade Meet will be held on Sunday, May 14th in Fancher Davidge Park, Middletown, N. Y. 10940. The Meet will be held under large

open sided shelters come rain or shine.

Each shelter contains twenty 12 ft. tables for which a six foot table length reservation is \$3.00 and a 12 ft. table is \$6.00 including admission. Admission for all those without tables is \$.50 Table reservations should be sent as early as possible to insure a space.

Set up time is from 9 A. M. until 10 A. M. with general admission open at 10 A. M. Trophies will be awarded for the insulator displays that are the "Most Informative" and the "Best in Show". Door prizes will also be awarded.

Coffee, soda, and hot food will be available for reasonable prices throughout the day for the convenience of those attending the show.

Please have reservations in by May 6th.

MAY 21

South Jersey Heritage Bottle and Glass Club will be holding a show and sale at St. Catherine's Social Hall, North & Delsea Dr., Rt. 47, Clayton, N.J. For information contact Sam Baker, 1138 Lindberg Drive, Deptford, N.J. 08096.

JUNE 24

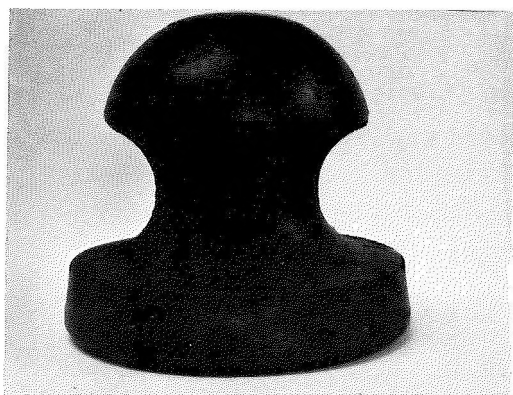
The Eastern Insulator Club will hold its first official swap meet on June 24, 1972. The meet is planned for the Vienna, Va., Volunteer Fire Department. More details will follow later.

OCTOBER

The first Annual Chicago Mid- West National Insulator "Jumbo" show will be held at Kane County Fairgrounds in St. Charles, Illinois, October 14 and 15.

There will be room for over 200 tables and a 2,000 car parking lot. Display tables will be \$10.00 per day, booths (3 tables), \$25.00 per day. Admission to fairgrounds is \$1.00 each. Ribbons will be awarded. Food and armed guards are available. Outside setups can be arranged and bottles are welcome.

For reservations call (312) 766-3705 or write: Dick Augustyn, 650 South Harvard Ave., Addison, Illinois, 60101, or Larry Veneziano, 324 Hawthorne Dr. Bensenville, Ill. 60106.



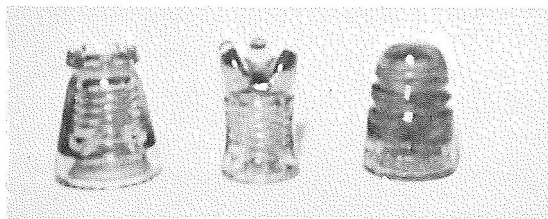
This composition insulator recently found in a western Pennsylvania mill is embossed on the under side around the pin hole: THE MAYER and ENGLUND CO. PHILA. U. S. A. KEYSTONE.

KNOW YOUR COLLECTOR

Our collector of the month for April is Fred Garner of Pottstown, Pennsylvania. Fred and his father have been collecting for about three years. Fred's mother and wife, Dawn, also collect porcelain insulators.

Fred runs a shop called "Insulator Corner". He is an avid follower of the show and flea market circuit.

Below is a picture of Fred with a small portion of his collection. The following pages contain pictures of his "prizes".

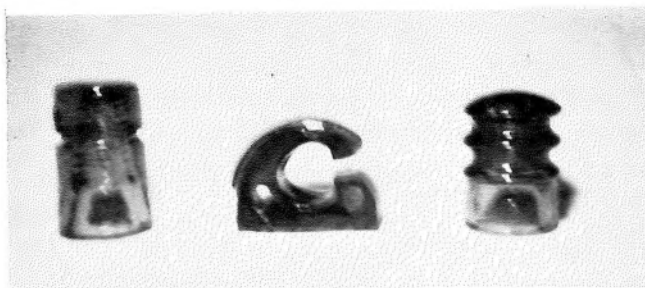


Left to Right

CD 206-Castle-light blue

CD 409 - Harloe "Claw" - aqua

CD 110 - Baby Spiral Brookfield



Left to Right
CD 123 cobalt E. C. M. Co.
Cutter
CD 117 Brookfield



Left to Right
Campanion
CD 317 Chambers
CD 285 Edisoh



Left to Right
No. 3 Columbia
No Name, Pat. June 17, 1890
Hemingray

PATENT INFORMATION

The following pages contain drawings of two insulators probably not yet found. The first patent #200,124 proves that there was a blown glass insulator. This patent by David Brooks, Jr., of Philadelphia, Pa. shows that a blown glass bottle with a groove on one of its sides which was held by a pin or key which passed through the cross-arm was used to hold wires. It claimed to provide a simple, easily-applied, and reliable fastening for holding the insulator in position, and also dispense with the necessity of employing any outer shell or casing other than that supplied by the support.

Referring to the drawings, A represents the bottle, which is made of vitreous material, and in the process of being blown or formed has pressed in its side a groove B, which may extend at any angle to the longitudinal direction of the bottle. C represents the hook (sometimes referred to as a rams horn) to which the line-wires could be attached.

The bottle is shown in Fig. 1 in position in the body of the cross-arm or support D, and fastened by a key E, passed through an opening in the support, so as to enter the space of the groove B, whereby the pin will prevent the withdrawal of the bottle from the support.

It is also evident that the shape of the groove could be angular, curved, conical, or other form, the key being correspondingly shaped, and may be formed at any desired angle on the side of the bottle.

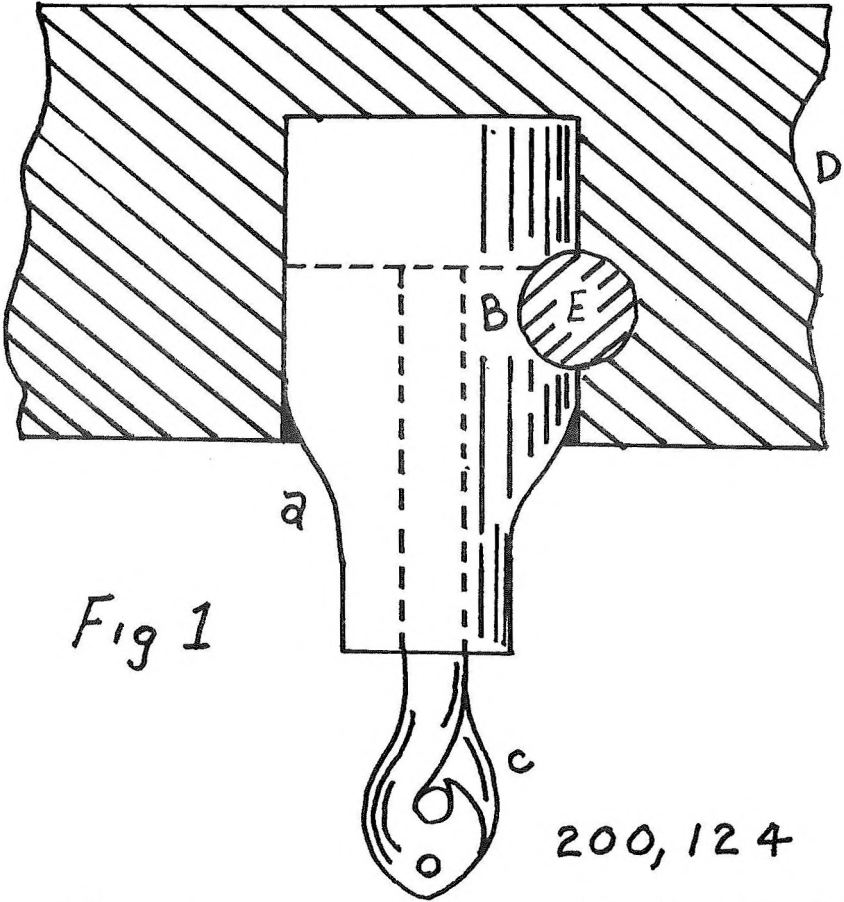


Fig 1

200,124

Feb. 12, 1878

Fig 2

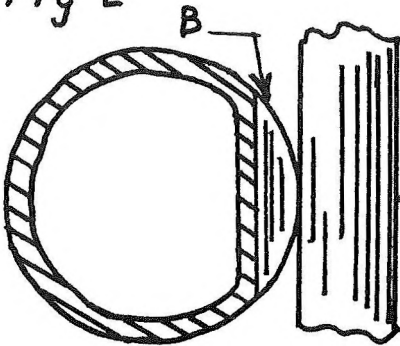


Fig. 3



The second patent #187,183 was patented by Paul Seiler of San Francisco, California. He claimed to provide a glass insulator for electric telegraphs which was of stronger construction and a better non-conductor than those in use.

This insulator was glass with a series of ribs on its outer perimeter, in which were formed grooves or notches to receive the binding-wire. Supposedly the body of the glass was not weakened by having a groove or depression made in it.

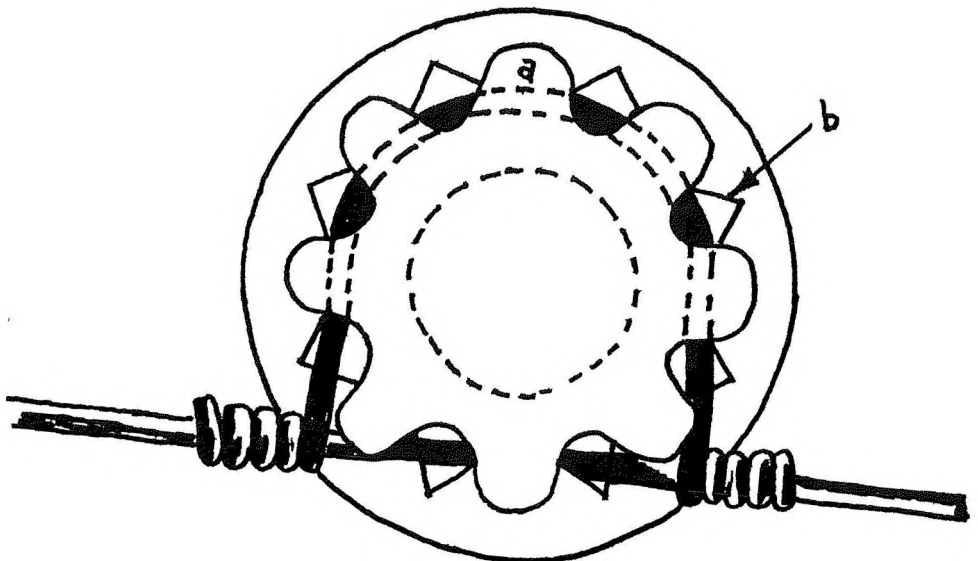
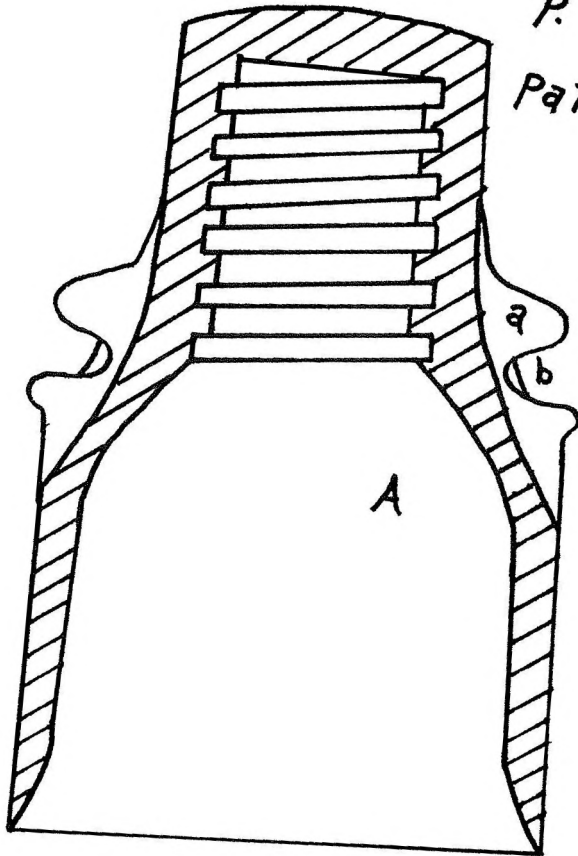
By the addition of the ribs to the body of the cylinder, he claimed to strengthen the insulator without increasing its size and bulk--a very essential item in the construction of glass insulators.

The channels or sunken spaces between the ribs a a in the body of the cylinder also acted as conductors, to carry off the rain from between the wire and the glass, and wash out the particles of dust and other solid matter that lodges in the space between the ribs, by which means the openings are kept always free and clean.

These insulators could be made of any suitable material other than glass without departing from the nature and principle of the invention.

Mr. Seiler described his insulator as "An insulator for line-wires of electric telegraphs, composed of a body, A, socket B, projecting ribs or bridges a a a, and grooves or notches b b b".

P. Seiler
Pat. 187 18



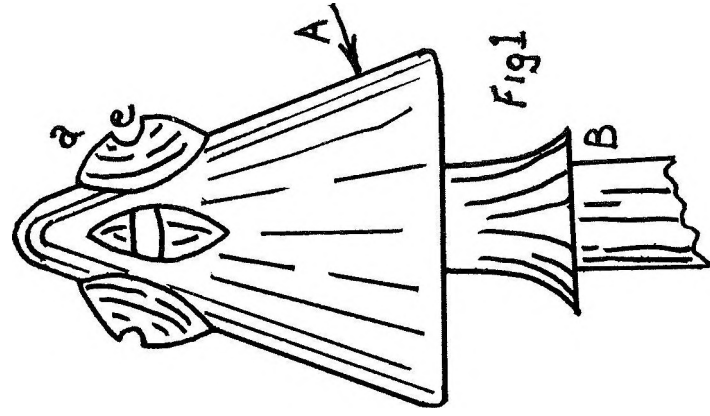


Fig 1

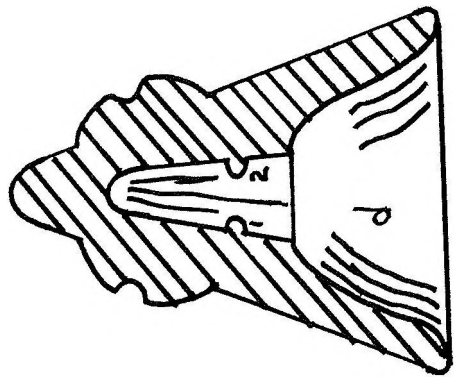


Fig 6

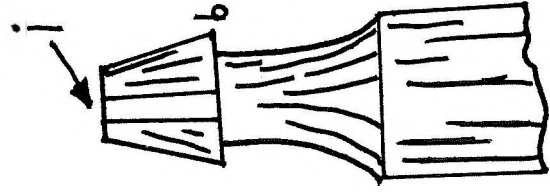


Fig 4

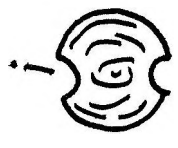


Fig 7

CD 441
Emminger's
Pat. No. 123, 878

This insulator is extremely rare. The patent drawings show this insulator to have no threads. The Emminger I have seen was threaded, aqua in color and embossed: Emminger Pat. Feb. 20, 1872. The Emmingers patent was assigned CD 441. by Mr. N.R. Woodward. All the information for this CD of the month was furnished to us by Mickey Dutcher of Coftland, New York.

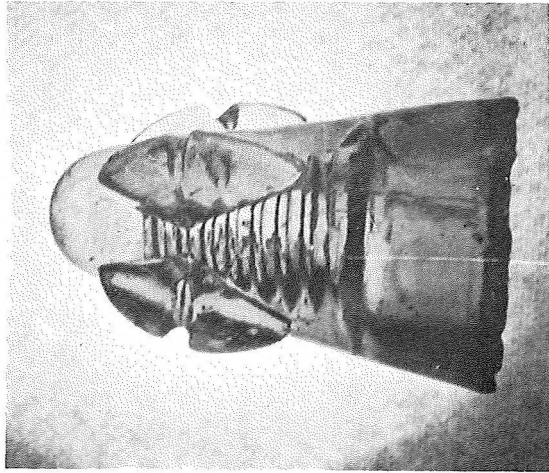
The drawings shown are copies from the patent office files. This is a condensed version of the actual patent letter submitted by Mr. Emminger to the Patent Office:

Be it known that I, David R. P. Emminger, of the city of Harrisburg, Pa., have invented a new and improved "Insulator for telegraph purpose", and I do hereby declare the following to be a full, clear and exact description of the same.

The nature of my invention consists on so constructing my improved "insulator" that dust and dirt are prevented from accumulating upon its outer surface. Also in reducing the points of contact of the conducting-wire with the insulator, in a great degree by a peculiar method of construction of said insulator.

The letter goes into great detail about how the internal projections 1 & 2 on the insulator fit into grooves i on the pin. Further excerpts from the letter read: It is a fact well known to experts in telegraph construction that the ordinary cylindrical glass insulator is very defective in operation. This is mainly owing to the fact that dust and dirt accumulate around the groove and upon the surface below the groove, until a partial conducting medium is formed between the wire and the supporting pin. I have overcome this

difficulty by constructing the body of the insulator of conical form thus permitting the rain to dash upon every part of its surface and wash it clean.



FRONT VIEW



BOTTOM VIEW

This is a photo of the actual Emminger. The photo was taken of Mickey's Emminger by Jim Kelley of Dryden, New York.

IN APPRECIATION

So that we could make the most complete information available on our CD of the month, we wrote to Mr. Marion Milholland of Sequim, Washington, and received his permission to use the list of embossings he has compiled on the different insulators.

Mr. and Mrs. Milholland are well known to insulator collectors everywhere. Mr. Milholland wrote his first book on insulators in 1965. He knew of no other collectors at that time and so his book was never published.

His first published book was in 1967. Soon after the book went to press, he discovered Mr. N. R. Woodward's CD (consolidated design) system in his book THE GLASS INSULATOR IN AMERICA. After studying it, Marion asked for and received permission to use them. His list of insulator collectors had grown to 6 by this time.

It was then that he started traveling around the country so that he could learn more about insulators in different parts of the country and meet other collectors.

In 1968, Mr. Milholland published his second book along with a supplement price guide. This book is presently in its ninth printing and has sold over 10,000 copies. The number of collectors he now knows are too large to even give an estimate.

Marion's current book on the market is a hard bound book, "MOST ABOUT GLASS INSULATORS". This book lists just about every known insulator and its embossing and color.

Sometime in the future, Marion hopes to publish his

fifth book. It will contain about 40% more information than his last.

During the last four years, Marion and his wife, Evelyn, have spent three to five months of each year traveling approximately 20,000 miles collecting information on insulators, attending shows and swaps and meeting fellow collectors.

The only questionable area Marion has come across as far as his books are concerned is his price guide. Some collectors feel that prices are not realistic. The method he uses is simple-- he uses a national average. Of course, this means he is low to some collectors and high to others. But, as Marion puts it, "My price guide is exactly that-- a guide". It seems to me that it will be also determined by the law of supply and demand.

Marion's book deals only with glass insulators and is considered by just about everyone to be the most complete book on glass insulators on the market today.

This is a partial listing of insulators on transmission lines in 1900. This lists the line, number of volts (v), material and approximate size of the insulator.

Shawinigan Falls to Montreal (50,000v) glass, 10x13.

Spier Falls to Sch'dy (30,000v) porcelain, 7 1/2x7.

Niagara Falls to Buffalo (22,000v) porcelain, 7 1/2x7

Garvins Falls to Manchester, N.H. (12,000v) glass
5x4 3/4.

Portsmouth to Pelham, N.H. (13,000v) porcelain 5 1/4
x 3 3/4.

LETTERS TO THE EDITOR

We are grateful to Mr. Milholland, when we asked him for permission to use some of his embossings we received this reply from him:

Dear Mr. Garrity;

Thank you for your phone call asking permission to use insulator descriptions as recorded in the "Milhollands Glass Insulator Book" "You are welcome". We feel proud to be of service to the insulator hobby wherever it may be. You are no doubt aware, Mrs. Milholland and I each year cover most of the United States and a part of Canada, in an effort to get better acquainted with collectors, to attend insulator shows and gatherings, such as Bottle and Insulator Clubs, in an effort to get insulator information to publish for the collectors everywhere,
"To CROSS ARMS"

Evelyn and I wish to extend our very best wishes.
Sincerely, The Milhollands.

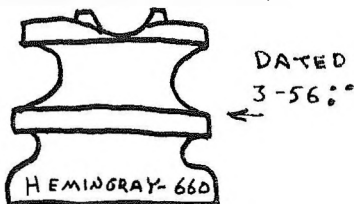
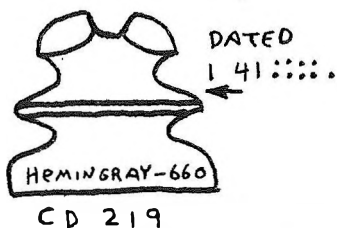
Dear Mr. Garrity,

Just a short note to wish you well with your new magazine and to let you know how pleased I am with it. I have already picked up some valuable information from it.

I have been collecting for about a year now and so far have a comparatively small collection - 60 or so insulators. I am trying to build a collection of the more unusual types. I think I have a fairly good cross-section of the various types so far, but three are still many more I want to acquire. I would like to ultima-

tely accumulate a complete set of the Hemingray series as this seems to offer the widest variation.

I have a question I hope you will be able to answer for me. I have two Hemingray 660's both clear-double petticoat-saddle groove. One is as shown in Mr. Woodward's book as CD 219-the other is not shown in the book and the shape is quite different than CD 219.



I was wondering why the other type is not shown and if perhaps it is more valuable or rarer than the listed one.

Once again, much success in your venture and congratulations on a very fine, informative publication.

Sincerely, William O. Davis.

Dear Bill,

In regards to the insulator in question, it is a CD 218. Value wise they are about equal. 1-41 and 3-56 are the month and year of manufacture.

Mr. Woodward's book is a good book and Mr. Marion Milholland also puts out a book called MOST ABOUT GLASS INSULATORS. (see ad in this issue) He combines Mr. Woodward's CD numbers as well as full size photo's and machine drawings.

Dear James,

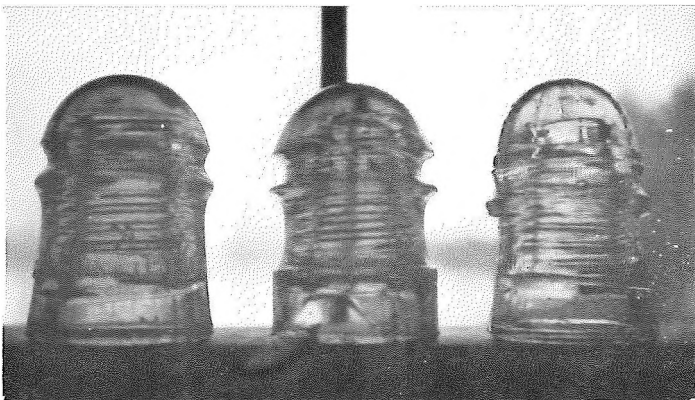
I recently learned of your publication the "CROSS ARMS". I think an east coast publication on insulators has been need for some time now !!

I have enclosed a picture of a very rare insulator I don't think all collectors have seen.

I don't know of any CD number applied to it since it has a very unusual shape for a pony. I took a picture to show size of it. The insulator on the left is a CD 105 AMERICAN INS. CO. has solid lines and dots on dome. My pony is base embossed N. E. TEL & TEL CO. Insulator on right is a CD 103 W. Brookfield in S. C. A. (see photo below).

I have been collecting for several years, have a reasonable collection and some good traders. Collectors around here get together once and awhile and would be happy to pass on to others any new info we come up with.

Will be looking forward to receiving "CROSS ARMS".
Sincerely, Howard E. Mahela.



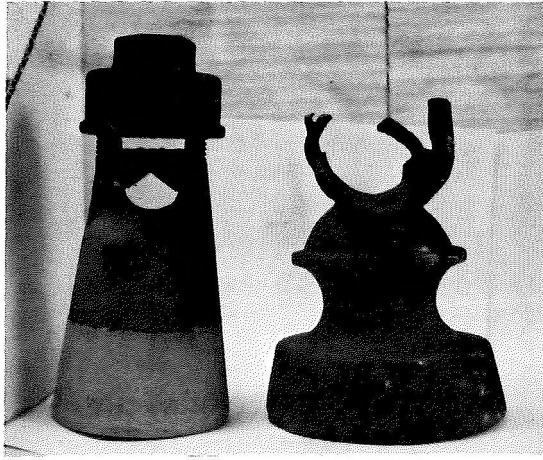
CAST IRON INSULATORS

Cast iron insulators were used mainly for low voltage-high current transmission. The outer shell is cast iron. In some cases the top section is brass. The outer shell is separated from the mounting pin by a layer of composition material that is the insulating factor. These insulators were mostly used on trolley lines and inside manufacturing plants to transmit power over short distances. Another place these insulators are found is in old mines. Cast iron furnished the strength and composition furnished the insulating medium. The two necessary factors for a good insulator design.

Cast iron insulators were always high priced. In 1900 the market price was about \$.75 apiece. Compared to a No. 2 cable whose average price was \$.20 apiece, there was quite a difference.

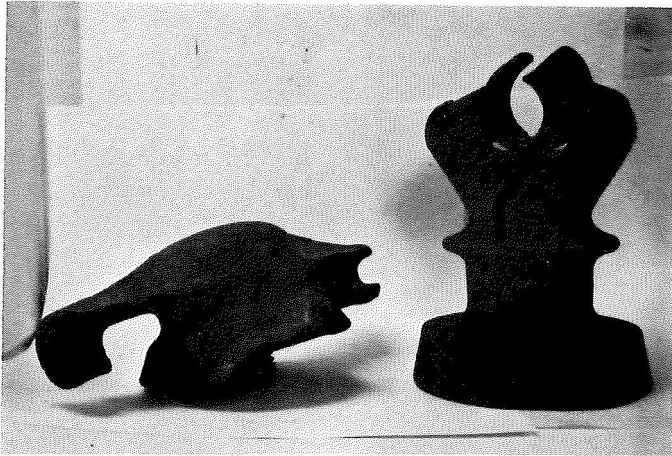


Trolley Feed Wire (Fig. 8) Insulator
from an abandoned mine.
embossed OHIO BRASS, and DUKANE
BULLDOG



Left: split nut type-power insulator
embossed: O. B. FLECTO

Right: top clamp type with "hammer
down" clips embossed on inner skirt:
WESTINGHOUSE.



Left: trolley insulator embossed : FLECTO
OHIO BRASS

Right: toggle clamp type - no embossing.

ADVERTISING RATES are as follows:

Display ads:

1/4 page - \$5.00 per issue
*\$12.00 per three issues

1/2 page - \$10.00 per issue
*\$25.00 per three issues

Full page - \$18.00 per issue
*\$45.00 per three issues

Classified Advertising:

\$.05 per word (minimum \$1.00). The closing date for material will be the 10th of the month preceding the month of the issue.

Ads received too late for the deadline will be run in the next issue.

We accept no responsibility for errors except to reprint the incorrect portion of the ad in a later edition. We will do our best to make sure all advertisers are reliable but cannot be held responsible for the validity of their copy nor for their performance.

Send black and white prints or copies as they will reproduce with more satisfactory results. All material will be returned to the sender if specified, all other material becomes the property of CROSS ARMS.

*This is a slight change from our original price list.

CLASSIFIED ADS

INSULATORS FOR SALE-- Hemingray 25, aqua mint, \$12.50; Hemingray 55, aqua mint, \$7.00; Hemingray D-510, amber, \$8.00; CD 205 Brookfields inner skirt chip, \$10.00; Gayner 530 vnm, \$20.00; Lynchburg 530, vnm \$25.00; colored Mickey Mouses, blue (not dated) nm \$12.50, green dated nm \$15.00; rare wide groove colored Mickey Mouse, mint, \$25 blue; 511A Armstrong, red amber, \$6.00; Green somberos, metal on (French) \$5.00 each; Fog Bowl porcelain gray, mint, \$6.00; blue dated manhattan vnm, \$70.00; blue non dated manhattan, vnm \$60.00; large Chambers, mint, \$200.00, many, many more-- Threadless Wanted. All above plus postage. L. Veneziano CA, 8310 Center St., Rivergrove, Il. 60171.

FOR SALE: CD 460 American Tel. & Tel. Co. pilgrim hats, mint \$85; small rim chip \$75; ISC \$70. All will display MINT! Subject to prior sale. SASE for list. Lakeview Antiques CA, R. D. 1 Box 118, Northville, N. Y. 12134.

FOR SALE: mint or vnm unless stated. CD 156 postal telegraph co. base embossed (sm. chip on inner skirt), aqua, \$45; CD 252 Knowles #2 cable dated with prism (aqua) \$25; CD 259 Cable helmet aqua \$15; CD 175 Hemingray #25 (clear & lt. aqua) \$15; CD 188 (aqua) \$12; CD 234 Pyrex (carnival) \$10; CD 235 Pyrex (carnival) \$10; CD 202 Locke #14 (aqua) (inner skirt chip) \$10; CD 252 Hemingray 62 (aqua) \$8; CD 219 Hemingray-Lowex #660 (amber) \$12; CD 190/91 embossed E (aqua) \$12; CD 190/91 Hemingray #50 (aqua) \$10; CD 121 C. D. & P. Tel Co. (aqua) \$4; CD 121 crown embossed

Am. Tel & Tel Co. (aqua) \$8; postage & ins. extra.
Lists welcome, Edward Szymala CA, 217 Spruce St.,
Cresson, Pa. 16630.

" MILHOLLANDS "

" MOST ABOUT GLASS INSULATORS "

1500 Glass insulators described. Full size photo's and machine drawings. Consolidated numbers for threaded and "threadless" insulators, for the first time. You will like this 248 page-hard cover book. We are proud to offer at \$10.00 Post Paid, including the 1972 price list. (Favorite Milholland #2 Book still \$4.50 P.P. including 1972 Price List.) Order from Dealer "OR" Direct from, Marion Milholland R. #2, Box 368, Sequim Wash. 98382

"Wanted for Private Collection"-- old weathervanes, arrows with glass inserts, animals, lighting rod balls. Please send good description and your best price.
L. Veneziano CA, 8310 Center St., Rivergrove, Il. 60171

Will buy good threadless insulators. Also want rare unusual colors of helmets, Mickey Mouse types. Have variety of better to rare insulators to sell, none common. SASE for reply. Russell Sprague CA, 8800 Greens Lane, Randallstown, Md. 21133.

FOR SALE: mint or vnm unless stated. CD 190/91 PRR, aqua--\$150; CD 131 threadless, aqua--\$95; CD 462 P. L. W. , aqua--\$60; CD 254 #3 cable, aqua--\$35- chip on outer skirt--\$20; CD 168 Whitall Tatum #11 (sm. chip inner skirt)--\$30; CD 178 Santa Ana, aqua--\$20; CD 297 Locke #16, aqua--\$20; CD 120 Pat. Dec. 19, 1871 aqua--\$20; CD 121 U. S. Tel Co. , deep green (chip on side)--\$15; CD 121 Duquesne, aqua--\$15; unem-

bossed--\$5; CD 102 Hawley, aqua--\$12; CD 145 Dated E.R., aqua--\$8; CD 296 Locke #20, aqua--\$10-3 for \$25--unembossed #20--\$5. Lists welcome. Postage and insurance extra. Ferd Huber CA, 385 Allendale Rd., King of Prussia, Penna. 19406 (215) 265-6432.

"WHILE THEY LAST" Surge-CD 100, \$2.00 each for orders of 2 or more-Post Paid; Whitall Tatum #1 CD 154- purple, \$2.50 each, plus postage. Marion Milholland CA, Rt. #2, Box 368, Sequim, Washington 98382.

"INSULATORS WANTED" - Paying top cash prices for rare insulators. Also have many for trade. Please write wants. Please send good description and best price first letter. Especially looking for glass Harloe, Boston Bottle Works, Paisley, all Threadless. Send Larry Veneziano CA, 8310 Center St., Rivergrove, Ill. 60171 Ph. (312) 456-8496.

WE WISH to thank everyone for the warm welcome we received during our recent cross-country research trip. We apologize to all those people who invited us to their homes but, because of our tight schedule, could not accept. Marion and Evelyn Milholland.

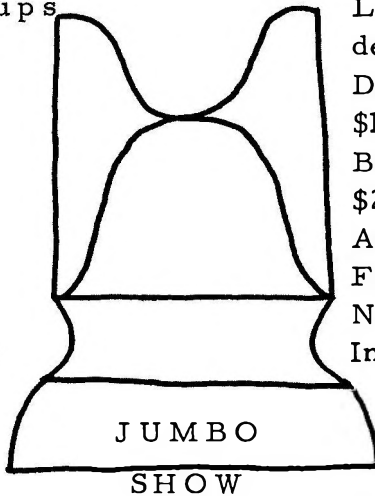
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