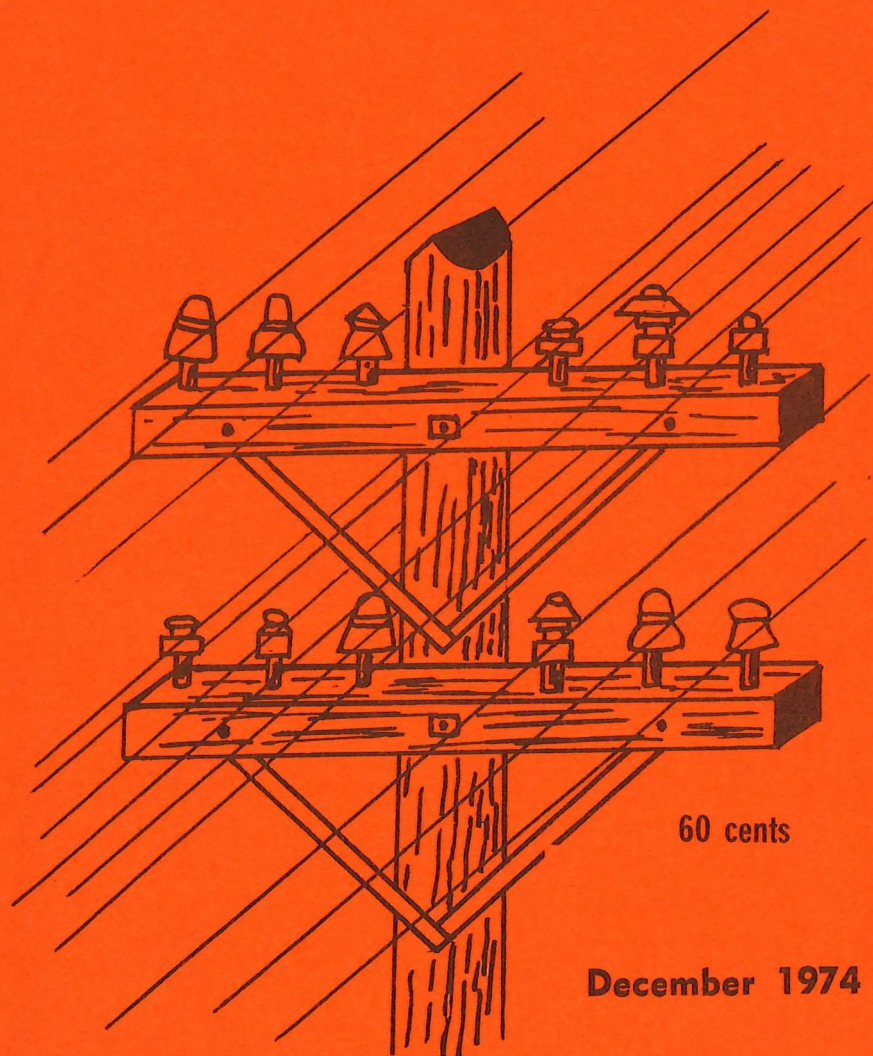


CROSS ARMS

an
insulator collectors'
magazine



BOX 117, R. D. No. 1, PAXINOS, PENNA. 17860

Telephone: (717) 672-9326

CROSS ARMS--dedicated to enriching the knowledge of the insulator collector, and enlarging the ranks of the insulator collecting hobby.

PUBLISHING POLICY

1. CROSS ARMS will publish any information available concerning insulator shows and swap meets.
2. Any information received by CROSS ARMS before the 15th of the month will be published and in the hands of our subscribers by the 5th of the next month.
3. All ads are kept confidential until they are published.
4. 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. We accept no responsibility for errors except to reprint the incorrect portion of the ad in a later edition.
5. 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.

CROSS ARMS

*an insulator
collector's
magazine*

Vol. 3, No. 11

DECEMBER, 1974

Editor	James Garrity
Western Representative	Addie Tasem
Junior Collector Section	Donald Welsh
Production	Catherinè, Amelia, Mary Alice Garrity

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SHOWS AND SWAPS

JANUARY 18-19

Jackson, Mississippi

Middle Miss. Antique Bottle Club Show and Sale. Bottles, Insulators and Jars. Increasing participation from insulator collectors and dealers. State Fairgrounds, Jackson, Miss. Info: Middle Miss. ABC, P.O. Box 233, Jackson, Miss 39205.

FEBRUARY 1

Sparta, New Jersey

2nd Tri-State Insulator Show, Sparta Methodist Church. Sponsored by Mike Issler and Jim Bridges. Info: Mike Issler, 273 East Shore Tr., Sparta, NJ 07871.

FEBRUARY 1-2

Las Vegas, Nevada

The Southern Nevada Antique Bottle Collectors will present their tenth (10th) annual show and sale at the Las Vegas Convention Center. Info: Show Sec. Mrs. Pat Eastley, 431 No. Bruce St., Las Vegas, NV 89101 (702) 382-4929.

MARCH 22-23

Perrysburg, Ohio

The 3rd Glass Capitol Insulator Show at the Lakevue Hall located at the intersections of US Rt. 20 & I-75. About 10 miles south of Toledo in historic Perrysburg, OH. Info: Jack Snyder, 244 Waggoner Blvd., Toledo, OH 43612.

APRIL 12-13

Delane, Florida

The M. T. Bottle Collectors of Volusia County, FL, announces their 5th annual bottle and insulator festival to be held April 12 and 13 at the Volusia County Fairgrounds. Located at the intersection of I-4 and State 44 east of Deland. Info: M. T. Bottle Collectors, P.O. Box 1581, Deland, FL 32720 (904) 734-8865.

APRIL 26-27

Rochester, New York

Genesee Valley Bottle Collectors Association 6th Annual Bottle Show and Sale. Insulators, LRB's, Bottles, Jars, Go-withs. Monroe County Fairgrounds, Rt. 15A. Info: Dick Bowman, 1253 La Baron Circle, Webster, NY 14580. (716) 872-4015.

JULY 11-13

San Diego, California

6th National N. I. A. Convention at the El Cortez Convention Center. Maury & Addie Tasem, 519 Verdin St., El Cajon, CA 92021.

SPECIAL NOTICE TO SHOW MANAGERS & DISPLAYERS

Please be advised that for the next eight months a copy of the Brookfield Catalog will be donated for the best Brookfield Display at each show. Show managers please request in plenty of time for mailing if you will have a Brookfield display.

MARION MILHOLLAND
RT. 2 BOX 368
SEQUIM, WA 98382

THE NAME "JAMES" ON THE ROOF TOP
By Dottie Daugherty

W. D. James organized the James Manufacturing Company at Fort Atkinson, Wisconsin in 1906. He had been born and raised on a dairy farm and he had a prejudice against doing any work himself that could be done easier by machinery; for when there was no machine to do the work there was lots of fun to be had trying to devise some way of doing it more cheaply than by manual labor. His inventions to lessen labor and improve sanitary conditions in the dairy barns led the way for a large and profitable business. His company not only designed barns but many of the operating machinery pieces as well. When James equipment or devises were offered, you could be sure that they had been proven satisfactory in actual use and that they would fulfill perfectly all requirements. James equipment was not built on theory. Before equipment was offered to the public, it was put through many tests to determine its practical worth and strength.

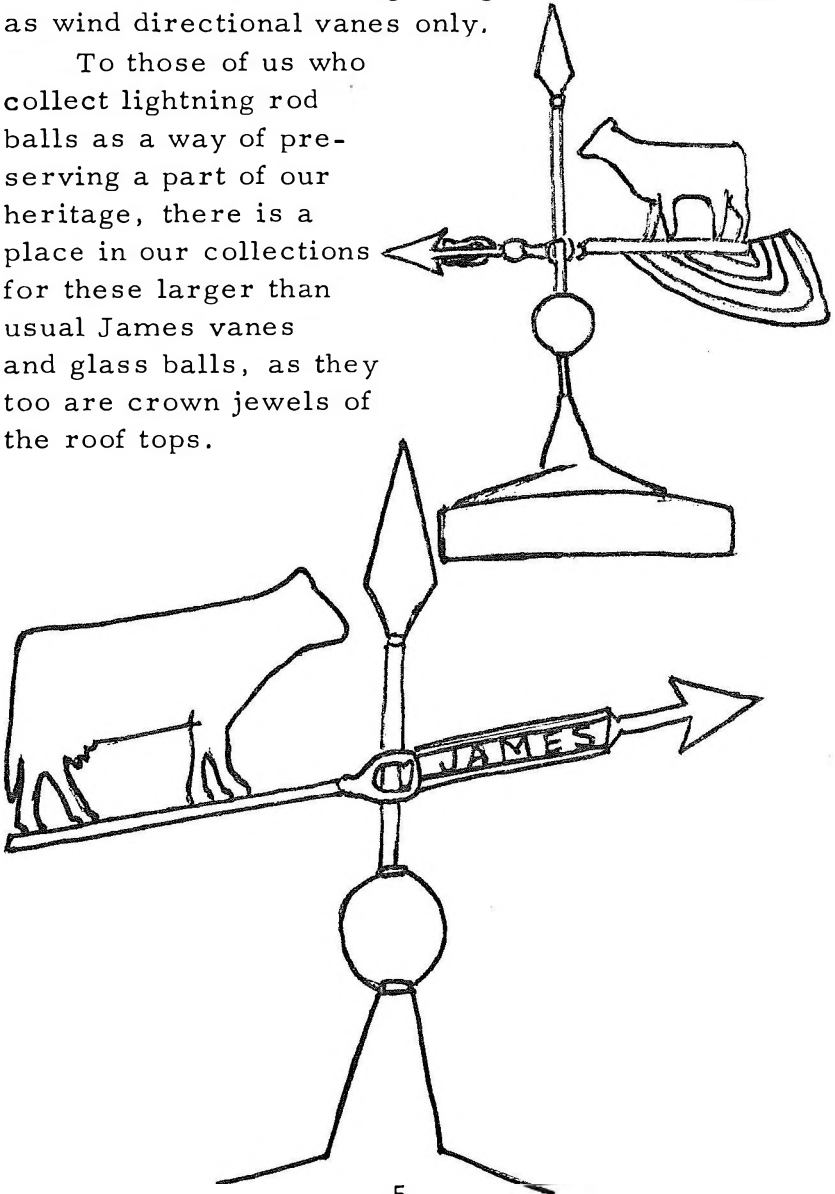
In 1912, Mr James added to his list of proven patents, a ventilator for a barn. The ventilator had a top that turned with the slightest breeze and a vane keeping the large opening always towards the wind, thus creating suction, exerting a powerful pull on the air in the out take flues of the barns, and thus taking out the stale or warm air.

The full bodied vanes were of double strength stamped zinc, covered with genuine gold leaf and are known to be in shapes of cows and roosters, and possible other barnyard animals. The malleable arrow was covered with gold leaf and red as well. A 5" glass ball was an added ornament to the James ventilator vane. Some of these arrows had the name JAMES in large 1 1/2" and 2" cut out letters on the

arrow shaft. Other James arrows had no such lettering or identifying marks.

The James ventilators are well described and pictured in a book published by the Company in 1914. No where in this book does it claim these high-atop the barn animals and arrows were designed for or intended to be used as lightning rods but were used as wind directional vanes only.

To those of us who collect lightning rod balls as a way of preserving a part of our heritage, there is a place in our collections for these larger than usual James vanes and glass balls, as they too are crown jewels of the roof tops.



NOTICE

We are now beginning to assemble our Subscriber's Directory for publication in February of 1975.

As you know this directory is not a regular issue of CROSS ARMS. There are no advertisements in this issue, therefore you must order it in advance. The cost is 50¢ for subscribers and \$1.00 for non-subscribers.

This year there will be a limited amount printed due to the cost of paper, printing, etc.

Any club that wishes to be listed, this is free. Just send along the name and address that you want it to be listed under.

All subscribers will be listed automatically (whether you order the Directory or not) unless otherwise specified.

We offer again this year, the chance to have your name listed under a speciality collector. Please give your name, address, and which speciality you would like to be listed under. The cost will be 50¢ per speciality. The listing will read:

(example) CD 145

John Doe
123 Insulator Street
Paxinos, PA 17860
(717) 123-4567

Any subscriber who would like their telephone number listed along with their name, this will be added at no extra cost. Please just send it along (don't forget your area code) before the deadline.

Also anyone who wishes to have their name (or telephone number) deleted from the directory, please let us know.

The directory contains:

1. an index which will help you locate information from the previous year's issues (1974.)
2. a center page (which is removable) that gives you information on the up-coming N. I. A. National Convention Show & Swap Meet.
3. a listing by states and alphabetical order of all CROSS ARMS current subscribers. (this can be handy when travelling to meet new insulator collectors.)
4. a listing of collectors by their speciality.
5. a listing of books that are available to the insulator collector.
6. a list of all insulator clubs.
7. phone numbers (when available) are listed with the collectors' addresses.

Quote from Nov. 1945 Westinghouse Engineer-
"Until recently, the only use for uranium was as a coloring agent for ceramics and glass. It was used in amber signal lenses and in glass of special coefficient of expansion for glass-to-metal contacts in radio tubes."

NEW LOCKE FIND

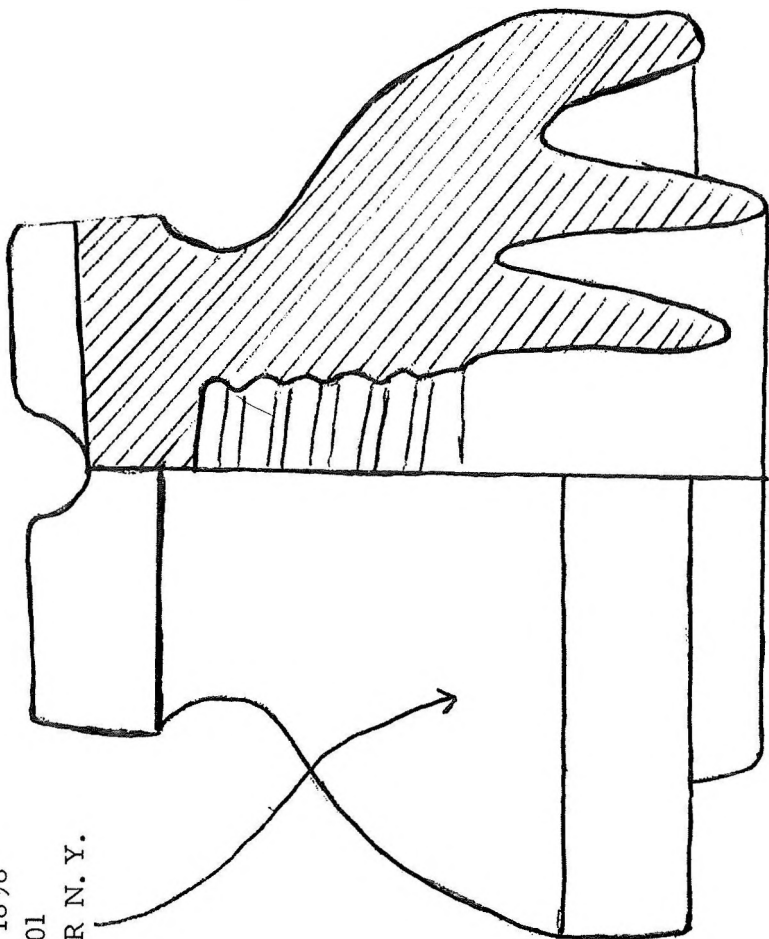
PAT'D NOV 24 & DEC. 15, 1886
SEPT. 28, 1897 JUNE 7, 1898
MAY 29, 1900 APR 30, 1901
FRED M. LOCKEVICTOR N. Y.

(INCUSE)

1886 date maybe error

Dee Willett has sent
me this drawing of a
new Locke cross
top. It is off-white
top rest. 5 X 4.
We consider it a
rarity.

Gerald Brown



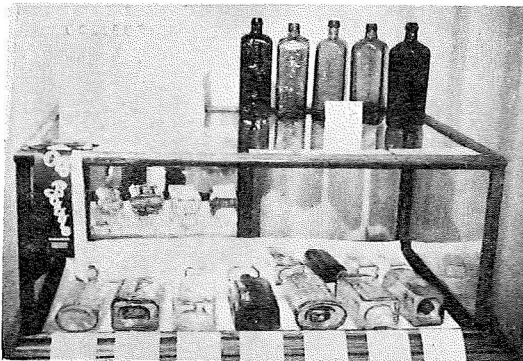
DEL-VAL BOTTLE CLUB SHOW

On October 20, the Del-Val Bottle Club held their annual bottle and insulator show in Sellersville, Penna. As always it was a good show. Del-Val has always treated us insulator collectors as equals and the club should be commended for it. Since the show is mainly a bottle show. No earth shaking insulator discoveries were uncovered, but the important thing- "everybody had a good and profitable time."

Pictured below are the ribbon winners.

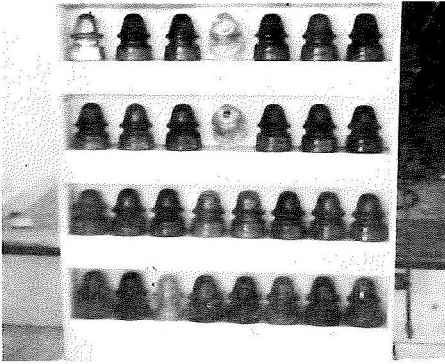


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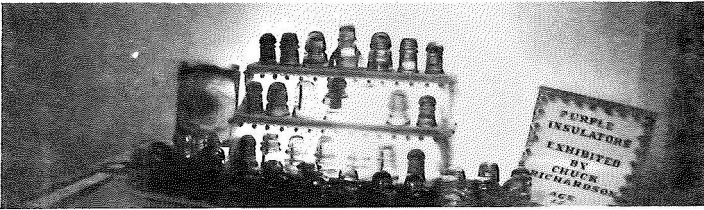


Midge Jurin, O. B. X. winner .

Del-Val Bottle Club Show.



George Morton of St. Thomas, Penna., CROSS ARMS
1st Place



Chuck Richardson, CROSS ARMS 2nd Place winner.

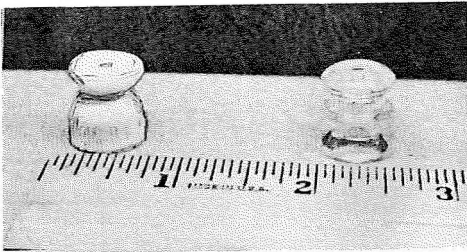
Many awards were given which we don't have space to show. The winners were:

- Dealers Choice-1st Bot. Art Evans
- 2nd Bot. Gene Crane
- 1st Ins. Chuck Richardson
- 2nd George Morton
- Judges Award- 1st Gene Crane
- 2nd Art Evans
- 1st George Morton
- 2nd Chuck Richardson
- People Choice- 1st Mark Stangler
- 1st Chuck Richardson
- Digger of the Year-1st Peg Clark
- 2nd Alan Holtz

FROM Gerald Brown

On page 98 of my Second Edition, Collectible Porcelain Insulators, I show a miniature insulator with the marking "EDISON". I did not know its use.

Recently I have heard from Tom Louden, of Troy N.Y. that a relative of his had seen such an insulator and had brought it to him from Italy. There it had been in use on a "hot" line on a building, which was to repel pigeons.



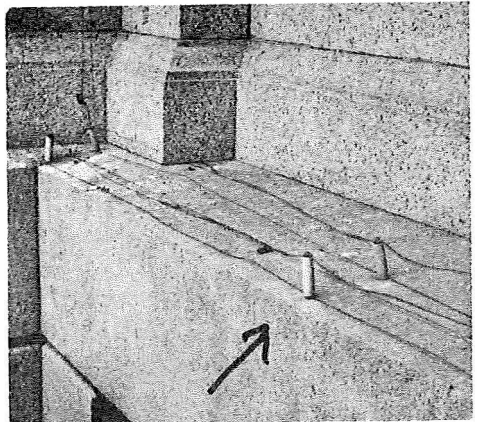
See left-

On telling this fact to someone in Albany New York, where Tom works, he was told that such pigeon repelling

lines were on some building in Albany. On further investigation Tom was able to find several such systems in use on building in downtown Albany.

A picture of such a line is shown at the right. It will be noted that here tube like insulators are used.

So it may be that the little Edison ones were used on some sort of a line for a like purpose.



I had heard of electric lines to contain live stock but never to repel pigeons.

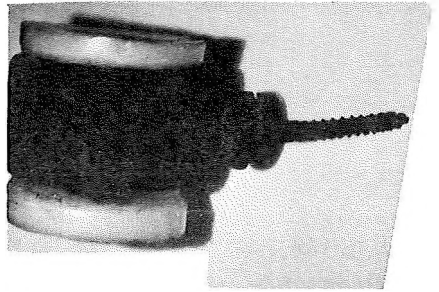
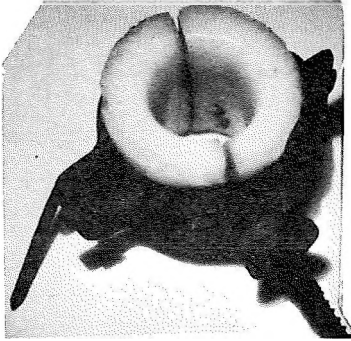


Season's Greetings

Addie & Maury

There's so much more
to see and do in San Diego
than just attend your convention . . .
allow yourself time to enjoy it all.

INSULATOR RESEARCH



This insulator was sent to CROSS ARMS by a West Coast reader. He asks the question, "What is it?"

Answer: the insulator is used usually inside of industrial plants to hold power feeder cables.

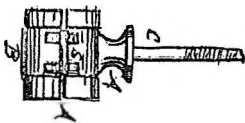
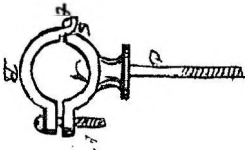
Insulator Description: a 2 piece split glass bushing 2 1/4" long--2 1/8" outside diameter-1 1/8" inside diameter. The glass is white milkglass. The cast iron cover is embossed: PAT'D AUG, 16, 1887.

Insulator patent information:

368,284. ELECTRIC-WIRE-CLAMP INSULATOR. John R. Fletcher, Dayton, Ohio. Filed Dec. 22, 1886. Serial No. 222,236.

Claim, --An electric-wire-clamp insulator comprising part A, having screw C, semicircular part with ear and rounded part t, and semicircular part B, having ears and hooks s, and screws to

unite said ears, substantially as shown and described.



The odd part about this particular insulator and its accompanying patent information is that the insulator is definitely milk glass, while the longer version of the patent refers to "a divided porcelain insulator." This piece is not connected with telegraph or telephone but is an "Electric-wire-clamp insulator" with the object to make a secure fastening to electric light wires in connection with buildings.

+++++

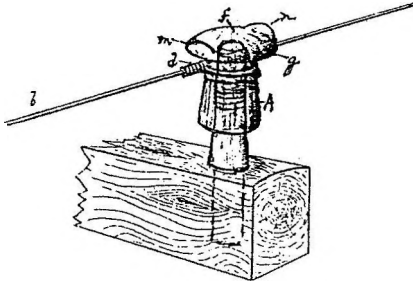
Richard Koval of West Belmar, New Jersey, showed up at the annual Sellersville Bottle Show and proved that Brookfield Glass Company did indeed manufacture 3 piece high voltage insulators.



The picture is of the top 1/4 of a CD 367, is dark green in color and the ear is embossed BROOKFIELD. The piece clearly shows the 3 piece cemented-together. (This was dug from the Brookfield dump.)

On the following two pages are some of the patents we have come across while doing research on insulators. Would be nice to find a few of these gems.

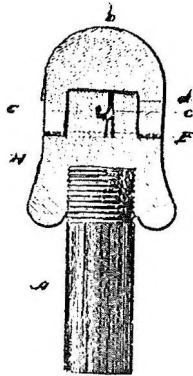
425,513. INSULATOR. William P. Kookogey, Brooklyn N. Y., assignor to the Kookogey Electric Company. Filed Ja. 9, 1890. Serial No. 336,447. Patented April 15, 1890.



Claim.-- 1. An electric-wire insulator having a shed or hood as part thereof, part of the periphery of said shed being turned upward, substantially as shown, and for the purpose described.

2. An electric-wire insulator having a water-deflecting shed or hood as a part thereof, with its edge turned upward at the points which lie in the vertical plane of the line-wire, substantially as and for the purpose described.

375,276. INSULATOR. Edward C. Emery, San Diego, Cal. Filed Sept. 1, 1887. Serial No. 248,511 Patented December 20, 1887.



Claim--1. In an insulator, the combination of the internally-screw-threaded part B, having a central upwardly-projecting portion with a J-shaped slot formed transversely therein, and a cap, D, having a socket and slots E and E' formed therein, the inner end of the J-shaped slot and the slots E E' being arranged diametrically, substantially as and for the purpose set forth.

2. In an insulator, the combination of the portion B, provided with a central upwardly-projecting portion, which is provided with a transverse slot, the lower portion of said slot being curved upwardly, so as to provide a depending portion, c, cap-piece D, having slots E and E' the upper ends of said slots extending in opposite directions, and a washer, F, substantially as and for the purpose set forth.

EDITORIAL

APATHY-as defined by Webster's- "lack of interest and activity." As defined by an insulator magazine editor-"insulator collectors who want to collect insulators but won't contribute to their hobby--either by not passing on information to fellow collectors or sitting by and letting "George do it", when it comes time to organize a show or help build up public interest in the hobby of collecting insulators."

I have been actively publishing CROSS ARMS since February '72, and the one sad fact I have discovered about insulator collectors seems to be--their apathy toward the hobby. For every collector who helps to advance the hobby, there are 9 who just sit back and observe or complain.

PEOPLE, we must start actively supporting our hobby. Right now we collectors have everything we need to forge ahead.

1. A national organization devoted to insulator collecting--the N. I. A.
2. Several good books published by insulator people (both porcelain and glass.)
3. Two monthly magazines devoted to current events and history about insulators.
4. The most beautiful pieces of collectible glass available to the hobbieist today.

The biggest thing missing is interest. Go out and talk up your hobby. In the course of a conversation you can interest a person enough to start him thinking about insulators.

Face it, our hobby is contagious--but only if you can transmit your enthusiasm to another person.

Let's get busy--"George is tired." We have to carry the ball now, let's run with it and score. Nothing, quote"Nothing" connected with our hobby can survive without everyone's backing.

For us to see the hobby grow, we must put forth some effort;

1. Support the N. I. A. and help them as best you can to reach their goals.
2. Contribute information to your insulator magazine, so it can be passed on to fellow collectors.
3. Let the world know you collect insulators and when they ask, "WHY?", tell them.
4. Appear at as many shows as you can either as a table renter or an an attendee.

The entire future of the hobby is in the hands of the average collector. Without your help the hobby is sunk. THINK ABOUT IT. Then, please do something about it.

Your Editor
James F. Garrity

HAVING TROUBLE FINDING THE RIGHT GIFT?



HOW ABOUT
A
GIFT

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Paxinos, PA17860

++++
Enclosed please find \$6.00 for One Year Subscription
to
CROSS ARMS
TO

NAME _____

Street and Number _____

City _____ State _____ Zip _____

(Make checks or money orders payable to CROSS ARMS)

Courtesy of _____

THE INSULATOR OF THE MONTH

by E. C. Storey

Beginning with this issue CROSS ARMS is pleased to begin an insulator of the month series. The center page of the book is intended to be removed for permanent loose leaf binding. A binder and index will be made available at a later date.

Success of this series is dependant upon reader participation. We would like to hear from you about interesting insulator facts. Histories of companies, locations of insulator types and types of installations would all be of interest to other readers. If you find a mistake in our series we would like to hear of that too.

Deadlines for each month are the publication date of the previous month. Nest month's insulator will be a Barclay patent. Readers are welcomed to suggest insulator types they would like to see features.

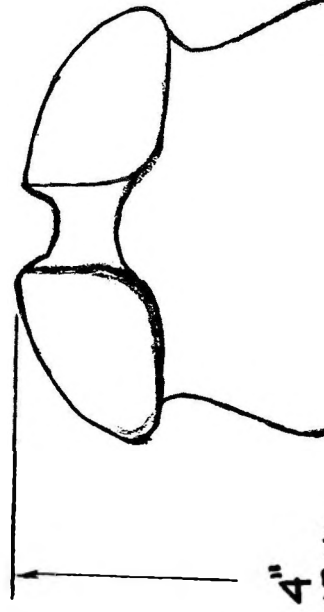
Please send Insulator of the Month information directly to:

Edwin C. Storey
98 Apollo Drive
Rochester, NY 14626

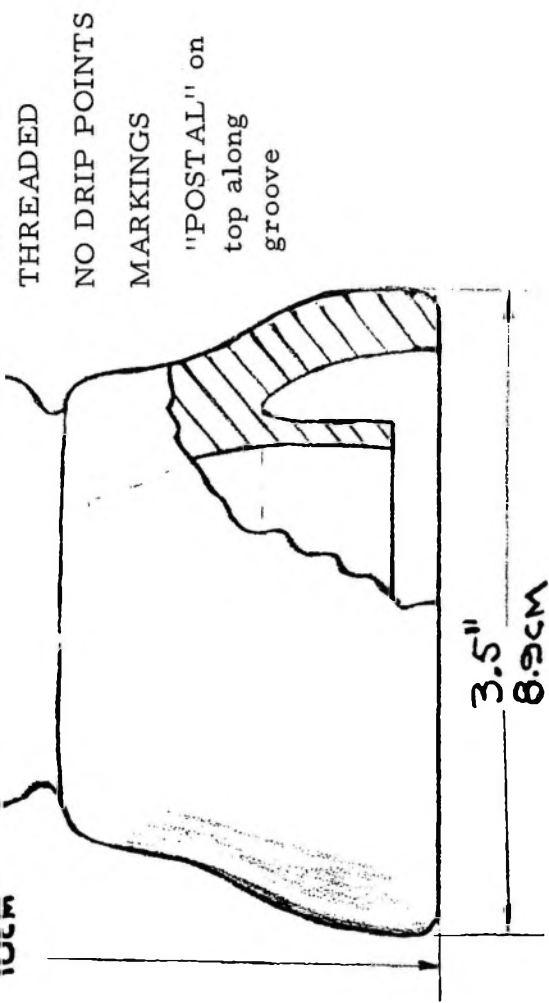
Record of Insulator

Where seen/found Price/condition Comments

POSTAL
c.d. 210



GREEN
DOUBLE PETTICOAT



This insulator was designed by the Postal Telegraph Company & made for them by an insulator manufacturer. The design is unusual in that it was intended to allow the wire to be gasted either to the side at the lower groove or across the top.

History

The Postal Telegraph Company was in competition with the Western Union until the latter bought them out in 1943. In many instances their lines paralleled one another along a railroad right of way. Postal lines were not on the railroad poles as the Western Union lines were. Shortly after Postal was bought out, Western Union dismantled duplicating lines. It is rare to see an insulator of this type on a pole today.

This design was used in the northeast and could probably be found along railroad lines between cities that had Postal offices.

CROSS ARMS

December 1974

by E. C. Storey

THREADLESS INSULATORS
IN NORTHWESTERN OHIO

By Terry Bauman

Finding a threadless insulator can be quite a traumatic experience as I can attest. Being a new collector on my third expedition I picked up an unembossed Wade cylinder laying in the mud. Thanks to a couple of friends I at least knew what I had.

By doing a little research we discovered that in last half of the eighteen hundreds, Ohio was quite a railroad state, particularly northwestern Ohio. Since then we have walked some of the old lines and parts of six types of threadless insulators. Both embossed and unembossed Wades CD 723, embossed McKees CD 731, no name CD 732, no name CD 728 and Big blue CD 735. 6 have been found.

So far we have not found any whole ones but we dream a lot about it. So all of you collectors take heart, they are out there waiting to be found. Good luck and keep looking.

ATTENTION INSULATOR COLLECTORS:

Interested parties only are invited to join the "West Coast Insulator Club of Canada."

Further information may be obtained by writing:

Mr. Larry Lundgren
2910 Cosgrove Crescent
Nanaimo, B. C.
Canada.

PORCELAIN--An Ancient Art, A Modern Science

Reprint from Westinghouse Engineer May '46

The electrical industry, only a little more than two generations old, depends to an extent seldom appreciated on one of mankind's oldest industries-- pottery making. The use of porcelain, which is one specialized form of that ancient art, threads through nearly every phase of the electrical engineer's handiwork.

The beginnings of pottery are lost in antiquity. The art was an independent invention of nearly every primitive people, as testified by the archeological findings in caves and graves the world over. The form of pottery known as porcelain, however, is more modern. Most historians agree that porcelain as we now know it had its beginnings about 600 A. D. in china under master potters of the T'ang| dynasty whose work is still unsurpassed.

Early adventurous European travelers, such as Marco Polo, brought specimens from China to Europe where attempts were made to copy the work of the Chinese artisans. But much secrecy surrounded the making of porcelain, the skills being carefully guarded and handed from father to son. This held true, surprisingly enough, until the turn of the present century. Attempts to make ceramics a science instead of an art appeared in the early 1890's. In 1894 the University of Ohio established a course of scientific study of ceramics, the first in the United States.

Three qualities distinguish porcelain from other ceramics: its translucency (in thin section), its vitrification (i. e. , glass-like quality), and its high fired glaze.

The fundamentals of porcelain making have not changed from the beginning. The changes have been refinements in techniques, firing, etc., and in better controls of raw materials and qualities. Most porcelains consist of clay, flint (quartz), and feldspar mixed with various amounts of water, shaped by molding, pressing, or casting, and fired at from 1200 to 1500 degrees C. Protective glazes--which are but forms of glass--are applied sometimes after a preliminary, partial firing, but always before the high-temperature firing.

High-voltage electrical porcelain is essentially just a high-grade porcelain. The ingredients do not significantly differ from those in fine china-ware. The processing techniques, however, while not basically different, are more exact. Few flaws can be tolerated. Firing must be more complete and controlled more precisely. The process refinements are extremely important to production of high-quality porcelain suitable for electrical use.

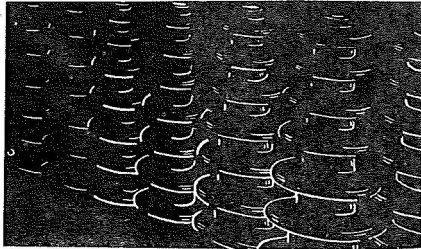
The skin on an electrical porcelain insulator does a lot more than keep the water off. It provides a large portion of the mechanical strength, all out of proportion to its thickness. The glaze, which is a form of glass, may be only of the order of ten thousandths of an inch thick. However, applied to a porcelain rod that, bare, has a strength in tension of 10,000 pounds per square inch, it may raise the strength to 15,000 psi. Furthermore, not just any glaze will do. Some glazes may actually diminish the strength, by as much as three fourths.

The trick in providing a high-strength glaze is, in effect, to make one that, like a glove, is slightly larger than the body it covers. By using a type of glaze that shrinks in the firing and cooling a trifle less than the body it covers, it is held in compression. Thus considerable stress must be applied to

overcome the compression force before the stress in tension is large enough to cause a crack, which is the Achilles heel of porcelain.

One might think that to make the best high-voltage insulator would require building one with the highest possible surface insulation resistance. Not so. A high-voltage, power-transmission insulator must have built into it a certain small amount of surface conductivity, else the voltage may "pile up" at certain points, surpassing the corona point and allowing the insulator to become a miniature broadcast station and causing radio interference. The voltage is forced to distribute more uniformly over the insulator surface by the inclusion of a slightly conducting layer. This is now done by applying a film of suitable semi-conducting material under the glaze and next to the porcelain body. Curiously enough, one of the problems of building a radio-interference-proof insulator that long defied solution was making the high-resistance film stay put.

Many films have the annoying tendency during the firing and curing process of working through to the outside of the glaze, where they can



readily be destroyed. Dr. Russell, author., had a large hand in developing a radio-interference-proof layer that stays put during processing and in the field of Zircon-type ceramics-a valuable addition to the porcelain family.

LETTERS TO THE EDITOR

Dear James:

I see you all got moved and hope you are getting set up. We are doing the same thing in our garage, making it for our collection of glass and porcelain also with all the go-withs like a small insulator museum. Don and I have formed an insulator club called "The Cross Arms", a chapter of the Gold Coast Collectors Club of Wilton Manors, Fla. Only Don and I will have the club at our place here at 1756 N. W. 58th Ave, Lauderhill, Fla 33313. With meetings here every 3rd Wed. in every month at 8 o'clock.

Don Bryant as President and Ruby Bryant, Vice President. We asked anyone who is in this area on these dates to stop by and be with us and bring your insulators to trade and sell. We have show and tell, with slides, raffles during the meeting on different kinds of insulators and we will have a show in Jan. sometime, date not set yet.

Ruby Bryant
Lauderhill, FL

* * * * *

Dear Sir:

I recently acquired 2-CD 155 Hemingray 45's with FROSTED white glass.

I am curious if you have ever come across frosted glass insulators before. I don't find them listed in Milholland's book.

Sincerely,
Jay Jenkins

Dear Jay,

I don't want to burst your balloon, but the only frosted insulators I have ever come across were either treated by sand blasting or exposure to hydro-

floric acid fumes. This is not to say your insulators have been altered, but it does indicate a need for you to double check the authenticity of your pieces.

* * * * *

Dear Mr. Garrity,

It has been a busy three months since the 5th National. However, we want to tell you about our experience at the show.

We really looked forward to the time of the show in Hershey. We arrived early and enjoyed visiting with other collectors. The three days passed quickly and our eyes were tired from looking at so many beautiful pieces of glass.

While we were packing up to leave, two pieces of our display were removed by unknown persons. One was an antique piece of pole from an early communication line in southern New Mexico. It consisted of three pieces-a 15-18 in pole top, peg, and iron band which we had already packed. The other was a piece of modern crossarm with our name and location on it. We made several phone calls and still had hopes that these items might be returned to us.

We arrived back to New Mexico with several "prize" insulators but that "empty" spot remains on our shelf.

Thanks for listening

Sincerely,
Marilyn and Chris Seamons

* * * * *

Dear Jim:

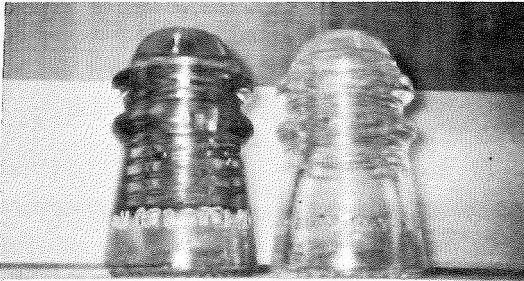
We acquired an aqua CD 106 embossed AM, TEL. & TEL. CO. at the St. Charles show this year.

This is the first CD 106 with this embossing that we have seen or heard of.

The picture shows the AM. TEL on the left and a Hemingray No 9 on the right.

Any ideas concerning this insulator would be greatly appreciated.

Yours truly,
Gertrude & Roy Galloway
105 Harkins Dr.
Winchester, KY 40391

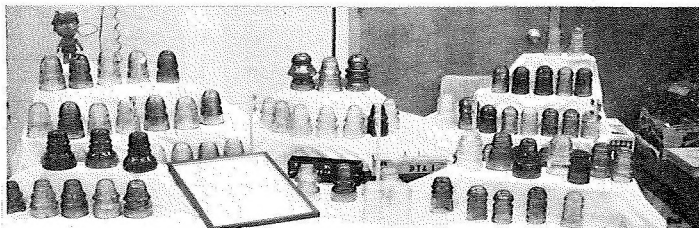


Dear Roy,

Sorry I can't fill you in on your nice find, but thanks for the information and picture. I'm sure our readers will appreciate it.

CAPITOL DISTRICT INSULATOR CLUB SHOW & SWAP MEET

Nov. 10, over 30 collectors and dealers assembled for the annual "Scotia Show". The show was held in the Shenendehowa Central School, Clifton Park, New York and was very successful. A lot of new faces came "thru the door." The Capitol District Club is to be commended on their advertising--it paid off. Quite a few new pieces made their debut at this show. Marion Milholland and wife, Evelyn were in attendance (as part of their '74-'75 research trip.) along with Mr. Brookfield, who displayed and partook in the "wheeling dealing."

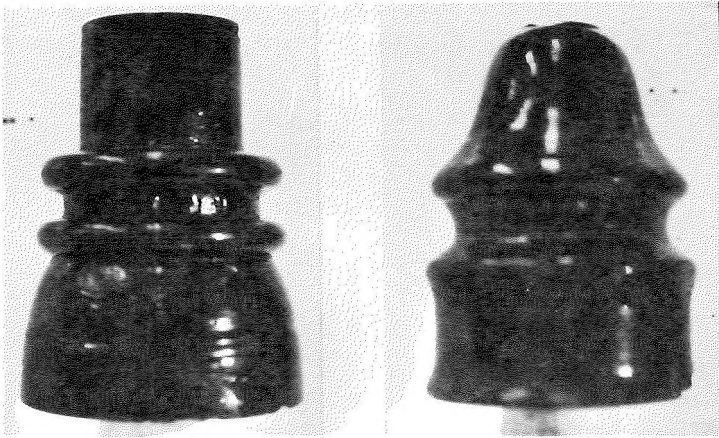


The Brookfield Catalog for best Brookfield display went to the Ecks.

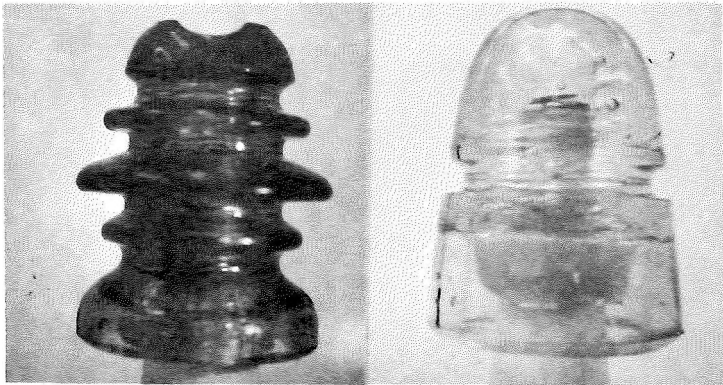


Crown Jewels 2nd place went to Bill Motisher.

Capitol District Insulator Club Show.

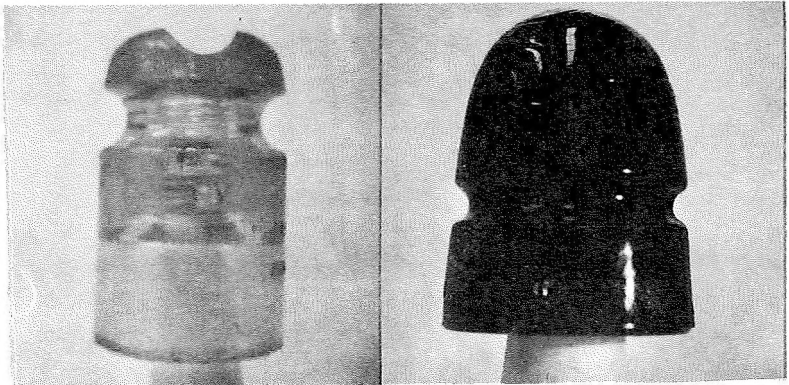


left: a no name, saratoga green, threadless hat 4 3/4" high from Fred Swiechowicz of Randolph, Mass. This is a new CD. Another new threadless CD shape from Chuck Riggs of NY, a no name black glass threadless 3 3/4" high (button top) (right)

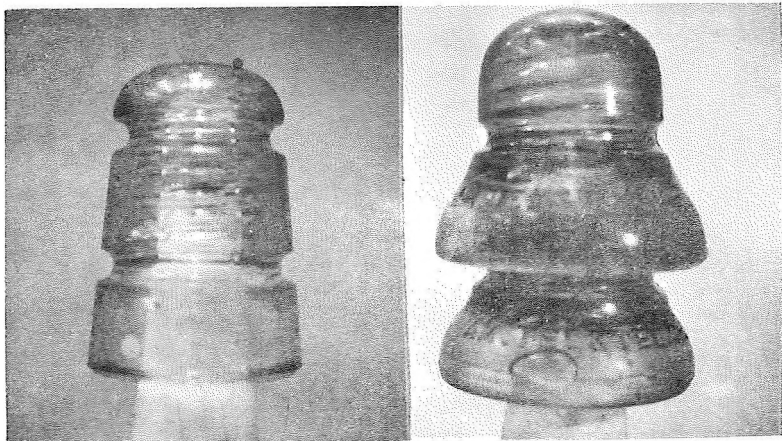


left: a Locke cross-top from Bill Motisher of Albany, NY. This piece was found in a transformer vault in Tupper Lake, NY. right: a rim embossed, CD 145 American in aqua. This insulator has 4 embossing errors from Sterling Finch of NY.

Capitol District Insulator Club Show.

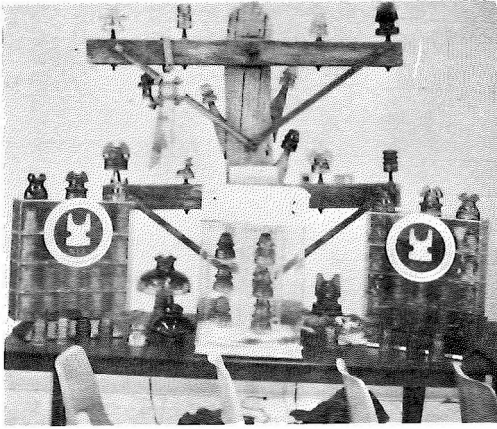


left: a new shape. 5 1/2" high, aqua, embossed (F) shirt-PATENTED AUG 8 1893---rim-THE STANDARD GLASS INSULATOR CO. BOSTON MASS from Edna McDonald of Woodside, VT. right: a CD 143 embossed STANDARD over a blocked out CANADIAN PACIFIC R. Y. in black glass from Jean Paul Legault of Canada.

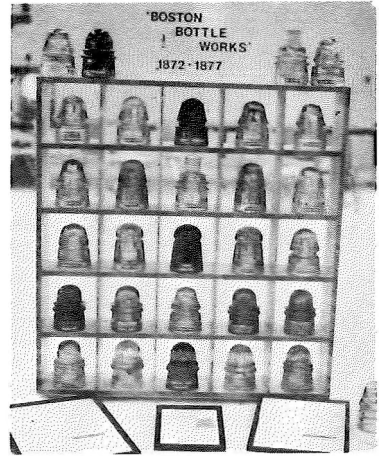


left: a new shape 3 3/4" high, in aqua. Rim embossed: THE STANDARD GLASS INSULATOR CO BOSTON MASS from Tom Moulton of NY. right: an aqua 190/193 embossed AM. TEL. & TEL. CO. from Todd Rogers.

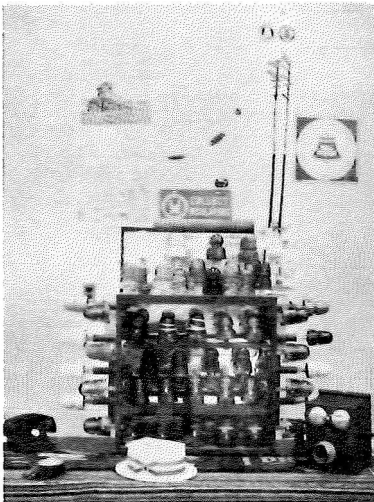
Capitol District Insulator Club Show.



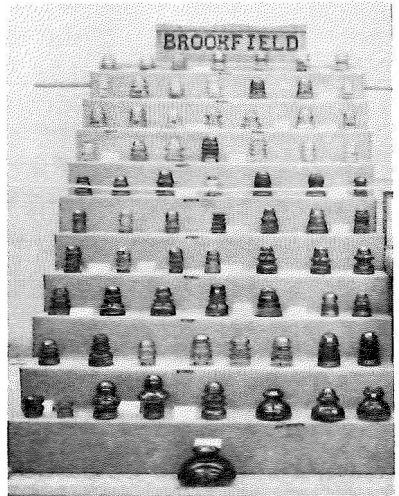
OBX ribbon for Best Showmanship went to Jim Bridges



CROSS ARMS 1st place in rarity group went to Bob Pierce.



Crown Jewels Grand Prize went to Grant Barnes.



CROSS ARMS 2nd place went to Wm. Brookfield.

Capitol District Insulator Club Show.

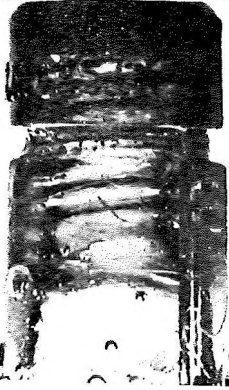


left: A black glass threadless, no name, no CD number from Graham Barnes of Painted Post, NY.
right: a No. 4 Cable, embossed N. E. G. M. CO. , no side groove. This piece belongs to Mrs. Edna McDonald of Woodside, VT.



These two different wide groove, no name, aqua signals are unlisted CD's. They belong to Kerry Lavendoski of Brasher Falls, NY. The one on the right is definitely an "American" including the plunger marks.

CLASSIFIED ADS



"THE GLASS INSULATOR - A COMPREHENSIVE REFERENCE" by Gary Cranfill and Greg A. Kareofelas.

A comprehensive 144 page book plus a price indicator. 600 insulators beautifully photographed. 1200 insulators described and priced with historical information. A must for the beginner or advanced collector. **\$6.00 ppd.**

GARY CRANFILL

5536 Keoncrest #2, Sacramento, California 95841

(SEND FOR A SAMPLE PAGE)

CHRISTMAS SPECIAL! Porcelain Insulator Guide Book for Collectors, by Jack H. Tod, and Supplements A and B. Save! All three books (regularly \$13.90) for only \$11.90 plus 48¢ shipping cost. Autographed. Order early for assured delivery by Christmas. Special offer void after Dec. 25th. Add \$2.08 per order for airmail delivery (excess refunded). Jack H. Tod (CA), 3427 N. 47th Place, Phoenix, AZ 85018

Woodward's "Glass Insulator Book", history and C.D. numbers-\$4.85. MILHOLLAND'S "MOST ABOUT GLASS INSULATORS"-\$10.00 with 1974 Price list \$11.50. Knowles 1902 and Locke 1907 catalog reprints, pair-\$5.00. Tod's PORCELAIN INSULATOR BOOK-\$10.00. Supplements A and B, \$1.95 each. KAREOFELAS and CRANFILL'S "GLASS INSULATOR COMPREHINSIVE REFERENCE" and Price Book"-\$6.00. Peters Books, 1240 West Kearney Blvd., Fresno, CA 93706. 12

FIRST SOUTHWEST OHIO

INSULATOR, LIGHTNING ROD & BOTTLE SHOW & SALE

January 25-26, 1975

GLENESTE HIGH SCHOOL CAFATORIUM CINCINNATI, O 45245
4342 Gleneste-Withamsville Rd.

Ample parking, camping, motels, food on premises, security guard

FREE ADMISSION

Ribbons and Awards given - adults division
Ribbons - teenage division (must own their compe-
titive entry) 17 yrs. or under

Dealer set up -- 6 to 8 P.M. Friday

W. Cler. Sch. Dist., Gleneste P. T. O., O. Valley Insulator Club will
not be responsible for fire, theft, etc., or loss or damage of property
or limb.

Easy access of I-275 and major highways of Cincinnati area, Map
provided with information on motel or camping and your reservation.

Show Hostess: and Mesdames Hyre & Glover
Glen Drummond, Jerry Turner,
V. Hyrne, Host.

Information: Mrs. W. Glover (Ph 513-752-3025 or
Gleneste P. T. O. 752-6664)
4260 Larma Lane,
Cincinnati, Ohio 45245

75 tables

\$10 for members
\$11 for non-members per 6'tab., 2 days

Display space available
reservations needed by -
1-12-75

FOR SALE: CD 742 M. T. Co., aqua, VNM, \$175.00;
 CD 740 Foster Bros., Blackglass, VNM, \$400.00;
 CD 740 no embossing, aqua, chip on bottom, \$150.00;
 CD 728 no embossing, aqua, crack on crown, \$75.00;
 CD 321 Knowles, dated, aqua, NM \$12.00; CD 297
 Locke, 3 dates, aqua, chips, \$12.00; CD 295 Hemin-
 gray No. 4, dated, aqua, chips, \$12.00; CD 202 Lock
 Locke, dated, aqua, chips, \$8.00; CD 202 K, aqua,
 chips, \$8.00; CD 164 No. 38-20, aqua, NM, \$2.00;
 CD 164 Gayner 38-20, aqua, NM \$4.00; CD 164 Lynch-
 burg No. 38, aqua, chips, \$3.00; CD 162 Gayner
 No. 36-190, aqua, NM, \$3.00; CD 145-B-, emerald
 green, NM, \$2.00, CD 145 Am. Ins. Co., aqua, NM,
 \$8.00; CD 143 Dwight, aqua, NM \$3.50; CD 143 G. N.
 G. N. W., aqua, NM, \$10.00; CD 127 Brookfield, dated,
 NM, \$4.00; CD 126 Brookfield, aqua, dated, NM
 \$4.00; CD 104 New Eng Tel, aqua, chips, \$1.50.
 Postage extra. Russell Collins, RFD 1, Box 558
 Yarmouth, Maine. 04096. 11

CD 154	Maydwell, light purple	M	\$7.00
CD 121	McLaughlin, black emerald	M	7.00
CD 121	California, purple	M	14.00
CD 122	McLaughlin, lime green	M	6.00

Will buy collections glass or porcelain

DEE WILLETT
 1930 Lucky St.
 Bakersfield, Calif. 93307

New list of colorful, good quality glass insulators.
 Send S. A. S. E. for free copy to: Mrs. Wes Gordon,
 3269 No. Mt. View Dr., San Diego, CA 92116.

G. V. B. C. A. 6th Annual Show and Sale, April 26-27, 1975. Info: Dick Bowman, 1253 LaBaron Circle, Webster, NY 14580. (716) 872-4015. 12

Prices are going up; mine are going down. I have the beautiful carnival glass rainbow colored 10" Pyrex (Sombros) metal removed, mint, dark color, reg. \$20 ppd. now \$12 ppd; 5 for \$50 ppd. Med. color, reg. \$12 ppd. now \$10 ppd; 5 for \$40 ppd. Light color \$8 each, 5 for \$30 ppd. Send large S. A. S. E. for 3 page list for sale or trade. Ed Sellberg, 2918 Neals Lane, Vancouver, WA 98661. 12cb

NEW LIST. Over 250 items in all price ranges. Threadless, Bostons, Chicago, Shape, Color. Good glass fairly priced. Large SASE for list. Dick Bowman, 1253 La Baron Circle, Webster, NY 14580. (716) 872-4015 12

CD

145	Yellow N. N. fat style beehives	\$8
102	S. F. aqua \$3, yellow green	6
121	McLaughlin, black emerald green	7
122	McLaughlin, snowy, lime green	7
121	California, purple	14
781	Isorex, green, sm. gingerbreadkman	15

For Trade, or sale U-927C White dated Imperial \$35 or trade for other Imperials, F. M. Lockes or other good porcelains.

Dee Willett, 1930 Lucky St., Bakersfield, CA 93307 805-327-8275. 12

LIST #19 just out. Many common to rare items. Send large SASE for list. Brad & Nancy Cook, 507 Ridge Rd. Lansing, NY 14882. 12

CD

158.2	Dome embossed Boston-green- minor damage	\$475.00
740	No Name amber threadless-1/2" dia. skirt flake	250.00
245	T-H 9200 VNM	85.00
252	M & E Co. beautiful green - Mint	60.00
293	Fred M. Locke - few sm. chips	60.00
157.5	Standard - mint- except for tiny ding	80.00
102	So. Mass. Tel. Co. minor base chips	55.00
143	Horizontal Ridges - SCA - some flaking	80.00
134	Pettigell Andrews - mint	75.00
143	Great Northwestern Telegraph Co. - mint	40.00
156.1	No name - Pat. Sep 13, 1881 - VNM	25.00
156.1	Two Date American VNM	25.00
151	H. G. Co. peacock blue - one sm skirt bruise	65.00
162	F ⁺ W. E. Co. with cross VNM	23.00
131.4	L. G. T. & Co. one inch base chip	40.00
134	Fall River Police Signal-flat one inch base chip	39.00
116	July 1st 1882 Pat. applied for/Pat Dec 19, 1871 NM	30.00
112	New Eng. Tel Mint \$60 VNM \$40	
117	Ampersand VNM	18.00
143	Montreal Telegraph Co. sky blue VNM	25.00
143	Montreal Telegraph Co. green	45.00
120	C. E. W. light blue mint	45.00
112.4	Vertical Bar- olive green - mint	40.00
145	H. B. R. VNM	30.00
145	EDR VNM	25.00
272	No Name - greenish aqua - mint	15.00
	Hickock's Patent 1859 - green-mint	20.00
	Spratt's Patent 1858 - green-top chipped	12.00
	Otis "Patented Aug 26 1851"-SCA no metal	20.00
	Mt. Washington Rams Horn - green glass	14.00
	New Castle Commemorative-apple green	10.00
230.2	Armstrong 51-C1A-red-amber-mint	15.00
126	Brookfield 55 Fulton-3 pat dates-strong emb.	10.00

Postage extra (excess refunded). Orders over \$50, postage paid.

DOUG MacGILLVARY, 51 AVONDALE RD., MANCHESTER CT 06040

SPECIALITY COLLECTOR

WANTS HEMINGRAY 9 , CD 106

Besides price and condition, in reply, be specific as to the following:

Color

Wording and arrangement of embossing

Shape and number of drips

Dome side

Skirt length.

Charles Angevine, 41 Circle Dr., Windsor Locks, CT 06096

Westinghouse No. 2 (CD 162) Chipped inner skirt, stress crack, light green. Very very nice. CD 168 Hemingray D 510 opalescent type milk glass. Has cracks, also nice. Cash offer preferred, but will consider trade for threadless or quantity of quality lesser glass on either. I also have CD 154 Hemingray 42 carnival glass and others. Send 2 stamps on SAE for large list of insulators at reduced prices from \$3.50 up. W. Chase, 1870 Elizabeth Ln., Aurora, IL 60505. Ph. 312-851-3813. 12

Milkglass \$5. Postage. Stamped envelope for list. Jumbo, Brookfield CD 225, peacock N. A. T. Co., Hemingray 108 spool, etc. Common-rare. Phil Balkan, 5860 Tobias Ave., Van Nuys, CA 91411.

OPEN FOR BIDS: An selling one CD 181 No Name "Pluto", very pretty aqua. Two small inner skirt chips, one very insignificant, the other fingernail size. Displays mint. Bids will close Jan. 31st, 1975. Only highest bid will be acknowledged by letter. Adress bids to: Bill Reid, 2815 N. 15th St., Coeur d'Alene, Idaho 83814.

CD

157.5	National M blue(tiny bubble burst in base)	\$40.00	
102	So. Mass. Tel Co. clear, smooth base M	50.00	
110	Brookfield, Oct. 8, 1907 (tiny base chip) deep green	70.00	
134	Fall River Police Signal. V. N. M. aqua	50.00	
149	No Name "bullet" M. green	20.00	
449	No Name "bullet"(larger) N. M. aqua	15.00	
285	No Name 4"Edison"(minor bs. chips) aq.	25.00	
178	Santa Ana N. M. aqua	10.00	
134	G. E. aqua N. M. \$5.00	M	10.00
234	Pyrex carnival (vivid)	M	9.00
235	Pyrex carnival 662	M	9.00
133	Brookfield 20 olive green	M	6.00
133	T-H. E. aqua	M	10.00
241	Hemingray 23 D. P. amber N. M.		14.00
CUTTER PORCELAIN TREE INSULATOR--			
	w/brkt.	M	25.00
Phil Harding, George St., Mendon, MA 01756.			1

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614-17 Ave. S. W. Calgary, Alta, Canada

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Will trade but remember we're a store and have to be able to make a profit. We don't mind quantity's of the same insulator. SEND LIST OF TRADERS--WILL POST IN STORE.

Have a few strain insulators (Calif. egg, CD 1130) Very near mint \$95.00, good \$50.00 cash. Also CD 166 (Calif. A-011) smoke mint \$5.00. Add postage. Neil Hardcastle, Box 1120, Wickenburg, Arizona 85358.

"COLLECTIBLE PORCELAIN INSULATORS"
 "SECOND EDITION" \$6.00 pp
 "COLLECTIBLE PORCELAIN INSULATORS"
 "SUPPLEMENT" \$2.50 pp
 Order From
 Gerald Brown Two Buttes, Co. 81084
 COMING--UNIQUE COLLECTIBLE INSULATORS

CD 102	B. T. Co. of CAN.	Royal Purple	Mint	\$6.50
CD 102	No Name	Canadian Pony Royal Purple	Mint	6.00
CD 102		Canadian Pony Blackglass	Mint	2.00
CD 143	Canadian Pacific Ry. Co.	Royal Purple	Mint	9.50
CD 143	Canadian Pacific Ry. Co.	Aqua, Blue Aqua, Green	Mint	3.00
CD 121	Canada	Royal Purple	Mint	10.00
CD 781	French "Gingerbread Man"	Dark or Lite Green	VVNM	12.00
	---About 4 different embossings in the above			
CD 102	Canadian Pony	Beautiful 7-UP Green	Mint	6.00
CD 102	Canadian Pony	Various shades of Aqua	Mint	1.50
CD 145	G. N. W. Tel. Co.	Aqua	Mint	4.00
CD 252	Knowles "Prism"	No. 2 Cable w/date Aqua	VVNM	14.00
CD 154	Dominion 42	Beautiful Red Amber	Mint	15.00
190/191	Hemingray 50	Clear	Mint	4.00
CD 121	Canada	Various shades of Aqua	Mint	4.50
CD 143	Canadian Pacific Ry	(embossed on raised plate) Aqua	Mint	4.00

Add postage and insurance on above \$1.00 first insulator, 25¢ each additional. Orders over \$50.00 shipped postpaid. I would trade quantities of these for better insulators. Full return privileges on any insulator if not satisfied. Write for list of others for sale or trade. I have Cutter, Columbia, Cobalts, Corkscrews, Jumbo, etc.

Eric Pierce, Rt. 2, Box 104, Yorkville, Ill. 60560 (312) 553-6410.

6. In order to keep CROSS ARMS up to date we would like all reports on shows and swaps sent in no later than 45 days after the show has taken place.

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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

\$.05 per word (minimum \$1.00). The closing date for material will be the 15th of the month preceding the month of the issue.

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

CROSS ARMS encourages want ads that list the value of the insulators advertized so any ad listing 10 or more insulators with prices will receive an additional one month's free exposure.

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