KDH Telephone Show
Shipshewana, IN
$15 registration, Tables - $15 ...Special consideration for display tables too! We will also have a “Switcher’s Corner” available. Send check payable to John Huckeby along with name, address, email and phone number to: John Huckeby, 2440 W. CR. 150 N., New Castle, IN 47362

Need a room? Call (260) 768-4595
Farmstead Inn. Special rate of only $69

Jerry Williams
Abilene
Telephone Show
May 6, 7, 2016
Send note with your name, phone number, email address, and physical address, and check to Jerry at:
JERRY WILLIAMS
104 N. Chicago
Salina, Kansas 67401-2534
Home 785 825-0578
Mobil 785 817-6462
jrwllm@sbcglobal.net
Registration fee is $25, spouse free
First table free, additional ones $10 each
Set up on Friday, May 6, 3-7 PM
NO SELLING OR TRADING ON MAY 6

Hello, ATCA members! I hope this new year is off to a great start for you! We will be sending out an updated member directory this summer, and so I am requesting that you please let me know of new contact information (address, e-mail, phone number) via an e-mail or phone call to the office.

I have a message for all members who receive the newsletter electronically: if you have an e-mail address change, PLEASE remember to let me know of that change at the office, even if you’ve gone into your profile on the website and changed it yourself. If I don’t know you’ve changed it, I won’t know to update your address for the group e-mail that I send out every month. Thanks so much!

Also, we’ve been experiencing some internal information technology issues that are currently being worked on, and I would like to solicit your assistance. If you would happen to hear from a member who has not received their newsletter in the past month or two, and they KNOW that they have renewed for 2016, please have them report this via e-mail or phone call to the office so I can get the situation rectified.

KRISTEN
Manhattan Electrical Supply Company
Rope Shaft Telephone
By Chuck Eby #381

The Manhattan Electrical Supply Company (MESCO) manufactured and supplied a variety of electrical supplies including telegraph and telephone equipment from the early 1890’s. The earliest reference I could find regarding a telephone was October 1894 in an Electrical World publication showing a Manhattan ringer box and espousing a spring loaded switch hook. Following the expiration of Bell’s patents on January 30, 1894, Manhattan began to supply many telephones and parts for independent use. A “rope shaft” telephone appeared in copy of the company’s 3rd edition catalog. This phone had a wooden base with a selector dial for intercom use. If you go to the ATCA newsletter archives, you will find information in the March 1986 issue on this telephone.

Many of us have seen early examples of “Manhattan” wall phones and may not have realized it. With its typical double bar maroon colored (and occasionally an early black or later silver color) magnetos and horse shoe shaped ringers they are easy to identify. Since MESCO is an early producer, we see examples in three box phones, double box, single box and compact sets as well as ringer boxes.

MESCO was located at 22 Courtlandt St, NY with factories in Jersey City, NJ. During the company’s heyday, it had three New York branches also ones in Chicago, Saint Louis, and San Francisco. The company had factories in Jersey City, N.J., St. Louis, Mo. and Ravenna, Ohio.

By March 1930, several months after the stock market crash, the Manhattan Electric Supply Company, had fallen into bankruptcy, and stockholders decided to establish a new company in which the Manhattan electric firm would be included. The new firm, American Machine and Metals, was listed on the New York Stock Exchange as AME. Today the company is AMETEK, Inc. a global manufacturer and marketer of precision instruments for the aerospace, trucking, petroleum refining, and food processing industries, as well as a major small motor producer for business machines, computers, copiers, and floor care machines.
A catalog from 1895 shows desk phones with wooden bases and two different receiver options. A catalog from 1900 shows the rope shaft with a square metal base.

Square based rope shaft with watchcase (MESCO called them “pony” in their advertisements’) receiver.

Above is a photo of the inside of the base with DC buzzer.

Looking for an “easy” way to ID a MESCO box? Look for a number 10 on the lower leading edge when the hinged door is opened.

Thanks to Tom Adams and John Huckeby for MESCO catalogs and Walt Aydelotte for identification information.
I’ve put many things off until later. “Later” is now here. This, plus requests for #150 payphones has motivated much devotion to assembling such units. They have accumulated in pieces since the 1970’s. All W.E.’s but small numbers of #182’s and similar have been sent to Levi (payphone assembler) to complete. Hopefully they will be ready to ship within March. They include at least one of each of the following 1920-1948 payphones: #150, 1920-1934, Gray’s 1920-1932, 1932-1938 and 1938-1948, and a mixture 160-182 series.

I’ve heard no objection to the notion that the 160 series is almost the rarest. In the 1990’s, much fuss was made into reproducing a 160-series bottom. Two of these were recently combined with original-styled old tops and very old cast backs to “recreate” the most genuine #160 here possible. Even strong evidence doesn’t necessarily produce proof, but I can’t get these any more exact. It isn’t likely that this product can be duplicated again here. A few collectors will tolerate some reproduction parts in order to own a rare item. If you are one who has “ordered” an old W.E. 2pc unit, please let us know. My record keeping on this is less than good. I’ll be searching my files for your names by the end of February.

All will have repro hooks, all but two w/stainless gages; coin channels will be either Gray/AE or stainless. All else is very genuine to the year. A 1951 101A might have appeared since Dennis (employee) found a 1938 dated 101A non-functional. Genuine old W.E. Mouthpieces (not repro) are used. These are not 1950’s #233 or AE’s made into older 2-pc units. All bodies had almost undeniable evidence of very old origin.

Prices will be around $675 to $850.

There will be about 5 which are seen in records as having a 182-type bottom which resembles a 168 without the script and with tops which appear to be various mid-1930. All but one have bell and gong straps. The one w/0 bell straps has factory holes for the transmitter. Records show that these could have been pre 1940. These also will have original-type old W.E. transmitters and receivers. There a few “barn-finds” at higher prices. More detailed history is freely available about these eras not in the Payphone History book.

Large accumulation of many styles of 1892-1980’s telephones, parts and related, as complete inventory. Offering single items, or/and any variety of quantity. No request too small. * Most all finished inventory including Eiffel towers for what we have invested. If you bought us entirely out all phones would probably average out at $1.00 each or less. *Parts including nearly any/very style and color of cloth cords and cordage, since 1972. large supply both old and new cords including original rattlesnake cords. * Free catalog of 85 different 1892-1982 telephones. *Entire business and operation for sale. Offerings single items, or/and any variety of quantity. No request too small. *Large accumulation of many styles of 1892-1980’s telephones, parts and related, as complete inventory. Offering single items, or/and any variety of quantity. Not too many left, so get ‘em while you can! $24.99, which includes shipping to any U.S. address.

Offers welcome.

Ron and Mary Knappen  phonecoinc@aol.com  608 582 4124  www.phonecoinc.com

1905 11-digit Strowger wall phone good condition NE receiver and repro mouthpiece. $900 US plus shipping. 11 digit Strowger candlestick plus ringer good condition. Receiver not original. $5400 US plus shipping OBO. Pictures available on request. Contact: frankroytaylor@gmail.com

Regards Roy Taylor#619

---

Alan Ahasic No. 825  28-81 Highland Ct.
FOR SALE
Refinished walnut Kellogg, 2 box. May West backboard, steer horn hook, nickel Holzer Cabot magneto, rare transmitter arm with induction coil in base,1901 beveled transmitter, and brass name tag. All original parts. Nickel is very good. $500.00
Kellogg, oak, CTPFF. Phone has “K” hook switch, nickel Holzer Cabot magneto, 1901 beveled transmitter, brass name tag. All original parts. All nickel parts have been re-nickeled. Needs refinished. $450.00
Kellogg, oak, CTPFF. Capacitor in battery compartment has a date of Feb 11, 1908. Phone has brass name tag and large Kellogg 5 bar magneto with nickel face plate. All original parts. Nickel finish on bells, hook switch, cup, transmitter, crank, and magneto face plate is very good. Finish on oak cabinet is original and good. $300.00
Original nice finish Montgomery Ward, oak, 2 box, glass front made by Chicago Telephone and Supply Co. Great nickel finish on parts. $500.00
Swedish American, oak CTPFF. All original parts. Nickel finish on bells, hook switch, cup, transmitter, and terminals is original and good. Finish on oak cabinet is original and good. Swedish American and Hercules decals are in good condition. Induction coil is missing. $300.00

---

Jon Kolger No. 561
6906 Meade Drive
Colleyville, TX  76034
(817)-329-5262
jkolger@gte.net

WANTED
Looking for unusual acoustic “string” telephones, particularly those with magnetoo signaling and/or speaking/listening tubes. Also seeking primitive homemade acoustic telephones, the stranger the better.

Also wanting to buy acoustic telephone literature, such as catalogs, flyers, instructions, etc...

What do you have?

Still looking for a BLUE North Electric 7H6 Gallion desk (or wall) telephone.

Also still looking for a BLUE Western Electric 302 with BLUE plungers dated 1941 or earlier.

WANTED
I’m looking for these W.E. items: AUTOVON Card Dialer cards, RED 680A Speakerphone transmitter, G4 handset with shoulder-rest in pink, gray, blue, turquoise or ivory, any Card Dialer or keyset in pink, 247A KTU, 259B KTU, Thanks! David Friedman, (310) 837-3089 or mommabirdie@netzero.net

For Sale
Package of 20 NOS Western Electric Card Dialer cards. Will work in all standard rotary and Touchtone Card Dialers. Not too many left, so get ‘em while you can! $24.99, which includes shipping to any U.S. address.

David Friedman, (310) 837-3089
mommabirdie@netzero.net
After two long-distance moves within recent years, it’s time to downsize some of my collection, over 100 telephones that have been in storage, so other collectors can enjoy these phones as much as I have. Most are black desk and wall phones from the 1930s, 1940s, and early 1950’s; also colored desk and wall phones from the 1950’s and 1960’s. Manufacturers include WE, AE, SC, NE, North, Kellogg, Leich, Connecticut, and Erickson. All phones are clean and include handset cords, some also with mounting cords. Most can make and receive calls and have working ringers. Please email me for a list of available telephones.

Carol Larsen #1072
ka9hfa@arrl.net
clarsensd@gmail.com
505-944-6767

Lynn G Graves ATCA #372
5700 Xenon Ct.
Arvada, CO 80002-1314
303-431-1615
lggraves57@msn.com

Wanted
Broken, damaged mouthpieces and receiver caps. I am looking to purchase damaged, chipped and cracked early telephone mouthpieces, bi-polar receiver caps. I can only use them if the threads are still good. If the threads are functional I will pay two dollars each, or you send me four mouthpieces and I will send you back one repaired.

I can repair most black bakelite telephone parts.

Dave Martin
6016 Sheaff Ln
Pt. Washington, PA 19034

For Sale
Folding door for phone booth, $75
Mechanical pencil, 5” Bell of PA, attendance award with 4 bwlls in oil, $35
Brass medal, 1 1/2” round, L&LD enamel bell, bowling league 1912-13, cloth ribbon, $75

Call for several more interesting items for sale
ILLUSTRATED CATALOGUE

...AND...

PRICE LIST

MANHATTAN
ELECTRICAL
SUPPLY CO.

Manufacturers and Jobbers
Wholesale and Retail Dealers in

ELECTRICAL SUPPLIES

NEW YORK
32 CORTLANDT ST.

CHICAGO
186-188 FIFT

Factories

JERSEY CITY, N. J.
HEAD TELEPHONE.

List No.  
1446 With Single Receiver, each  
1447 With Double 

Price.  
$1.60  
2.40  

PONY TELEPHONE RECEIVER.

This telephone receiver weighs only 6 ounces. The spool is wound with silk wire to the standard resistance of 75 ohms. The binding posts will not get loose. The shell of the receiver is of cast steel and is strongly magnetized. The adjustment is rigid and will not become changed even by the greatest carelessness.

It is a perfect working telephone receiver, and one that costs ten times as much will not work better.

The Price, as well as the instrument, is small. We always make low prices on our specialties, in order to make them up in quantities.

List No.  
1448 Wound 75 ohms, each  

Price.  
$0.90  

(List full size.)

continued on page 9
Board Members
Dennis Fowler, 238.....2018
713-774-4262
dcfowler@sbcglobal.net

David Silver....2018
405-372-6915
daverosie@brightok.net

John Decker, 2684.....2016
440-888-7192
steelsupplyjohn@gmail.com

Al Ilekis, 1002.....2016
708-442-8676
ilekis@aol.com

Barry Huckeby, 3566...2017
765-749-9479
huckfamily5@att.net

Bill Baggett, 4392...2017
770-474-3935
bill76nova@bellsouth.net

President
Tom Herwer, 18…2014
360-344-3449
mox-nix@cablespeed.com

Vice President
Bill Samek... 2016
305-552-5000
samek@msn.com

Todd Stephens #477
130 Ramsey Rd.
Ashville, NC 28806

Wanted
EACO, Electric Appliance Company name tag, hole spacing 2 7/8"
Sumter wiring diagram for early double box, has 4 wires running up back board top box was taken off. Will have this phone at the April Shipshewana Show.
Need Sumter early black on silver name tag.
Need Sumter #48 receiver cap.
Need two 2 1/2” sloted nickel bells

Hope to see you at the KDK Telephone Show in Shipshewana, IN, on April 1 and 2.
STANDARD TELEPHONE RECEIVERS.

(Illustration half size.)

Cases made from best hard rubber, highly polished. Has compound bar magnets, Bobbin wound with silk covered magnet wire about 80 ohms resistance. Magnet tip nickel plated, to prevent rust. Binding posts are firmly fastened in top and will not become loosened. No better receiver of this standard pattern can be purchased at any price. We also make these receivers with electrose composition shells.

List No.  
1450 Hard Rubber Shell, each ........................................ $2.15
1451 Electrose Shell, ” .................................................. 1.40

Can be sent by mail; postage 23 cents.

DOUBLE POLE RECEIVERS.

This cut illustrates a double pole receiver which is made of the same material used in the standard receiver, but fitted with two poles. We guarantee it equal to any receiver of its kind on the market.

List No.  
1452 Hard Rubber Shell, each ........................................ $3.00
1453 Electrose Shell, ” .................................................. 2.50

DOUBLE POLE WATCH-CASE RECEIVER.

Similar to Bell Telephone pattern, Nickel Plated Case. Permanent adjustment and rigid binding posts. Weight, complete, 6½ ounces.

List No.  
1449 Wound to 75 ohms resistance ...................................... $1.50
LONG DISTANCE TRANSMITTERS.

SOLID BACK.

Never packs or gets out of order.

List No. 1459.

Plain Back.

This is our standard transmitter, furnished on all outfits having the adjustable arm (see page 39).

List No. 1458.  

List No. 1460 shows our Long Distance Transmitter.

This transmitter is used on outfit No. 1514 (see page 47). It is a first-class transmitter and does not require much space on inside of box.

List No. 1460.  

Transmitter as shown by cut .......... $2.00

1461 Transmitter with mouthpiece and nickel plated rosette .......... 2.25
LONG DISTANCE TRANSMITTERS.

List No. 1492.
Finished in Oak or Walnut.

A Perfect Transmitter must be strongly constructed and yet remain sensitive to the most delicate sound. It should minimize all side tones and counter vibrations of the transmitter case. It should operate with small battery power and also withstand a variation in current without generating the disagreeable hissing and scratching noises so prevalent in many transmitters. It should give loud and clear articulation, transmitting the natural tone and expression of the voice. It should require no device for agitating the carbon as it should be designed to prevent packing. We guarantee all of these requirements to be embodied in our transmitters.

List No. 1185.

List No. 1497.
This Transmitter is the same as No. 1495, except shorter induction coil box, and the conducting cord is concealed inside of the arm, which makes it practically a cordless arm transmitter.

List No. Without Switch and Side Binding Posts
1492 Each, $4.00
1493 " " 4.75
1495 Arm Transmitter, with induction coil " 5.00
1496 " without '' " 4.00
1497 Hollow Arm Transmitter, with induction coil " 4.50
1498 " without " 3.50
LONG DISTANCE "BRIDGING" OUTFIT.

List No. 1500.

This Long-Distance "Bridging" Telephone, equipped with solid-back long-distance transmitter, mounted on either solid arm or hollow arm, with concealed transmitter cord. Ringer coils wound to any resistance desired. Furnished in quartered oak or walnut.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500</td>
<td>€24.00</td>
</tr>
<tr>
<td>1501</td>
<td>26.00</td>
</tr>
<tr>
<td>1502</td>
<td>27.00</td>
</tr>
<tr>
<td>1503</td>
<td>28.00</td>
</tr>
</tbody>
</table>

Always give List Number when ordering.
LONG DISTANCE TELEPHONE.

List No. 1505.

New York and Chicago.

FINISHED IN WALNUT OR OAK.

This is our Ne-plus-ultra telephone outfit and we guarantee it to give perfect satisfaction. It has all the best features of up-to-date telephones. The transmitter is so constructed that the chances of getting out of adjustment is reduced to a minimum. Best imported carbon is used. No better transmitter can be purchased at any price. The up and down adjustment of the arm can be changed to suit the convenience of the speaker. Every part of this instrument is finely finished. We mount our No. 831 Magneto Bell on this outfit. We recommend this telephone for all private or exchange lines. They are made by us in large quantities and we are enabled to quote very low prices. The Battery Box will hold two cells of carbon or Leclanche Battery.

Two Mesco batteries are furnished with each outfit unless otherwise ordered.

List No. 1505 Outfit (one Station), each .................................................. $22.00
Manhattan Electrical Supply Company,

LONG DISTANCE TELEPHONE.

List No. 1508.

This outfit is equipped with our No. 825 Magneto Bell.
The Transmitter is our regular standard type.
The Double Pole Receiver is furnished.
The Battery Box is made for two cells of Mesco Dry.
We guarantee this outfit for any line up to 50 miles in length.

List No.  
1508 Outfit (one Station), each ........................................ $20.00
LONG DISTANCE TELEPHONE.
NEW MODEL.
List No. 1530.

This New Model Long Distance Telephone outfit is strictly high grade.

SERIES or BRIDGING.

It has: Number 831 Magneto; Hollow cast metal transmitter arm; Solid back carbon transmitter; Double Pole Receiver, permanent adjustment; German silver springs; Cabinet sufficiently large for two dry batteries; Self-contained hook switch. Our Guarantee.

<table>
<thead>
<tr>
<th>List No.</th>
<th>OAK or WALNUT</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1530</td>
<td>1,000 Ohm ringers, each</td>
<td>$24.00</td>
</tr>
<tr>
<td>1531</td>
<td>&quot; &quot;</td>
<td>$26.00</td>
</tr>
<tr>
<td>1532</td>
<td>&quot; &quot;</td>
<td>$27.00</td>
</tr>
<tr>
<td>1533</td>
<td>&quot; &quot;</td>
<td>$28.00</td>
</tr>
<tr>
<td>1535</td>
<td>Series Wound</td>
<td>$22.00</td>
</tr>
</tbody>
</table>

Two cells Mesco dry batteries furnished with each telephone.
Manhattan Electrical Supply Company,

CARBON TRANSMITTER TELEPHONE

List No. 1512.

This outfit will operate satisfactorily on all lines, short or long, and the transmitter will not get out of adjustment. It is well made in every particular and the wood work finely finished.

No matter what claims are made for telephone outfits made by our competitors, there are no complete outfits sold that operate better, and none made that compare with this when the price is taken into consideration.

All telephone outfits are guaranteed to work satisfactorily and will be sent on approval to responsible parties.

Two Mesco Dry Batteries are included with each outfit.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1512</td>
<td>Outfit (one Station), each</td>
<td>$17.00</td>
</tr>
</tbody>
</table>
CARBON TRANSMITTER TELEPHONES

List No. 1514.  
List No. 1515.

FINISHED IN OAK OR WALNUT.

Furnished with standard telephone receiver, or the pony pattern as preferred.

GUARANTEED, AND SENT ON APPROVAL TO RESPONSIBLE PARTIES.

The Magneto bell is our standard pattern and will operate equally well on long or short lines.

The Transmitter furnished with these outfits are the same in construction and operation as used on our expensive instruments. Works on circuits 1,000 miles long, or short private lines.

We can recommend this outfit for use on any telephone circuit.

It is reliable and compact.

Two Mesco Dry Batteries are included with each outfit.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1514</td>
<td>$16.00</td>
</tr>
<tr>
<td>1515</td>
<td>$18.00</td>
</tr>
</tbody>
</table>
Manhattan Electrical Supply Company,

STANDARD DESK TELEPHONE.

List No. 1518.

Desk set with Platinum Contacts.
Finely Nickel Plated.

This is our new style desk set for generator or battery call. In this style the induction coil is mounted in the same box with the magneto bells.

It is a very handsome instrument, fully nickeled, and furnished with standard receiver.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1518</td>
<td>Desk Set, complete, with Buzzer and Push Button on separate base</td>
<td>$16.00</td>
</tr>
<tr>
<td>1519</td>
<td>Desk Set, complete, to be used with Mageto</td>
<td>$14.00</td>
</tr>
<tr>
<td>1520</td>
<td>&quot; &quot; with Mageto</td>
<td>$20.00</td>
</tr>
</tbody>
</table>

Batteries not included in above prices.
These outfits are designed for use on desk or table; being small and portable, they can be placed in any convenient location.

The transmitter is the granular carbon form, very compact and equal in operation to any long distance telephone made. The batteries to operate transmitter can be located in any convenient place.

The Intercommunicating Desk set is made with 6, 10, 15 and 20 switch points.

Three feet of cord for Line and Battery are furnished with the instrument without extra charge. But the cord on the Switch-points is charged for extra. Induction Coil, Buzzer and Calling Key in the base. Batteries are *not* included in these figures.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1525</td>
<td>Desk Set, with 6 Points, with Pony Receiver</td>
<td>$10.00</td>
</tr>
<tr>
<td>1526</td>
<td>&quot; &quot; 10 &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; Each,</td>
<td>11.00</td>
</tr>
<tr>
<td>1527</td>
<td>&quot; &quot; 15 &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td>12.00</td>
</tr>
<tr>
<td>1528</td>
<td>&quot; &quot; 20 &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td>12.50</td>
</tr>
<tr>
<td>1536</td>
<td>&quot; &quot; 6 &quot; &quot; &quot; &quot; Double Pole Receiver</td>
<td>11.00</td>
</tr>
<tr>
<td>1537</td>
<td>158 &quot; &quot; 10 &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td>12.00</td>
</tr>
<tr>
<td>1538</td>
<td>&quot; &quot; 15 &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td>12.00</td>
</tr>
<tr>
<td></td>
<td>&quot; &quot; 20 &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td>12.50</td>
</tr>
</tbody>
</table>
PORTABLE LINE AND BUILDING TESTING SET.

The box contains generator, bell movement and two cells of dry battery. The receiver holds down a button which cuts in the battery and out the bell. The receiver cord is 18 inches long; the transmitter is stationary, but the transmitter can be attached to an 18 inch cord also if desired, and held in a clamp. We will furnish the set also with a shoulder strap for carrying if necessary. The size of the box is 8 inches long, 6 inches high and 6 inches wide.

List No. 1542 Each .............................................. $12.00

INTERIOR TELEPHONES.

List No. 1543.

Where two instruments only are used, an intercommunicating switch is not necessary.

There are many places, also, such as schools, hotels, and some factories, where all that is required is that one central be able to call up any one of the other "phones, and vice-versa, but where the different "phones are not required to call up one another. One switch, therefore, it will be seen, is all that is necessary in such cases. The others require to be but single point instruments. The illustration is a very neat design of our Single Point Telephone. It is complete with Transmitter, Receiver, Cord, 3 Dry Batteries and Bell, and is a most efficient instrument.

List No. 1543 Each .............................................. $9.00
New York and Chicago.

INTERCOMMUNICATING TELEPHONES.

List No. 1545.

Outfits No. 1545 and 1546 are interior telephones, and are coming into general use in hotels, apartments, and club houses.

The customary arrangement is to place a small telephone in each room, connected with a switch-board at the office. The board may be handled by a clerk at the office or a regularly employed operator. They can also be used on regular Inter-communicating Systems by using a separate switch.

No. 1545 is fitted with vibrating Bell and enclosed transmitter. No. 1546 has transmitter mounted inside of case. A Round Buzzer is used for signal.

Very neat and compact. Finished in Oak or Walnut.

List No.  Price.
1545 With Receiver and Cord, no Batteries, each ....... $8.00
1546 With Receiver and Cord, no Batteries, each ...... 7.00
INTERCOMMUNICATING TELEPHONES.

List No. 1547.

List No. 1548.

FINISHED IN OAK OR WALNUT.

Outfits Nos. 1547 and 1548 are made with any number of switches up to 20 Points.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Without Batteries, each</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1547</td>
<td></td>
<td>$10.00</td>
</tr>
<tr>
<td>1548</td>
<td></td>
<td>11.00</td>
</tr>
</tbody>
</table>
INTERCOMMUNICATING TELEPHONE.

List No. 1549.

FINISHED IN OAK OR WALNUT.

This outfit consists of our No. 825 Magneto Bell, Transmitter, Receiver and Cord mounted on a special backboard with Intercommunicating Switch and Battery Box.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1549</td>
<td>$20.00</td>
</tr>
</tbody>
</table>
THE "SWITCHLESS" TELEPHONE.

List No. 1550.

The principles of the mechanism employed in this apparatus have never before been used for the telephone, and do away entirely with the circular switch and studs of the ordinary interior apparatus.

Directory opposite each push.

Pushing the button calls and makes connection at one operation.

Hanging Receiver on hook releases button.

Bell is enclosed and cannot be tampered with.

Easily wired and has large cable space in back of case.

No cross talk, no misconnections.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1550</td>
<td>$17.00</td>
</tr>
<tr>
<td>1551</td>
<td>$20.00</td>
</tr>
<tr>
<td>1552</td>
<td>$23.00</td>
</tr>
<tr>
<td>1553</td>
<td>$28.00</td>
</tr>
</tbody>
</table>

Made in oak.
INTERCOMMUNICATING TELEPHONE.
List No. 1556.

FINISHED IN OAK OR WALNUT.

Any number, up to 20, of these telephones can be connected on the system. Turn switch to point corresponding with telephone desired and then press the button which gives signal.

The lever need not necessarily be returned to the home point on this instrument, as in most intercommunicating telephones, but can be left anywhere, and your station can be called, which makes the system semi-automatic.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1555</td>
<td>Without Battery, 6 Point Switch</td>
<td>$15.00</td>
</tr>
<tr>
<td>1556</td>
<td>&quot;</td>
<td>$16.00</td>
</tr>
<tr>
<td>1557</td>
<td>&quot;</td>
<td>$17.00</td>
</tr>
<tr>
<td>1558</td>
<td>&quot;</td>
<td>$17.50</td>
</tr>
</tbody>
</table>
SPECIAL APARTMENT HOUSE TELEPHONE.

List No. 1560,

FINISHED IN OAK OR WALNUT.

These Telephones are used in apartment houses in great numbers, one in each apartment connecting with No. 1556 in entrance hall as a Central.

They give fine results and are the best and cheapest telephone for this purpose on the market.

Furnished complete with solid back transmitter, Watch Case Receiver and Cord.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1560</td>
<td>$8.00</td>
</tr>
</tbody>
</table>

Without Battery, each.