



ATCA
P.O. Box 1252
McPherson, KS 67460

Chartered
1971

AN INTERNATIONAL
ORGANIZATION ASSOCIATED
WITH THE MUSEUM OF
INDEPENDENT TELEPHONY OF
ABILENE, KANSAS

Official ATCA Web Page: <http://www.atcaonline.com>

VOLUME 38, NUMBER 9

NEWSLETTER

September 2008

ATCA Website Password

What can you find by going to atcaonline.com? The *Members Only* section has a color version of our newsletter with extra pages that are not found on the printed version. In addition, a current membership directory which includes known email addresses can be downloaded as a microsoft excel file. When entering the *Members Only* section, you will be asked for either a login or user name depending on which internet system you are using and then a password. The login/username is atca in lower case.

The September password will be **northeastshow**

Latest new member

Gregg Mele, 4375
2222 Detroit Road Unit #1112
Cleveland, Ohio, 44113
216.702.2274



SIXTH ANNUAL

Northern California TELEPHONE COLLECTOR
Show

Saint Francis Episcopal Church
1205 Pine Ave., San Jose, CA 95125

Saturday, November 8, 2008
8 AM to 1 PM, ADMISSION \$2 per person

Table Rentals: \$10.00 ea.

Send check to: Gary Goff

3805 Spurr Cir., Brea, CA 92823

(714)528-3561 (Gary) (408)377-5864 (Hal)

Simple Directions: Use Yahoo Maps or other internet based map service. The church is located in the vicinity of Hamilton East, past Bascom and Meridian.

Hamilton East becomes Pine after crossing Meridian.

Cell Phone Contact day of show: (714) 928-6352

THERE WILL BE A SILENT AUCTION AT 11:30AM. Bring any and all items that you want to donate for the benefit of the two telephone clubs. You may also use the auction for your own benefit.

Coffee and donuts provided. Donations appreciated.

NORTHEAST REGIONAL PHONE SHOW

The Northeast Regional Show - Enfield,
Connecticut

Friday-Saturday, October 17-18, 2008

Crown Plaza - Enfield

1 Bright Meadow Boulevard

Enfield, Connecticut 06082

Phone - (860) 741-2211

Go to <http://www.cpenfield.com/> for more hotel information

For Further Information, Please call

Bill Provencher at (802) 476-7189

Address change?? Send it to: ATCA, P O Box 1252, McPherson, KS 67460

Send all ads to: ATCA, PO Box 910, New Castle, IN 47362 Email ads to j.huckeby@comcast.net

*Antique Telephone
Collectors Association
Since 1971*

Board Chairman

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mvitel@verizon.net
Levittown, NY
516-735-9765

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Signs of the Past by Mark Redmond



Remember the story about the big fish that got away. Well here is the big sign that did not get away. All 89 by 19 inches of this monster porcelain beauty is now part of my collection. Why would any one want a sign this big? It is too big to hide from my wife and that is why I am keeping it at my office. Besides you might remember from one of my first articles she let me hang another big sign in my basement. Little does she know I am the owner of 6 big signs, 5 of which she has never seen. I guess when I die she will be in for a big surprise. But I digress. This sign was shipped to me all the way from California, so there must be something special about it for me to pay the postage.

You know what they say, the bigger the sign the smaller the collection. Well that is not always true. Since I have so many signs, I am sure there are a few I have forgotten about. This is one of the few large Bell signs that I have seen that is still in the copper frame. Most of these big signs were pulled off of buildings. In most cases they would have a lot of nails holding them to the wall. When they were removed it was a lot of work to get them down in the frame. It was much easier to bend the frame and slide the sign out. At least that is what I have been told. So it is unusual to still be in the copper frame. That is a big plus. It also has the Local and Long Distance bells. This is very rare to see this on the bigger signs. I have only seen 4 big signs with the *L* and *L* Bells and I own three of them. Finally, it is a booth sign. That also is something you do not see every day.

So I am a happy camper. I only have one problem. It is too big to fit in my car. So if you have a big SUV drop me a line. I may be needing some help moving it next week. My wife coming over to my office. Maybe I can put a lamp shade on it..

Happy Hunting .. Mark ATCA #875....Also hats off to Ron Knappen for his new book. It is a great work on the History of the Payphone that also has a section on signs plus lots of other great information.. It is well worth the price..

NEW MEMBERS

:Rich Prohaska, 4370
351 Pacific Oaks Rd.
Goleta, CA 93117
805-450-1598

John Warner, 4371/09
35W290 Boncosky Rd
Dundee IL 60118
847-309-4640

Garry Brooks, 4372
P.O. Box 9021
21545 Jobs Peak Road
Cedarpines Park, CA 92322
(909) 338-7301

Grant Housley, 4373
32 Cathedral Pines
Barrie Ontario, Canada L4M4Y8
705-835-0467

Greg Stewart, 4374
12849 James Crescent
Tecumseh Ontario N8N-3M7
Canada
(519) 979-4484

CHANGES

Fred Standiford
8820 Walther Blvd, Apt 4003
Baltimore, MD 21234
410-665-2272

ATCA SHOW 2010... Farmstead Inn Shipshewana, IN... Aug. 6 & 7



John Huckeby, #587
2440 W. CR. 150 N.
New Castle, IN 47362
765-686-0189

j.huckeby@comcast.net
FOR SALE

Western Union porcelain sign, one chip as in photo, \$375... Illinois Bell Telephone Co Public Telephone with arrow, \$350... New York Tele-

pany brass sign off of a building, \$275... Telephone Pay Station L & L, \$400... American T & T flange, \$275... Illinois Bell flange, \$275... Public Telephone flange, \$95. The flange signs are about 18 X 18. The brass sign is about 16 X 20. The Western Union is about 26 wide.



John Huckeby, #587
2440 W. CR. 150 N.
New Castle, IN 47362
765-686-0189
j.huckeby@comcast.net

FOR SALE

One nice telephone cabinet. Drop left front. \$475... Ivory 302, no cracks, needs polishing, \$165...Ivory AE 40, no cracks, needs polishing, \$450...Strowger small wall phone, complete, wood does not need refinishing, \$750... 4H Western Electric dial, \$45... Stromberg Carlson receiver, \$40... original red bakelite AE mouthpiece, \$300...

Property of American Bell Tel Co 146 receiver, \$150... Strowger steer horn hook, \$75...Gold Electrode American Electric Tel transmitter, \$95...The Wesco Supply beveled transmitter, \$40...Wesco Supply brass name plate, \$15...20B perch, hook, and terminal shaft, \$95...Stromberg Carlson hook and contacts that go in a triplet, \$35... Sampson glass battery with marked insert, \$75...Stromberg Carlson cast iron triplet with plug in small transmitter, \$100...

Scotty Poling shares two finds and finishing skills



A Central World's Fair Special Edition made to commemorate the 1904 Worlds Fair. Wood rubbed down with Howard's oak. Nickel plating cleaned with CLR. Transmitter mount powder coated. Sharon and I are just having fun, I think. A special thanks to Tom Adams for the help acquiring the correct transmitter.

At right is a Columbia fiddleback that still needs the top carving.

KANSAS REGIONAL PHONE & INSULATOR SHOW

Salina, Kansas

October 3-4, 2008 Set-up is Friday night; show on Saturday

**Bicentennial Center
800 The Midway
Salina, Kansas 67401**

There are many hotels in the area to stay.

If there are any questions please feel free to contact:

**Jerry Williams
104 N. Chicago
Salina, Kansas 67401-2534
(785) 825-0578**

Email: jrwllm@sbcglobal.net jrwllm@sbcglobal.net

GARY MCKAY
247 Hodgson Dr.
New Market, Ontario
L3Y 1E3, Canada

WANTED:

SMALL LOWER GEAR FOR EIFFEL
TOWER SKELETAL PHONE Call Gary
McKay @ 905-898-3999, Canada or Email
me @ buyanyphone2003@yahoo.ca

MARTIN EDWARDS
Route 2, Box 183
Rushville, IL 62681
217-322-6313

WANTED:

SC shell for older brass bottom receiver. The
one with the flat ridge around the bottom of
the shell

TOM ADAMS
7709 Fairlake Drive
Wake Forest, NC 27587
919-761-8784

WANTED

□ Does anyone have or know of anyone
that has any info on Best Telephone Mfg
Co, Baltimore, MD? □ Especially looking
for a catalog or advertising ads showing their
phones and or parts used. I know someone
out there has a catalog but don't know who
as I have 2 pages from it in jpg format.

JOHN DRESSER
22584 Veronica Dr.
Salinas, CA 93901
831-484-1961
Wanted

I am in need of a ringer for a wood Post
& Co. telephone. The ringer has two
bars and can be viewed at the ATCA
picture place which is [http://atcaonline.com/
pictures/?id=224725650](http://atcaonline.com/pictures/?id=224725650). If you have one
available please contact me.

RON KNAPPEN
P.O. Box 70
Galesville, WI 54630
608-582-4124

FOR SALE

480 page Payphone History. The book is
divided into 3 main sections: I. The Payphone
(321 pgs), II. Booths (63 pgs) III. Signs - 810
signs (74 pages) \$25.00 + \$5.00 shipping.
Ron Knappen 608 582 4124 or order through
website: www.phonecoinc.com. Thanks
much.

MICHAEL DONOVAN
636 W. Rio San Pedro
Green Valley, Arizona 85614
520-625-1608
letaphnman@yahoo.com

FOR SALE:

□ S C brass bottom receiver. Marked The
Stromberg-Carlson Tel. Mfg. Co. Chicago
Pats. June 12, Nov 27, 94. Shell has un-
repaired crack that goes around the shell but
has not broken apart. No ear cap. \$45.00 □ S
C brass bottom receiver. Marked Stromberg
& Carlson. Pat. Jun. 12. 94. The shell is also
marked. No ear cap. \$45.00 □ S C later two
piece receiver. Shell cracked. \$35 □ S C
later two piece receiver. No cracks. Small
chips by the threads. \$35 □ W E receiver
shell and cap. Cap possible repro. It has
a large single hole in the ear cap. \$20.00
□ W E hard rubber receiver shell and cap.
Capsule type. No capsule. \$20.00 □ W E
bakelite receiver shell with in-correct cap.
\$15.00 □ W E 20 B stick. Black paint over
nickle on cap and perch. Perch has patent
dates. Cup un-marked with grommet hole.
No receiver, switch pileup, mouthpiece,
or cords. Early drop hook. Looks like
water corrosion inside transmitter. This is
a restoration project. \$90.00 □ 2 W E oak
extnsion ringer's for candlestick phone's.
Both are marked on bottom 127E. One has
black bells and other has brassed out bells.
\$20 each. □ W E nickle transmitter cup. No
markings. Has a hole on the edge. \$5.00 □
S C black transmitter. \$10.00 □ S C nickle
transmitter \$10.00 □ Kellogg brassed out
trasmmitter \$10.00 □ Kellogg early pot metal
embossed transmitter. Patd Nov 1901.
\$25.00 □ Tri State Tel \$ Tel transmitter.
Brassed out. \$20.00 □ Repro switchhook for
Gray coin collector. Needs repaired. \$15.00
□ Repro switchhook for early AE, WE, or
Gray three slot. \$15.00 □ Daniel McNulty,
IE : Dan Mac. Three slot slug deflector in
original box with instructions. \$20.00 □ W
E number 22 lock. No keys. Ptd 12-19-1922.
\$20.00 □ SC metal case 1234, chrome
plated. \$65.00 □ W E 354, black. Coiled
rubber cord. \$45.00 □ W E 1002 handset.
Good nickle and cord. Nice star mouth piece.
\$55.00 □ Northern Electric Uniphone 1
desk set. Early six sided handset. \$50.00 □
Northern Electric Uniphone 2 wall set. Early
six sided handset. Mint condition. \$75.00 □
W E rubber butt set, pencil dial. Complete.
\$15.00 □ W E rubber butt set, pencil dial.
No belt clip. like new condition. \$12.00
□ W E rubber butt set, pencil dial type

with added on larger dial. No clips on cord.
\$15.00 □ W E rubber pencil dial type butt set
with added larger dial and cord for Central
Office use. \$15.00 □ BeCo rubber butt set
with AE dial. Complete \$15.00 □ W E
aluminum case butt set. Marked 40B. Used
in Central Office. Hard to find. \$25.00 □ W
E blue plastic butt set. \$15.00 □ W E orange
plastic butt set. Like new. \$18.00 □ W E
NOS cord complete with clips for plastic butt
set's. \$10.00 □ W E Country Junction oak
wall phone. Rotary dial. Complete. \$40.00
□ A E dial. Black. No numbers or letters,
only triangles. \$10.00 □ A E bulldog with
unit. \$5.00 □ Bag of 16 amphenol modular
adaptors. \$5.00 □ W E modular 2500 white.
Faded. \$10.00 □ W E red modular 2500.
Good shape. \$15.00 □ W E blue 2500,
faded. No cords. modular \$10.00 □ W E
green 2500, hard wired, like new cords. M
cord is 23 feet long. \$20.00 □ Newer 2500
with clear case, mfg in Mississippi. \$10.00
□ W E 500 Blue, soft plastic, hardwired,
marked 1961. 7 C dial. Faded. No M cord.
\$25.00 □ W E 500, soft plastic, hardwired,
pink, marked 1966, 7 C dial, faded. No M
cord. \$25.00 □ W E 500, modular, case
painted gold. Handset and dial plate faded
from white to ivory. Dated 1977. No M
cord. \$5.00 □ W E 500, hardwired, green.
No M cord. \$20.00 □ W E 500, hardwired,
faded white, No M cord. \$15.00 □ W E 500,
modular, beige, clear M cord. \$20.00 □
W E 554, modular, beige. Base marked
1959. \$5.00 □ W E, Bell System, trimline
ivory. LED dial. Sq buttons. Nice. \$10.00
□ AT & T trimline in yellow. Combo desk
or wall base. Parts. \$5.00 □ W E 2702
princess, modular, ivory, 1982. \$15.00 □
W E 2702 princess, modular, ivory with
white cord. \$15.00 □ W E 2702 princess,
modular, beige. Has small crack on end of
case. \$15.00 □ Am Telecommunications, W
E, white candlestick. Hardwired. \$20.00
□ Early kellogg grabaphone handset for
parts. \$10.00 □ Six male and one female
four pronged jacks. \$5.00 □ W E 2012 lite
transformer for trimline and princess. \$5.00
□ Telephone Pioneer blue bell paperweight.
\$25.00 □ AT&T 1929 Telephone Almanac
\$10.00 □ AT&T 1941 Telephone Almanac
\$10.00 □ Knappens (1st Edition) This is
the older book from the eighties. Payphone
History Book. \$20.00 □ All items priced
plus shipping and insurance if requested.

JON KOLGER #561
6906 Meade Drive
Colleyville, TX 76034
(817)-329-5262
jkolger@gte.net

WANTED:

□ As always, seeking quality vintage COLORED telephones from all manufacturers, particularly Automatic Electric Monophones, round or square base, desk or wall sets. □ COLORED Western Electric 302 variants, such as those with the two-line switch on the left front corner. I am in desperate need of a blue 302 with blue plungers, dated 1941 or earlier, to complete a set. □ Always buying NEW OLD STOCK Western Electric COLORED clothcoiled cords still on their wooden dowels. □ Still seeking a BLUE North Electric desk set, or any COLORED North Electric wall set. □ Dark Blue Stromberg-Carlson 1543 as pictured on page 58 of Dooner's blue book. □ COLORED cradlephones from other manufacturers such as Stromberg-Carlson oval base, Leich, Connecticut, Kellogg Masterphone and Redbar, as well as interesting vintage COLORED foreign telephones. □ Vintage COLORED cradlephone literature such as catalogs, color charts, samples, etc... □ COLORED dial blanks for vintage Automatic Electric Monophones such as type 40, 50, etc... □ Matte gold-plated trim in good condition for vintage AE Monophones. □ Also always looking for unusual acoustic "string" telephones, particularly those with magneto-signalling and/or speaking/listening tubes. Also seeking primitive, homemade, acoustic telephones, the stranger the better. □ Wanted to buy acoustic telephone literature such as catalogs, flyers, instructions, etc... Thanks!

DAVID KUNS (4030)
P.O. Box 1852
Chino Valley, AZ. 86323
cell: 928-710-3631
home: 928-636-1588
koonzeee@yahoo.com

Check out site: www.phonemandave.net

WANTED

□ Terminals w/ round knurled nuts (2 eeded) for Burns receiver; □ Cap for Burns receiver; □ Cap for Amer Elec pony receiver; □ Cap for Swedish Amer receiver; □ Amer Elec round nuts (w/ the two small holes) used to secure trans to cup; □ Cord for Kellogg 3-piece receiver; □ Keystone switch hook (nickel) for wood wall phone; □ Keystone receiver & anything Keystone. □ (Pics of above parts provided if needed) □



MARK LEPIRE #2864
39 Colonial Way
Wet Barnstable, Mass 02668
508-362-9438

I need help to complete this WE #10 Candlestick. I am missing the Bevel-edge 7 digit transmitter and the back cup with the patent dates on the outside rim. Would prefer to have the original nickel if possible. Will purchase outright or trade. Any help is appreciated, all calls returned. Thanks.

JOHN WILEY #1116
6642 E. Vanguard St.
Mesa, AZ 85215
(480) 924-7062

FOR SALE

□ Hand Built 1953 Ford Installation Telephone truck 13" long on Tonka frame has pull out drawers and 3 ladders \$375.00 □ Dial Conversion (BSP) handbook 1930's-40's-50's \$95.00 □ W.E. number plate ring for 202/302 \$5.00 □ W.E. 211 Space saver N/D \$25.00 □ W.E. Dial \$85.00 □ B.S. #139B Test set \$10.00 □ W.E. 6017-E Key box (metal) \$15.00 □ Phoenix #5575 T-1 Test Set Flip Chart 10 Pages \$5.00 □ W.E. Dial cup w/bracket \$5.00 □ DMT-300 summary Instruction Manual \$3.00 □ W.E. 43A Dial Holder for Space saver \$5.00 □ 48v Trouble lamp Clamp-on \$15.00 □ #13 Coil \$2.00 □ W.E. #147AB 2mf Condenser \$2.00 □ W.E. #534A 1mf Condenser \$2.00 □ W.E. #149B 5mf Condenser \$2.00 □ A.E. Co. 1mf Type D-6897 \$2.00 Plus shipping.

LARRY KOLB
Larrykolb@comcast.com
703-754-3832

Still have Dial Pulse to Touch Tone converters for sale for your old rotary phones. Easy to install/plug and play. No external power required. The price is \$47.00 which includes shipping in the U.S.

GORDON RICHARDSON
P.O. Box 1770
Lapine, OR 97739
Ph. 1-541-433-2421

WANTED

□ In the Yellow Dooner book page 104 I believe the Julius Andrae stick and the upper right B-R stick are the same need the base bottom cover to complete my phone. □ Also looking for a Portland Maine phone book around 1948 to 1949 that would take in the town of Gray and Drymills Maine.

The Canadian 2008 Antique Telephone Show & Sale

Saturday, September 27, 2008,
8:00 Am - 3:00 Pm

Royal Canadian Legion, Br. 609, 1133
Queen Street East, Brampton, On
Please Join Us For A Relaxing Reception
On Fri. Sept. 26th At 7:30 Pm
In The Holiday Inn Lounge. (Cash Bar)

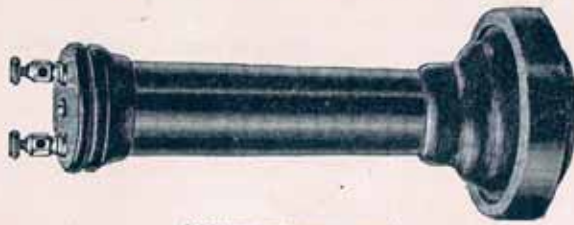
Accommodations

Holiday Inn Is Generously Offering You
A Special Rate Of \$90.00 + 10% Taxes
Holiday Inn Select,
30 Peel Centre Dr., Brampton, On
Www.Hiselect.Com/Bramptonon
Tel: 905-792-9900 Or 1-866-464-2999
Hosted By: Fred Coady, Lynda Porter &
Ben Salem

For More Information:

Contact: Fred Or Lynda - Email:
Cdnphoneshow@Hotmail.Com
PHONE: 905-459-5263

TELEPHONE RECEIVERS.



(ILLUSTRATION HALF SIZE.)

Cases made from best hard rubber, highly polished. Wound to 75 ohms resistance.

No. 1. Single Magnet, each.....\$2.25

Postage on above, 14 cents.

This is a very good and reliable instrument. Has an adjustment screw on side near the end.

No. 2. Compound Magnet, each.....\$3.00

Postage on No. 2, 18 cents.

This Receiver has very powerful magnets and when used as a transmitter or receiver gives splendid satisfaction. We cannot furnish a better receiver at any price and there are none made that will give better satisfaction.

Before leaving our works all receivers are satisfactorily tested on a two mile line. Always state length of line receiver is to be used on, so we can wind the coil the proper resistance.

Discount.....Per Cent.

TELEPHONE OUTFIT No. 1.

Price, \$8.85.



This is our cheapest outfit where a magneto bell is used for signalling. As only one telephone receiver is furnished it is necessary to use the same for receiver and transmitter alternately. It is not as convenient to carry on conversation in this manner, but owing to less resistance in the instruments, the telephone works louder than where more than one is employed.

This is the same style outfit that infringers on the Bell patent (now expired) have had so much trouble over, and is a very serviceable outfit.

The magneto bell we furnish with this is low resistance, but works nicely up to two miles.

No. 1, Pony Magneto Bell, (each).....	\$6.00
No. 1, Telephone Receiver, (each).....	2.25
Telephone Cord, (each).....	.30
Stationary Hook for Receivers, (each).....	.30

Each Station, Total Cost.....\$8.85

Discount.....per cent.

TELEPHONE OUTFIT No. 2.

Price, \$12.70.



This outfit is sold at a very low price and is first class in every respect. The transmitter furnished is a telephone receiver held in a horizontal position by a metal bracket. Very convenient to speak into and as we furnish the No. 2 instrument for the transmitter it will work on long lines. By using this set the necessity of changing the telephone alternately from ear to mouth is obviated.

PRICES.

	Each.
No. 1 Pony Magneto Bell,.....	\$6.00
No. 1 Telephone Receiver,.....	2.25
No. 2 " " ".....	3.00
Backboard, with bracket,.....	.85
Hook for receiver,.....	.30
Telephone Cord,.....	.30

Each Station, Total Cost,.....\$12.70

Discount.....Per Cent.

TELEPHONE OUTFIT No. 3.

Price, \$15.60.



Excepting our outfit which has automatic switches, this is the most complete set made. These instruments will work on lines over 100 miles long under favorable circumstances. We do not recommend them, however, for such long distances, as they give much better satisfaction on lines under ten miles in length. There are no magnetic telephones made that work better.

The transmitter has a mouth piece mounted on the door of the case. The magnets in this instrument are very powerful and so arranged that the vibrations of the diaphragm are amplified and the speaker's voice is reproduced at the distant station in a wonderfully

clear and loud tone. The magneto call bell is our regular pony and will work on lines up to ten miles long.

PRICE.

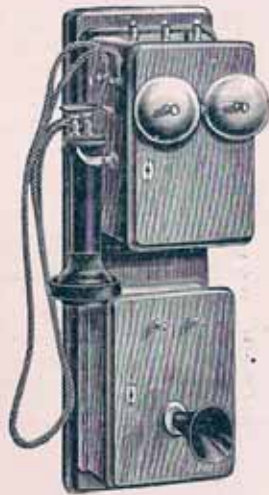
Pony Magneto Bell.....	\$7.50
Transmitter and Backboard.....	4.50
No. 2 Telephone Receiver.....	3.00
Telephone Hook.....	.30
Telephone Cord.....	.30

Each station, Total cost.....\$15.60

Discount.....per cent.

**OUR BEST
TELEPHONE OUTFIT, No. 4.**

Price \$20.80.



The transmitter furnished with this outfit is the same as used with Outfit No. 3. The magneto Call Bell is the Standard and will ring on very long lines. In the manufacture of this outfit we employ our **Automatic Switches** for which several patents have been applied for. In the top of the receiver a movable conductor is used so that when the instrument is not in an upright position the circuit is made through the coil of the receiver. When on the hook the circuits of the receiver and transmitter are broken, which not only reduces the resistance of the circuit where more than two instruments are used on a line, but absolutely prevents the coils of the telephones from being "burned-out

from lightning when not in use. The switch on the magneto Call Bell keeps the circuit of the signalling apparatus closed when the telephone is not in use. It is necessary to raise the switch when placing the telephone on the hook, consequently it will be impossible for a careless person to leave the circuit open.

We guarantee these switches are no infringement. We will protect our customers in the use of the same.

- Standard Magneto Call Bell with switch and hook.....\$10.50
- Telephone Receiver with switch..... 5.00
- Transmitter and back board..... 4.50
- Telephone Cord..... 30

Each Station, Total Cost, \$20.30

Discount Per Cent.

TELEPHONE OUTFIT No. 6.

Price \$13.60.



An Electric Bell is used for signalling with this set. The back-board has a battery box attached which will hold four cells of the Mesco Dry Battery.

Four cells will operate a bell over a line $\frac{3}{4}$ of a mile long. Two receivers are included in the outfit. Cut-outs for automatically changing the resistance of the telephones when not in use are furnished the same as in Outfit No. 5. This is a very good telephone set for private lines up to one-half mile in length. We make the resistance of our Electric Bells according to the length of line they are to be used on. When ordering

outfits please advise us the length of line and the size and kind of line wire that will be used.

PRICES:

- Electric Call Bell on back-board with battery box, signal key, telephone hooks, cut-outs and binding posts..\$5.00
- 2 Telephone Receivers, No. 2 @ \$3.00..... 6.00
- 2 Telephone Cords @ 30c..... .60
- 4 Mesco Dry Batteries @ 50c..... 2.00

Each Station, Total Cost, \$13.60

Discount Per Cent.

**OUR CHEAPEST
TELEPHONE OUTFIT, No. 5.**

Price, \$6.55.



The signal furnished with this outfit to attract attention at the distant station consists of an electric bell and several Mesco Dry Batteries. The hook is provided with a cut-out which reduces the resistance of the circuit so that the call bell will ring on a long line where a few batteries are used. A strap key is used to operate the call bell. The receiver is also used as a transmitter. No battery box is attached to the back-board, but the batteries can be placed in any convenient place near the telephone. Two battery wires are ready for connecting. Complete instructions for setting up with every Outfit.

PRICES:

- Electric Call Bell on back-board with Telephone hook and Signal Key.....\$2.50
- No. 1 Telephone Receiver..... 2.25
- Telephone Cord..... .30
- 3 Mesco Dry Batteries @ 50c..... 1.50

Each Station, Total Cost, \$6.55

Three dry batteries will ring the bell on a line 2000 ft. long.

Discount..... Per Cent.

TELEPHONE OUTFIT No. 7.

Price \$11.80.



This outfit differs from No. 6 only in substituting our transmitter for the receiver. The transmitter furnished with this set is the same as supplied with Outfit No. 3. The battery box on back-board will hold four cells of Mesco Dry Battery. The back-boards are the same style and size as those in general use where a Blake transmitter is used. Most of our outfits are arranged so that Battery Transmitters can be attached at any time at a small additional cost. The Electric Call Bell furnished with all our outfits works on a single conducting wire with earth connections at either end, or two line wires, generally termed "metallic circuit." Where the telephone line wire runs close or parallel to telegraph or electric light wires it is often necessary

to have the telephones in a metallic circuit, as this greatly reduces the "induction" which is often so great that conversation cannot be carried on.

PRICES:

- Electric Call Bell on back-board with battery box, signal key, telephone hooks, cut-outs and binding posts..\$ 4.50
- Transmitter (fastened to back-board)..... 4.00
- Telephone Receiver, No. 2..... 3.00
- Telephone Cord..... 30

Each Station, Total Cost, \$11.80

Discount..... Per Cent.

TELEPHONE OUTFIT, No. 8.

Price \$12.50.



Electric Call Bell is furnished with this set with sufficient resistance to ring on a line 2 to 5 miles in length. The number of Mesco Dry Batteries required depends on the length of line, size and kind of wire used. Eight cells will ring the bell nicely on a line two miles long. The expense in keeping the Electric Call Bell signal apparatus in good working order is very small. The batteries used for the signal can also be employed for call bells, annunciators, burglar alarms or other purposes. Some of our Dry Batteries have been in use over three years and still doing good service. The average life of this battery is a year and a half. As there is no liquid to spill, the batteries can be located in any convenient place, 100 feet from the telephone if necessary.

PRICES:

Back-board with call bells, hooks, cut-outs, signal key and binding posts.....\$3.50
 2 Telephone Receivers, No. 2 @ \$3.00..... 6.00
 6 Mesco Dry Batteries (for one mile) @ 50c..... 3.00

Each Station, Total Cost, \$12.50

Discount.....Per Cent.

MAGNETIC TELEPHONE TRANSMITTER.

No Battery Required.



(OUTSIDE.)



(INSIDE.)

These Magnetic Transmitters are made with very powerful compound magnets and will transmit articulate speech as clear and loud as the most expensive magnetic transmitters made. They are so simple in construction and the magnets held so rigid that they will not easily get out of adjustment in shipment. Should the adjustment become impaired, the instructions accompanying them will fully explain how to make the necessary changes. The binding posts are on the cover, and unless otherwise ordered the cover is screwed on. When these transmitters are ordered with outfits the backboard serves as a back to the transmitter box. The mouthpiece is nickel plated. If desired we will put two extra binding posts on the transmitter box to connect the telephone receiver in circuit with transmitter. No extra charge for this. The cases are made from walnut, stained cherry and ash.

PRICE.

Transmitter, each.....\$4.25

Discount.....Per Cent.

Price on this Battery has been reduced, making it the cheapest reliable open circuit battery on earth.



(CUT THREE-QUARTER SIZE.)

The Mesco Dry Battery has been on the market for a number of years and our classes any other make of "Dry Cells." They will not freeze and a warm climate does not effect them; they retain the moisture longer than any battery of equal size. As there is no internal action when not in use they will not "run down on the shelves." The internal construction is such that there is no "boiling over" or bursting of the case or seal. The voltage is 1.48 and amperage $6\frac{1}{2}$ to 10.
The "life" of the Mesco Dry Battery depends upon the use it is subjected to.—For use on Telephone Transmitters, Medical Apparatus, Railroad Signals, Call Bells, etc., it will do good service for six months to two years.

1187
DESCRIPTIVE PAMPHLET
OF
ELECTRIC . . .
. . . TELEPHONES

AND
COMPLETE PRICE LIST

FOR
Telephone Receivers,
Telephone Outfits and
Telephone Line Material.



This circular includes such instruments and material which make the most complete Telephone sets that are free from infringement and sold outright at the present time.

—OUR PRICES ARE NOMINAL.—

Manhattan Electrical Supply Company. 3

TERMS:

To parties having no account with us our terms are cash with order.

Goods sent by express C. O. D. only when express charges are guaranteed. The charge for return of money on C. O. D. consignments is always added.

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TELEPHONES ON TRIAL.

Arrangements can be made with us for sending telephones on trial for thirty days. We have a regular printed form for such consignments. No line material sent on trial. Telephone receivers can be sent by mail; postage on compound bar receivers (No. 2), 18 cents, on regular straight bar (No. 1), 14 cents each.

NOTICE.

During the life of the Bell Telephone Co's fundamental patent the Manhattan Electrical Supply Co. have sold over 20,000 Acoustic or Mechanical Telephones. Our customers have used them with varying success.

The Magneto Bells furnished with the Acoustic Telephones can be successfully operated as a signal with the electric telephone. The line wire used with the Acoustic Telephone can also be used as a conductor for the Electric Phone. Angles in the wire make no difference with the operation of the electric instruments. The line wire can be supported rigidly to glass, porcelain or any insulating material. Any kind or size of metal wire can be used. **The cost** for replacing two Acoustic Telephones with two receivers will be less than \$5.00 (see our net prices which we make to parties using our Mechanical Telephones.)

TELEPHONES.

After a lapse of 17 years the fundamental patent on Electric Telephones expired on Jan. 30th. This opens a field to public use and competition in manufacturing an Electric Telephone that is suitable for use on lines up to 25 miles in length. Up to this date the only non-infringing telephone has been the Mechanical or Acoustic Telephone, which has given satisfaction only on short, straight lines. As the rental charges have been so exorbitant for the Electric Telephone, thousands of the Acoustic Telephones have been brought into public use with more or less satisfactory results, and with much trouble to keep the line in working order.

The patents on the Electric Telephone that have recently expired, after running the full term of 17 years, apply to Magnetic Telephones only. The hand phone or receiver, employed in combination with the battery transmitter as rented by the Bell Telephone Co., is practically a Magnetic Telephone and is a complete transmitting or receiving instrument without the use of a battery. These instruments when properly made will transmit conversation over a well insulated and good conducting wire over 100 miles and the character of the speaker's voice is faithfully preserved and reproduced. The volume of sound transmitted by the Magnetic Telephone is not so great as when the battery transmitter is used, but the articulation is perfect and these instruments are a success for communicating or reproducing articulate

6 Manhattan Electrical Supply Company,

responsible and our guarantee, prices and recommendations are *bona fide*.

Knowledge of Telephonic Science is not necessary to adjust and construct the Electric Telephones which we furnish, as the instruments are carefully tested and adjusted before leaving our works and it is almost impossible to get them out of adjustment.

Instructions—We furnish complete and detailed instructions for adjusting and testing telephones, connecting call bells, constructing the line wire and putting the instruments into successful operation, by the aid of which any person of ordinary intelligence can put the telephones in as good working order as an expert electrician.

Style of Receiver which we furnish is the same as the standard instrument in general use throughout the country. The case is made from hard rubber and will not easily break. We make them in two styles—No. 1, straight bar; No. 2, compound magnets. The straight bar (No. 1 style) has an adjusting screw at the side, near the end of handle. This is a very good instrument and works nicely on all lines.



[Half Size.]

speech over lines up to 50 miles in length when properly constructed.

Selecting Telephones.—Telephones to operate successfully, must be made with powerful magnets and finely adjusted, otherwise the transmission of the human voice will be so faint as to render them practically worthless, and the public will save much time and annoyance by purchasing of responsible dealers.

Years of Experience in the manufacture and sale of Telephones gives us a practical knowledge as to the building of Electric Telephone apparatus that will operate with the most satisfactory results.

Infringements of Patents.—This Company will offer no Electric Telephones or signalling apparatus for sale that is liable to interfere with any valid patents. We have spent much time and money in the research of information from the Patent Office, and all Telephone instruments purchased of us are sold with the understanding that we will protect our customers in the use of same.

Our Responsibility.—This Company was not organized especially to market Telephones on the unsuspecting public. We have built up our present credit and secured the immense trade we now enjoy by marketing meritorious Electrical Supplies on fair margins of profit. Starting with an original investment of less than one thousand dollars, we have extended our business to its present enormity and attained a full paid capital of \$250,000. We do not boastingly speak of this—merely as an assurance to our customers that we are

36 Cortlandt Street, New York.

The No. 2 (compound magnet) receiver is the same in outside appearance as No. 1. The magnet in this instrument is very powerful and if used as a transmitter or receiver, gives splendid satisfaction.

Caution.—As nearly every rubber company in this country are now making hard rubber cases of the standard pattern, and as the case has nothing to do with the practical working of the telephone, an inspection of the inside construction and a trial as to the practical working of same should be had before purchasing. Hundreds of manufacturers are offering Electric Telephones for sale at the present time and only a few of the makers understand how to make a good working instrument.

Our Prices are arranged for a discount from the list, which reduces the cost for a complete set (two instruments) to a nominal figure. The discounts depend on the quantity ordered. Agents will do well to correspond with us as we are in a position to furnish first-class instruments at a lower price than a small producer can make them.

Battery Transmitters are more powerful than the magnetic instrument although the latter transmits articulate speech with more distinctness and the speaker's voice is more readily recognized. Owing to the present complications as to the validity of the Berliner patent we shall defer at present the manufacture or sale of Battery transmitters that have a "variable contact." It seems impossible that this patent can be sustained and thereby keep the public from using an instrument after the style of the Blake pattern, as the Blake patents

have already expired by limitation. Until a decision is reached in this case we advise our customers not to use Battery transmitters. It is our desire to furnish information to all parties interested in the telephone business, regarding this Berliner suit, and our position in the matter. Any one not having recently corresponded with us should send their address with request to keep them informed about telephone matters.

Our Transmitters are constructed with powerful compound magnets enclosed in a finely finished case about the size of a regular Blake transmitter box. This instrument is as powerful as any magnetic telephone transmitter that has been made up to the present time. It is very simple in construction and not liable to get out of adjustment. We recommend the use of this transmitter on all lines as the cost is only a trifle more than the Receiver.

Repairing Telephones of our own make will be promptly attended to at a nominal charge. All the parts for Receivers, Transmitters and Bells are interchangeable and can be promptly duplicated.

Signalling Apparatus.—The most perfect and reliable signal for attracting attention at a distant station is the Magneto bell of which we make a number of styles, or of different resistance according to the length of line they are to be used on. These bells require no battery and are recommended for use on lines over two miles in length. For lines not over two miles long, we recommend an electric vibrating call bell which can be operated by the use of one or more open circuit batteries. By adopting the electric vibrat-

re-establish the circuit of the call bell. On short lines where only two stations are connected it is not necessary to use a switch for the bells or receiver as the instruments will work very nicely without the same.

Switch For Telephone Receiver, which we furnish is entirely automatic, the telephone being in circuit only when the receiver is being used. By using our receivers with this attachment there is no danger of the fine wire in the Telephones being burned off by lighting or electric currents from other wires. We make an additional charge of \$2 each for receivers with automatic switch.

Telephone Exchanges.—The Telephone instruments which we furnish are suitable for exchanges and we will be pleased to furnish estimates for the complete paraphernalia for installing exchanges. We do no construction work of any description, consequently cannot figure on the cost of labor for putting up telephone lines. As we have customers in all parts of the United States who do construction work and are familiar with telephone exchange systems, we can, no doubt, refer to competent and reliable parties in every city that will do this work at moderate prices.

Competition.—“Competition is the life of trade” and contemplated users of telephones can rest assured that at the present time there is sufficient competition to bring the prices of telephone apparatus to their *lowest* point. We have rightly anticipated the policy to be carried out by the Bell Telephone monopoly and our prices are arranged accordingly. Our instruments are equal, if not superior to any they will sell and our prices speak for themselves.

ing call bell for signalling purposes, we are enabled to arrange automatic cut outs on our outfits, which reduces and equalizes the resistance of the instruments to a minimum, and enables the operator to carry on conversation in a much louder and clearer tone of voice than where the regular magneto call bell is employed. This system for signaling is also cheaper for short lines than the magneto bell, as will be seen by referring to our prices. We recommend our famous Mesco Dry Battery for this work, one cell of which will last for ordinary service one to three years. We are making large quantities of these batteries, consequently are in position to supply them at a nominal price. The Electric Call bell apparatus is wired up so that it will be impossible for an inexperienced person to connect it wrong if the brief but explicit instructions we furnish are carried out.

The number of batteries required depends on the length of line. For lines under half a mile in length two cells at each end will be sufficient.

Automatic Switches for automatically changing the circuits of the telephone and call bell are pretty well covered by patents held by the Bell Telephone Co., and, as that company are sending notices to the unauthorized users of such apparatus, it will not be necessary for us to warn our customers about purchasing the same from irresponsible parties.

Our Switch on the call bell while not thoroughly automatic is so arranged that a careless person can not use the telephone without cutting the call bell out of circuit and to replace the telephone receiver on the hook will necessarily

The Monopoly dare not sell telephone apparatus with their automatic switch devices or battery transmitters; to do this means competition in their established exchanges in every city. Competition in this case means immense reductions in their revenue.

Their Prices Have Been Exorbitant.—Until January 30th they have charged not less than \$6.00 a year rental for the Telephone receiver that they now sell outright for half that figure and which we offer much below their price. Their yearly income from the rental of the receiver alone has been about \$3,000,000.

Give Us Your Orders.—By so doing you increase our out-put and quantity regulates the cost in manufacturing. We will give you the benefit of such reduction; no matter what price we quote on telephones the high standard of efficiency will always be maintained.

Agents Wanted.—We want agents in every city and town in the United States to construct and maintain telephone lines. We offer the most liberal inducements in the way of low prices for our instruments and it is an opportunity that should be taken advantage of at once. Reliable, wide awake parties can have special territory allotted them. In such territory we will not sell instruments directly to users but refer all inquiries to our agents.

Magnetic Telephones can be successfully used to connect the lawyer's office with the residence; the railroad station with some public office in the village; the manufacturer can connect his residence or office with the factory; commu-

nication can be established between the merchant's store and residence; the livery stable can be reached "by wire;" the doctor can be consulted without going out of the house. Any or all parts of a factory can be connected to a "central" station and orders given directly to the foremen without leaving the office; conversation can be carried on between the workmen down in the mines and the officials at the office; coal yards are easily connected with the office, and a thousand other places can be connected so that direct communication can be established **at a nominal cost.**

An Imposition.—It is generally understood that the Bell Telephone Co., or its local representatives will put Magnetic Telephones on sale throughout the Country, and the local Telephone Company which controls the entire telephone system in this City are advertising instruments. Their advertisement reads: "Everything new and best construction." We have purchased from this Company on the strength of this advertisement several instruments, and a number of these are **second hand.** Such practices by a rich corporation will not meet with the approval of the public.

We court honest competition, but it can hardly be expected that we can manufacture first class instruments and sell as low as old repaired apparatus can be purchased. Our telephones are far superior to those we purchased of this Company, and our prices will be reasonable. For complete outfits of latest pattern, we have no fear of competition from the Bell Telephone Co. or any other concern, as there are few old instruments made up that will work as satisfactorily as the improved telephones we list.

Electrical Supplies.—In the haste to introduce electric Telephones, we must not forget to mention the fact that this company is headquarters for all electrical supplies. We have a number of specialties; our Mescro Dry Batteries can be found on sale at nearly all the Electrical supply houses in the country. It is the best and cheapest open circuit battery on earth.

"COMPETITION" TELEPHONE RECEIVERS.

We manufacture a Telephone Receiver which is known as our **Competition Receiver.** In appearance and efficiency it will compare favorably with the renovated "*bargain*" instruments which are being sold by a number of Telephone Companies.

As the prices on these Receivers are liable to fluctuate, we have omitted quotations from this list. Prices will be furnished, however, upon application.

