

CATALOGUE NUMBER FORTY-TWO

**The
Great
Mail Order
Factory**



CHICAGO TELEPHONE SUPPLY CO.

Factory and General Offices:

**Elkhart, Indiana
U. S. A.**

NEW YORK

CHICAGO

SAN FRANCISCO

1904

#3 #30-

CATALOGUE NUMBER FORTY-TWO

Chicago Telephone Supply Company

Factory and General Offices

ELKHART, IND.
U. S. A.

Success depends upon doing things
a little better than anybody else

CHICAGO SALESROOM, 239 & 241 MADISON ST.
NEW YORK SALESROOM, 150 BROADWAY.
SAN FRANCISCO SALESROOM, 421 & 423 MONTGOMERY ST.

THE GREAT MAIL ORDER FACTORY



GUARANTEE

Material and workmanship guaranteed against inherent defects.

If any part or parts prove defective through any fault of this factory, such part or parts will be cheerfully repaired or replaced without charge, regardless of time that may have elapsed from date of purchase.

All apparatus fully warranted to give satisfaction in the work for which it is designed, when properly installed.

No risk is incurred in buying Chicago Telephones.

This factory guarantees every part as well as the complete instrument without any time limit.

In this way purchasers are protected by the Chicago Telephone Supply Co., the largest and strongest factory in the world devoted to the production of Bridging Telephones.

TERMS

Ten days net to parties having good commercial ratings or satisfactory references.

Goods sent C. O. D., by freight or express, if desired.

Prices subject to change without notice.

Care is exercised to pack all goods securely, but our responsibility ends when we receive a receipt from carrier. If goods are damaged in transit, customers must make claim for damages to railroad or express company delivering the shipment.

Write for our special price list on line material.





A FEW WORDS

Appreciation of honest effort is always welcome and it is perhaps fitting that we should at this time express our thanks for the appreciation of Chicago Telephones which has shown itself in the growth of our business during the last year. The volume of our business is more than twice as large as it was one year ago and it has been necessary to make large additions to our factory and equipment.

Chicago Bridging Telephones are making new friends for us in every part of the world, and prospective customers can always find Chicago Telephones near home which will speak for themselves. If any prospective customers will write us on the subject, we will refer them to people in their own vicinity who have used Chicago Telephones for years and know them to be the best.

A satisfied customer offers an unanswerable argument. This factory has always led in the production of telephone apparatus, and the Chicago is the standard by which other telephones are judged. Many factories are now making mistakes in construction which we discovered to be mistakes years ago. Our experience has covered the entire period since Independent Telephones were first made. Every detail in the construction of Chicago Telephones has been severely tried by the most exacting tests during years of actual service.

Every Chicago instrument and all of its parts are fully covered by a guarantee which has no time limit.

If any telephone or part proves defective through fault of this factory, such telephone or part will be repaired or replaced free of charge, without regard to date of purchase.

This guarantee applies to every Chicago Telephone and will be





just as good twenty years after a telephone is purchased as when it is new.

This factory has built its reputation on honorable goods and square dealing. Its army of satisfied customers could not be held loyal to Chicago Telephones on any other basis.

With ordinarily fair treatment a Chicago Telephone will last a lifetime and be a thing of beauty and a joy forever.

A cordial invitation is extended to all readers of this catalogue to visit our factory and see how high-grade apparatus is produced from the raw material. The parts of every telephone pass through the hands of several hundred skilled workmen before the telephone is completed and ready to test. This minute subdivision of labor brings to each particular part a skilled workman who is a specialist in his line.

Each department has an inspector who is in constant touch with the engineering department, and every individual piece or part passed by an inspector must be absolutely correct to the smallest fraction of an inch in size and to the highest degree attainable in workmanship and finish. Each completed part is thoroughly tested before it is sent to the telephone assembling department, and after the parts are assembled into a completed instrument two more most rigid examinations and tests are made for mechanical or electrical defects.

To our engineering department is due the perfection of design. To our factory system is due the absolute uniformity and faithfulness to design that characterizes the product. Any one who visits this factory will be impressed with the perfection of our system and will fully understand why all

Chicago
Telephones
Satisfy





GENERATOR CONSTRUCTION

A piece of magnet steel which has not been perfectly hardened cannot be thoroughly saturated with magnetism, nor depended upon to retain its magnetism permanently. Do not confuse the terms "bars" and "magnets." Each bar on a Chicago Bridging Generator weighs more than the bars used on any other generator. Each bar on a Chicago Bridging Generator consists of three separate and distinct magnets, as shown in illustration.

It will be seen that to insure permanency the Chicago method is reliable, whereas any other method which does not employ laminated bars is not. The facts outlined above are not based upon any new or mysterious principle. They are based upon common sense, experience, and the accepted principle of lamination.

So much space has been given to the treatment of permanent magnets because the life of a generator depends upon them.

The best and highest priced magnet steel is used, which is treated by the Chicago method to insure power and permanency.

A larger quantity of magnet steel is used on the Chicago Bridging Generator than on any other generator on the market.

The other specifications of Chicago Bridging Generators are as near perfection as the present state of the art will permit.

The laminated armature is larger than is used by competitors and consists of more than one hundred pieces, perfectly insulated and wound with more silk covered magnet wire than is used on any competing generator. The air gap between the armature and the fields is as small as possible; the cut gear is large, wide and noiseless. The automatic cut-in is of a design which has proved its worth by twenty years of continuous usage. The entire generator is self-contained and mounted in the box in such a manner that it may be removed instantly.

Chicago Bridging Generators cost more than any other.

They are not sold at a higher price.

Why?

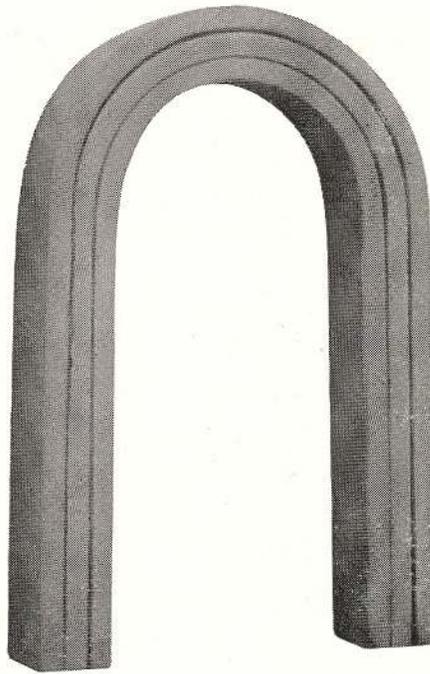
The United States mail is the only salesman for Chicago apparatus. In selling goods by mail order only, it is not necessary to add to the price of each article its proportionate part of a large expense for salesmen and travelers. The merits of Chicago Telephones are depended upon to maintain sales, and this policy has proved eminently satisfactory.





THE CHICAGO METHOD

The Generators used in Chicago Bridging Telephones are constructed on strictly scientific lines, and retain their power permanently without deterioration. The Chicago method is the most expensive, but the superior degree of excellence justifies the higher cost.



THE CHICAGO METHOD.

The Chicago method is to divide each bar into three distinct magnets, and consequently a Chicago Five-Bar Bridging Generator requires fifteen magnets. The item of labor in preparing the magnets of a Chicago Five-Bar Bridging Generator is three times as much as the same item in a five-bar bridging generator on which laminated magnets are not used. The expense of assembling a laminated magnet is also much greater. These facts will instantly appeal to any unprejudiced mind.





Although it does cost more to manufacture a generator by the Chicago method, the increased expense can only be justified by securing better results than any other method will produce. The following reasons are mentioned for that purpose. Lamination is so plainly advantageous that to mention the fact seems almost superfluous. A compound magnet will always give better results than a simple one; that is, a magnet of a given size will be much stronger and more permanent if it be made up of a number of small magnets than it will if made of one piece. That is what is meant by lamination. In dynamos of all sizes and kinds, motors and other electrical apparatus, the principle of lamination is demanded. The electrical law is constant, and therefore the same principle must be advantageous in generator construction.

Well-posted telephone men will not require argument to agree with the statement that lamination is desirable in the construction of electrical apparatus. No reputable factory makes a bridging generator which is not equipped with a laminated armature. Every manufacturer admits the advantages of lamination, but strangely and inconsistently enough, few of them apply the principle in any marked degree to magnets used on bridging generators. The reason is not far to seek. By taking advantage of modern methods and modern machinery it takes no more time and no more manual labor to make a large magnet than a small one. More power is consumed, but that item is too small to count in the cost. If a five-bar generator is made without lamination, five magnets are made.

In addition to the electrical necessity, there is a mechanical advantage in the Chicago method which would make it worth while without any other consideration. In treating magnet steel the strength and life of each magnet depends upon the manner in which it is hardened and the degree to which it is saturated with magnetism. The process of hardening is to bring the magnet to almost a white heat and then chill it instantly. The smaller the magnet the easier and more uniformly this may be done. If large magnets are used they sometimes are burned, are often not heated to the proper degree, and very seldom indeed are they chilled instantly, because the size of the magnet prevents the chilling medium from acting instantly on the center as well as the surface.





MONEY SAVED

This catalogue cannot enter into debate. Its mission is ended when you have examined its illustrations and have read the descriptions.

Behind every statement is the guarantee of the Chicago Telephone Supply Co., the largest manufacturers of bridging telephones in the world.

Chicago Telephones are sold exclusively by mail.

Every modern method for economy in making sales has been adopted.

To those who are discerning enough to see through the claims of traveling salesmen our price list offers a reward.

No expense is spared in building a Chicago Telephone, but after it is built, our policy is to have it reach the user with as little expense as possible.

Consequently we use the United States mail instead of traveling men.

We pay no rent.

We have a railroad switch to our factory door, thus rendering unnecessary a large force of teams and teamsters.

We manufacture telephones and all parts from the raw material, thus insuring the production of apparatus exactly according to the specifications of our engineering department.





CHICAGO TRANSMITTERS.

Every one has heard of the famous Chicago Solid Back Transmitter (see pages 56-57).

Its phenomenal popularity has been the most sensational event in the telephone trade during recent years.

In making this long distance solid back transmitter the resources of the world were ransacked to find the most desirable materials. For more than two years exhaustive experiments and tests were made before the first one was placed upon the market. Every dimension and every part is the result of hundreds of experiments and careful research.

Its production would be impossible in any factory without modern special equipment and unlimited resources for its engineering department.

In our advertising matter we say that this transmitter is built like a watch. This statement involves the difference between a cheap transmitter and a thoroughly high-grade instrument like the Chicago which can be depended upon under any conditions and in any climate.

Delicacy of adjustment, strength and durability are its prominent mechanical features. No instrument yet devised by human ingenuity is put to so severe a test for minute and perfect registration of vibrations as a telephone transmitter. Properly to register the human voice in all its variations of pitch, volume, shade and coloring, it is necessary to have every dimension proportioned for its work to the minutest fraction of an inch. To do this and produce transmitters in large quantities means to build each one like a watch. In Chicago Transmitters all parts are strong and large enough so that the delicate adjustments may be securely locked when once secured, and it would be practically impossible to release a single adjustment by rough usage.

This combination of exact proportions, delicate adjustment, suitable materials and mechanical strength causes the Chicago Transmitter to excel all others in the perfect reproduction of sounds as well as in durability.





CHICAGO FIVE-BAR BRIDGING TELEPHONES

These telephones are guaranteed to ring more bells than any telephone produced by other factories. They will transmit speech better and farther than any other telephone.

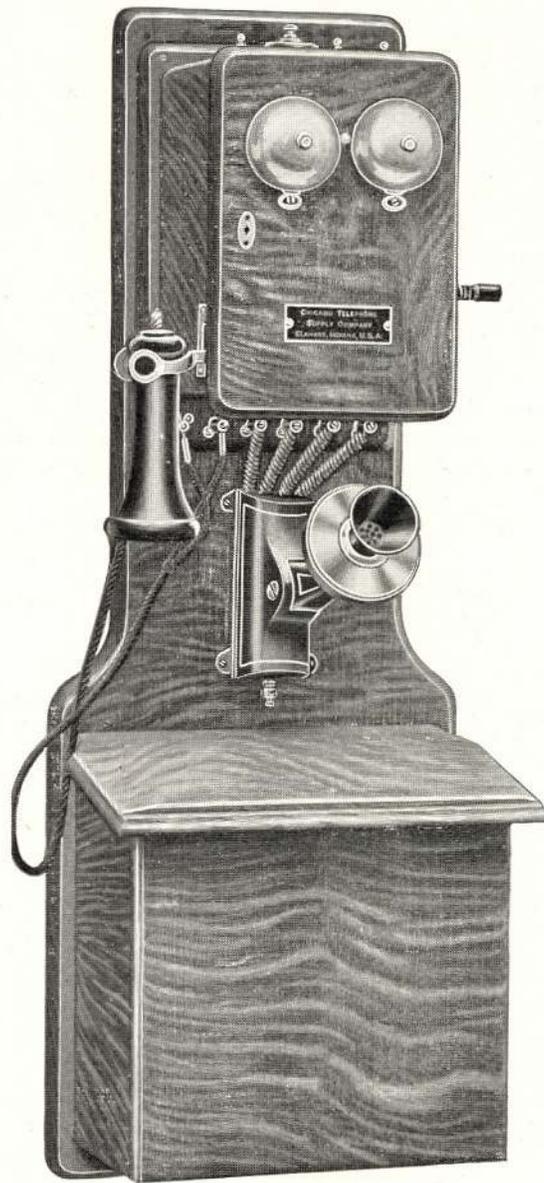
They will outlast any other telephone.

These statements are backed by the guarantee of this factory, which is as good as a government bond.





Chicago Bridging Telephone Model 17.



SPECIFICATIONS.

Five-Bar Fifteen-Magnet Bridging Generator No. 1, Cardinal Enamel. See pages 65, 5, 6, 7.

Long Pattern Bridging Ringer Movement, Cardinal Enamel. See page 67.

Long Lever Automatic Switch. See page 55.

Platinum Contacts.

Long Distance Solid Back Transmitter. See pages 56, 57, 9.

Adjustable Transmitter Arm with Concealed Cords. See page 58.

Long Distance Induction Coil.

Bi-polar Receiver and Cord. See page 54.

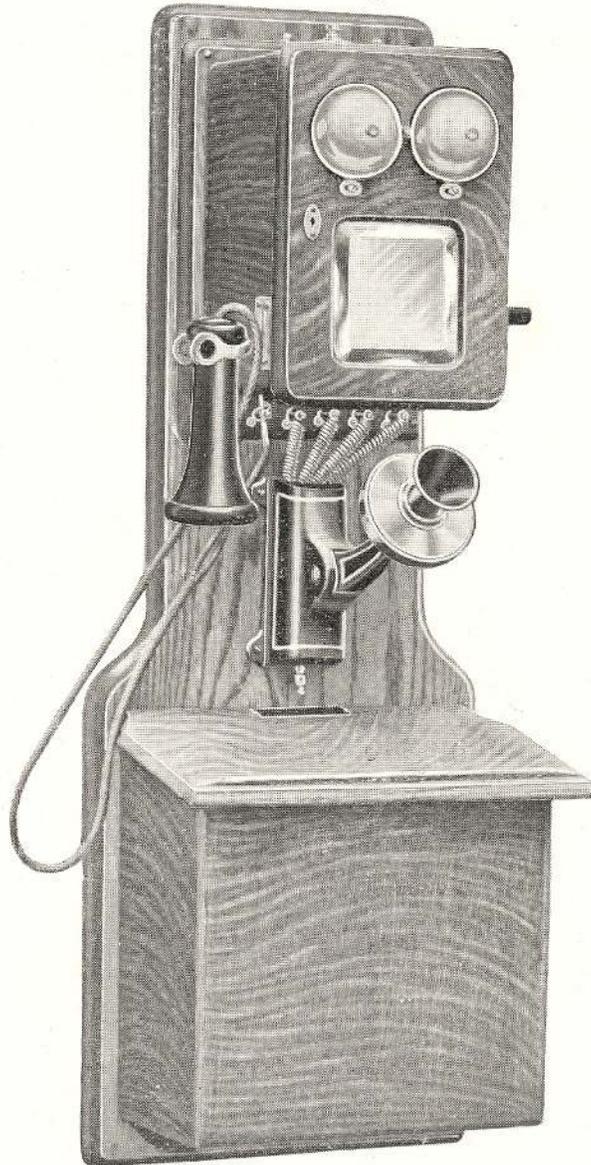
Two Cells, Dry or Liquid Battery.

Handsomely Finished Cabinet in Oak or Walnut, with Wide Battery Box.

Bi-polar Lightning Arrestor, Chicago Type.



Chicago Bridging Telephone Model 29.

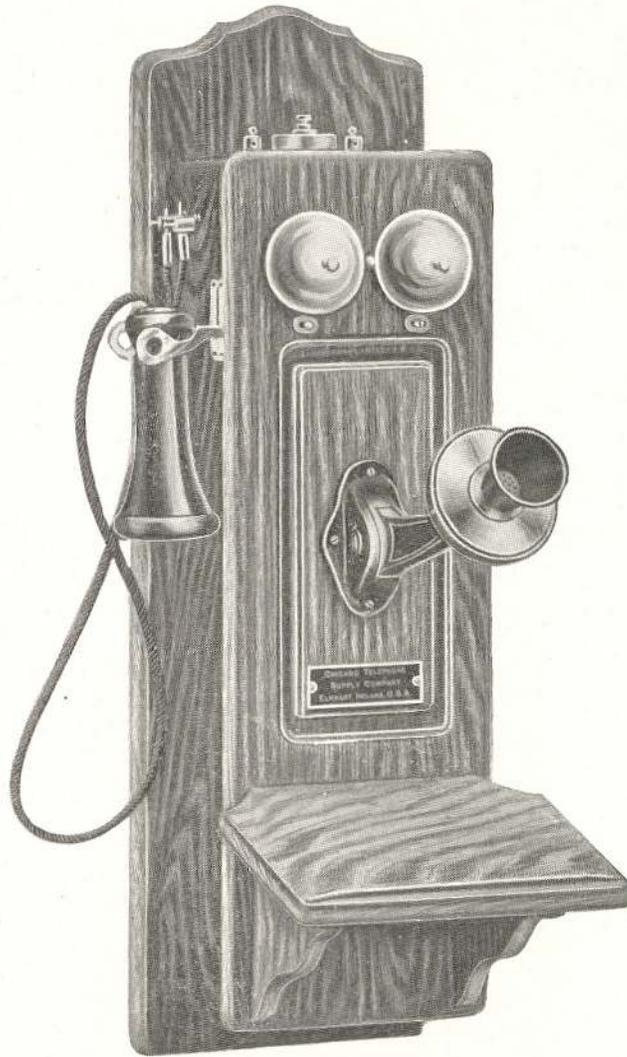


SPECIFICATIONS.

- Five-Bar Fifteen-Magnet Bridging Generator No. 1, Full Nickel Plate. See pages 65, 5, 6, 7.
- Long Pattern Ringer Bridging Movement. Full Nickel Plate. See page 67.
- Plate Glass Front to Magneto Door.
- Long Lever Automatic Switch. See page 55.
- Platinum Contacts.
- Long Distance Solid Back Transmitter. See pages 56, 57, 9.
- Adjustable Transmitter Arm with Concealed Cords. See page 58.
- Long Distance Induction Coil.
- Bi-polar Receiver and Cord. See page 54.
- Two Cells, Dry or Liquid Battery.
- Handsomely Finished Cabinet in Oak or Walnut, with Wide Battery Box.
- Bi-polar Lightning Arrestor, Chicago Type.

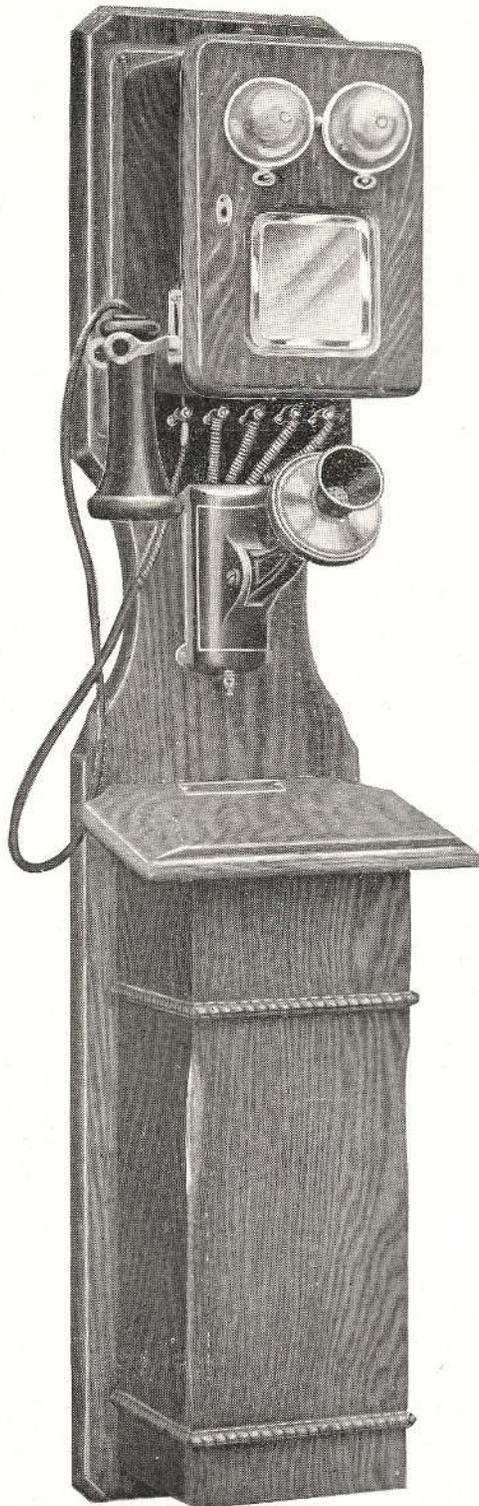
Chicago Bridging Telephone

Model 33.



SPECIFICATIONS.

- Five-Bar Fifteen-Magnet Bridging Generator No. 1, Cardinal Enamel. See pages 65, 5, 6, 7.
- Long Pattern Bridging Striker, Cardinal Enamel. See page 67.
- Long Lever Automatic Switch. See page 55.
- Platinum Contacts.
- Long Distance Solid Back Transmitter. See pages 56, 57, 9.
- Adjustable Transmitter Arm No. 4, with Concealed Cords. See page 58.
- Long Distance Induction Coil.
- Bi-polar Receiver and Cord. See page 54.
- Two Cells, Dry Battery.
- Handsomely Finished Cabinet in Oak or Walnut, Compact Type.
- Bi-polar Lightning Arrestor, Chicago Type.



Chicago Bridging Telephone

Model 31.

SPECIFICATIONS.

Five-Bar Fifteen-Magnet Bridging Generator No. 1, Full Nickel Plate. See pages 65, 5, 6, 7.

Long Pattern Bridging Ringer Movement, Full Nickel plate. See page 67.

Plate Glass Front to Magneto Door.

Long Lever Automatic Switch. See page 55.

Platinum Contacts.

Long Distance Solid Back Transmitter. See pages 56, 57, 9.

Adjustable Transmitter Arm with Concealed Cords. See page 58.

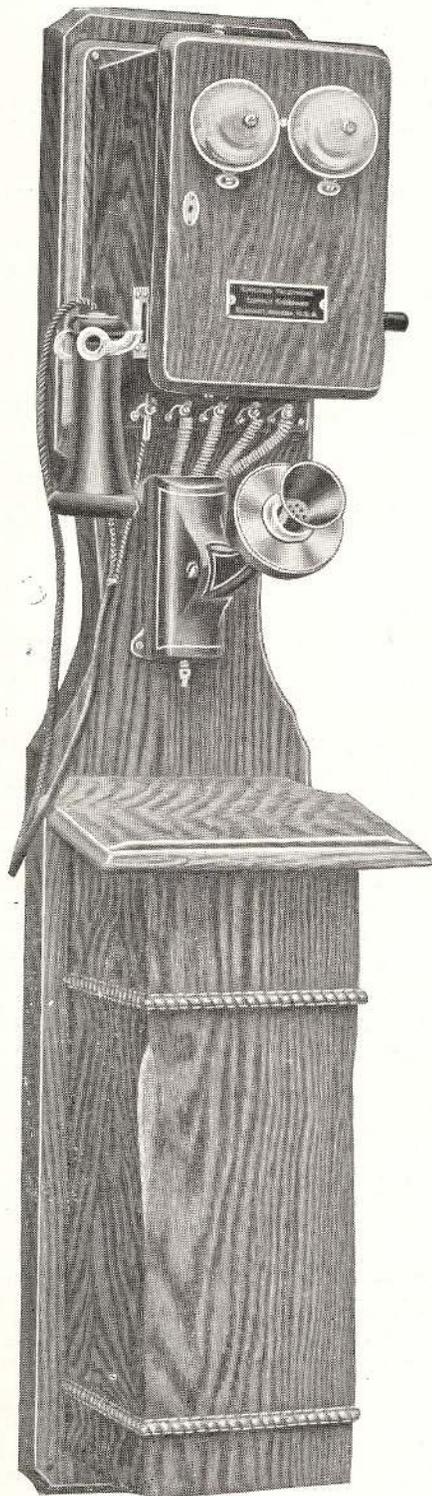
Long Distance Induction Coil.

Bi-polar Receiver and Cord. See page 54.

Two Cells, Dry or Liquid Battery.

Handsomely Finished Cabinet, Finished in Oak or Walnut, with Tandem Battery Box.

Bi-polar Lightning Arrestor, Chicago Type.



Chicago Bridging Telephone

Model 36.

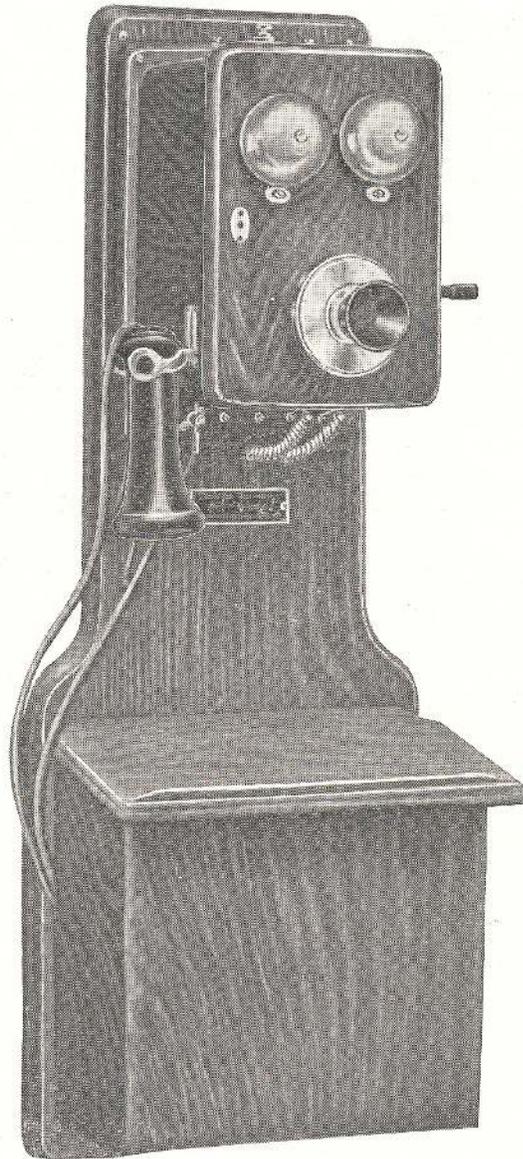
SPECIFICATIONS.

- Five-Bar Fifteen-Magnet Bridging Generator No. 1. See pages 65, 5, 6, 7.
- Long Pattern Bridging Ringer Movement. See page 67.
- Long Lever Automatic Switch. See page 55.
- Platinum Contacts.
- Long Distance Solid Back Transmitter. See pages 56, 57, 9.
- Adjustable Transmitter Arm with Concealed Cords. See page 58.
- Long Distance Induction Coil.
- Bi-polar Receiver and Cord. See page 54.
- Two Cells, Dry or Liquid Battery.
- Handsomely Finished Cabinet, in Oak or Walnut, with Tandem Battery Box.
- Bi-polar Lightning Arrestor, Chicago Type.



Chicago Bridging Telephone

Model 27.



SPECIFICATIONS.

Five-Bar Fifteen-Magnet Bridging Generator No. 1, Cardinal Enamel. See pages 65, 5, 6, 7.

Long Pattern Bridging Ringer Movement. See page 67.

Long Lever Automatic Switch. See page 55.

Platinum Contacts.

Long Distance Solid Back Transmitter. See pages 56, 57, 9.

Bi-polar Receiver and Cord. See page 54.

Long Distance Induction Coll.

Two Cells of Dry or Liquid Battery.

Handsomely Finished Cabinet in Oak or Walnut, with Wide Battery Box.

Bi-polar Lightning Arrestor, Chicago Type.



Chicago Desk Set Bridging

Model 40.



SPECIFICATIONS.

Nickel Plated Desk Stand, Cast Metal.
Five-Bar Bridging Generator, Mounted in Box. See pages 52, 65, 5, 6, 7.
Bridging Extension Bell. See page 52.
Long Distance Solid Back Transmitter. See pages 56, 57, 9.
Bi-polar Receiver with Silk Cord. See page 54.
Long Distance Induction Coil, Mounted in Cord Terminal.
Six Feet of Silk Covered Cordage.
Two Cells of Wet or Dry Battery, as desired.
Long Lever Automatic Hook.
Platinum Contacts.



CHICAGO SIX-BAR BRIDGING TELEPHONES

These Telephones are in a class by themselves and must not be considered on any competitive basis, where price will determine the sale.

No other factory makes a six-bar telephone.

Every bar of a Chicago Bridging Telephone is larger, heavier and more powerful than the bars used on any other telephone.

Chicago Six-Bar Bridging Telephones are luxuries rather than necessities. For all legitimate work on heavily loaded lines five-bar telephones will answer every purpose and give entire satisfaction.

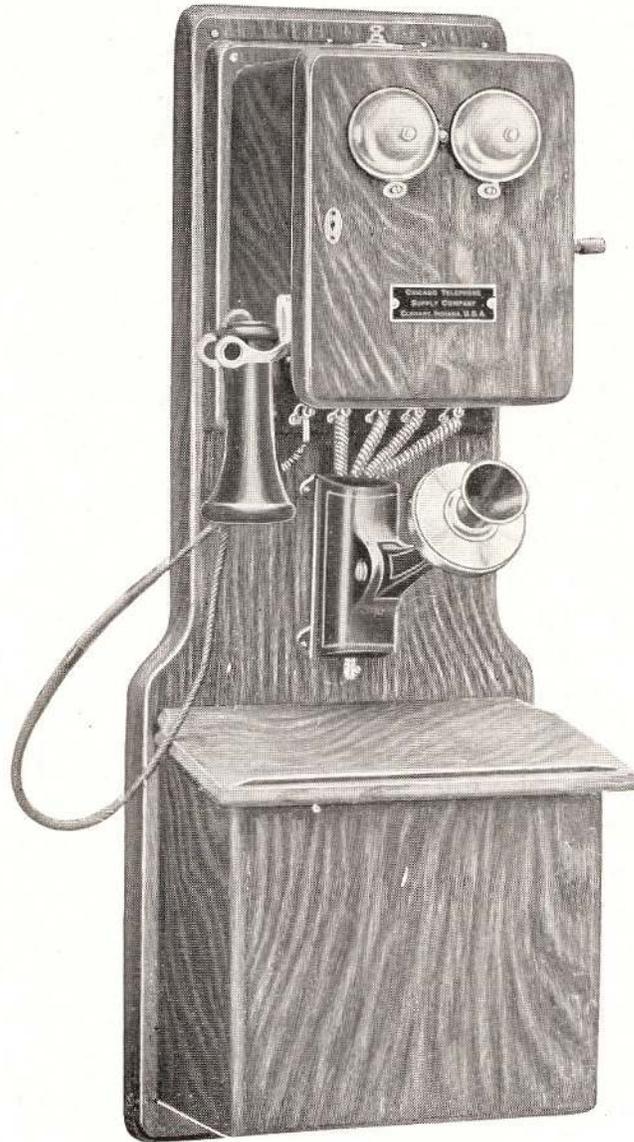
For junction points where heavily loaded lines are sometimes connected, and for those who desire the best and strongest without regard to price, Chicago Six-Bar Telephones are recommended.





Chicago Bridging Telephone

Model 25.



SPECIFICATIONS.

Six-Bar Eighteen-Magnet Bridging Generator No. 2, Cardinal Enamel. See pages 66, 5, 6, 7.

Long Pattern Bridging Ringer Movement, Cardinal Enamel. See page 67.

Long Lever Automatic Switch. See page 55.

Platinum Contacts.

Long Distance Solid Back Transmitter. See pages 56, 57, 9.

Adjustable Transmitter Arm with Concealed Cords. See page 58.

Long Distance Induction Coil.

Bi-polar Receiver and Cord. See page 54.

Two Cells, Dry or Liquid Battery.

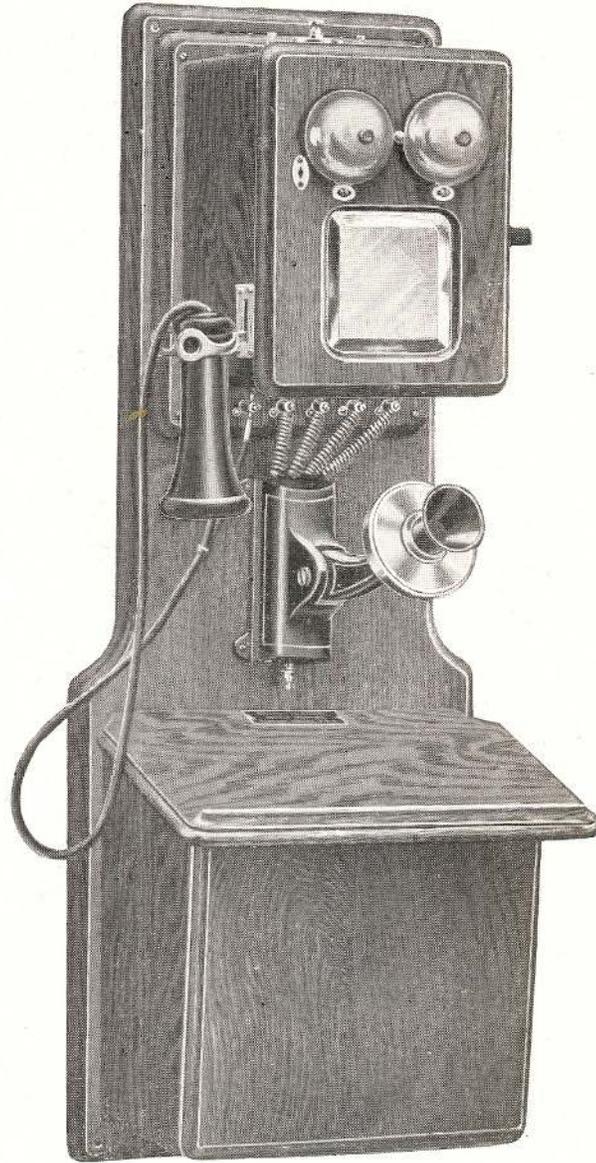
Handsomely Finished Cabinet in Oak or Walnut, with Wide Battery Box.

Bi-polar Lightning Arrestor, Chicago Type.





Chicago Bridging Telephone Model 30.



SPECIFICATIONS.

Six-Bar Eighteen-Magnet Bridging Generator No. 2, Full Nickel Plate. See pages 66, 5, 6, 7.

Long Pattern Bridging Ringer Movement. Full Nickel Plate. See page 67.

Plate Glass Front to Magneto Door.

Long Lever Automatic Switch. See page 55.

Platinum Contacts.

Long Distance Solid Back Transmitter. See pages 56, 57, 9.

Adjustable Transmitter Arm with Concealed Cords. See page 58.

Long Distance Induction Coil.

Bi-polar Receiver and Cord. See page 54.

Two Cells, Dry or Liquid Battery.

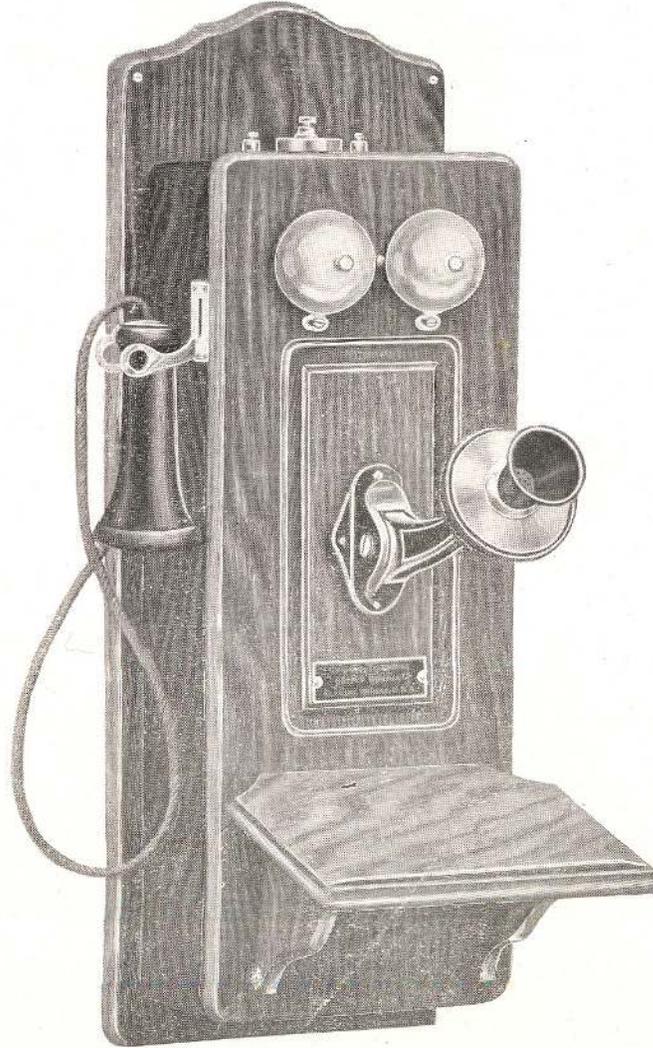
Handsomely Finished Cabinet in Oak or Walnut, with Wide Battery Box.

Bi-polar Lightning Arrestor, Chicago Type.



Chicago Bridging Telephone

Model 34.



SPECIFICATIONS.

Six-Bar Eighteen-Magnet Bridging Generator No. 2, Cardinal Enamel. See pages 66, 5, 6, 7.

Long Pattern Bridging Striker, Cardinal Enamel. See page 67.

Long Lever Automatic Switch. See page 55.

Platinum Contacts.

Long Distance Solid Back Transmitter. See pages 56, 57, 9.

Adjustable Transmitter Arm No. 4, with Concealed Cords. See page 58.

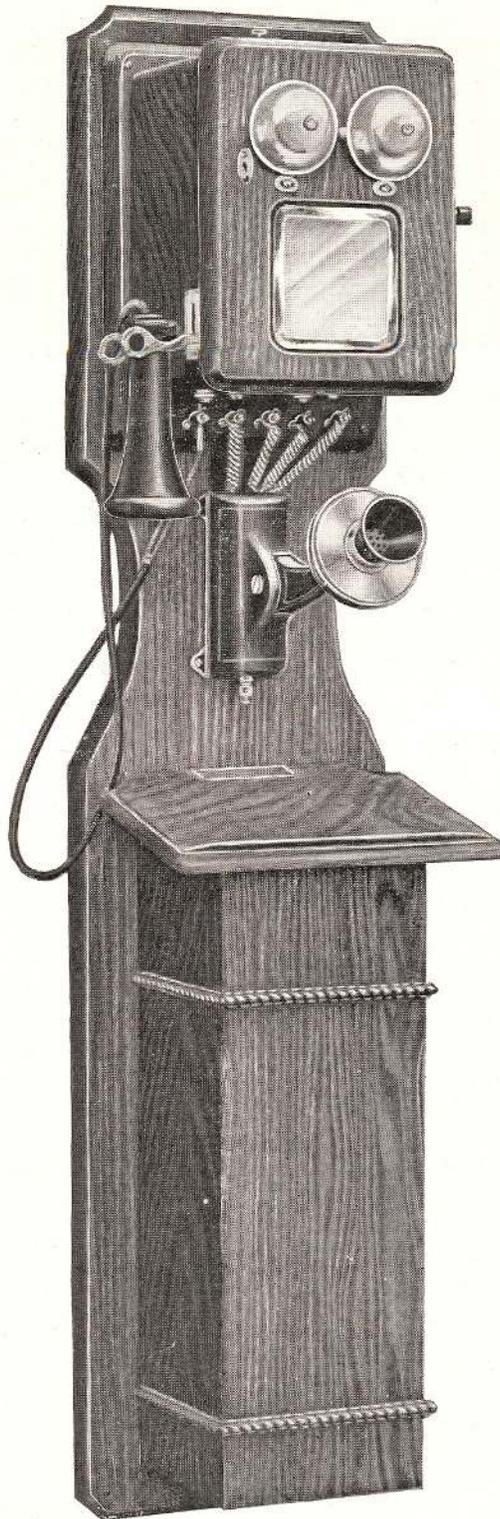
Long Distance Induction Coil.

Bi-polar Receiver and Cord. See page 54.

Two Cells, Dry Battery.

Handsomely Finished Cabinet in Oak or Walnut, Compact Type.

Bi-polar Lightning Arrestor, Chicago Type.



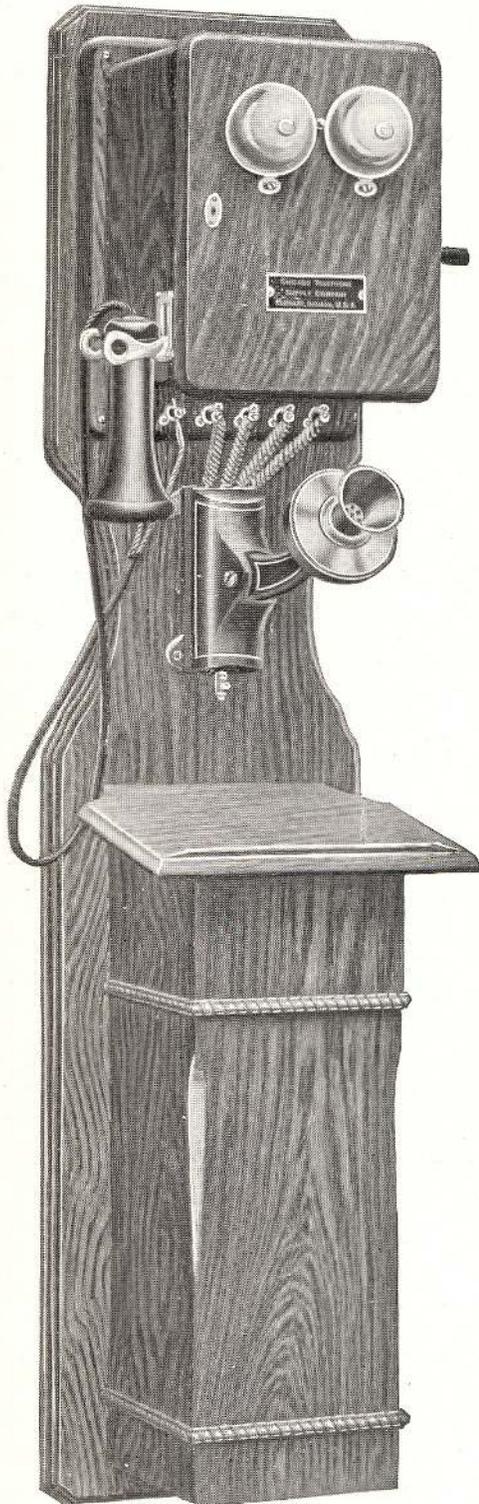
Chicago Bridging Telephone

Model 32.

SPECIFICATIONS.

- Six-Bar Eighteen-Magnet Bridging Generator No. 2. Full Nickel Plate. See pages 66, 5, 6, 7.
- Long Pattern Bridging Ringer Movement, Full Nickel Plate. See page 67.
- Plate Glass Front to Magneto Door.
- Long Lever Automatic Switch. See page 55.
- Platinum Contacts.
- Long Distance Solid Back Transmitter. See pages 56, 57, 9.
- Adjustable Transmitter Arm with Concealed Cords. See page 58.
- Long Distance Induction Coil.
- Bi-polar Receiver and Cord. See page 54.
- Two Cells, Dry or Liquid Battery.
- Handsomely Finished Cabinet, in Oak or Walnut, with Tandem Battery Box.
- Bi-polar Lightning Arrestor, Chicago Type.

CHICAGO TELEPHONE
SUPPLY COMPANY



Chicago Bridging Telephone

Model 37.

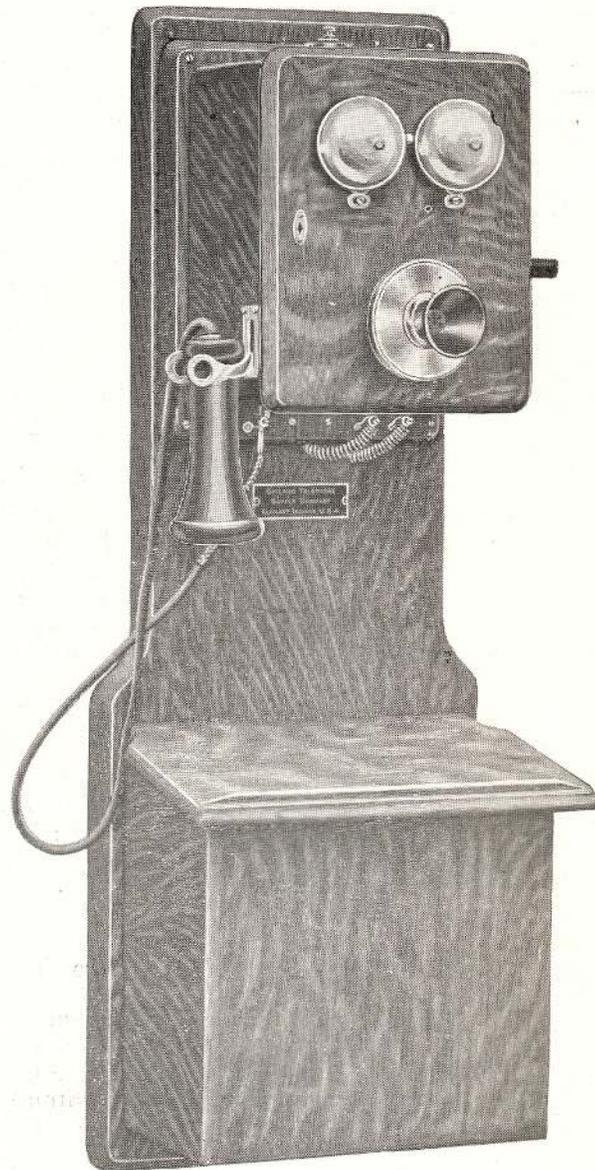
SPECIFICATIONS.

Six-Bar Eighteen-Magnet Bridging Generator No. 2 See pages 66, 5, 6, 7.
Long Pattern Bridging Ringer Movement. See page 67.
Long Lever Automatic Switch. See page 55.
Platinum Contacts.
Long Distance Solid Back Transmitter. See pages 56, 57, 9.
Adjustable Transmitter Arm with Concealed Cords. See page 58.
Long Distance Induction Coil.
Bi-polar Receiver and Cord. See page 54.
Two Cells, Dry or Liquid Battery.
Handsomely Finished Cabinet, in Oak or Walnut, with Tandem Battery Box.
Bi-polar Lightning Arrestor, Chicago Type.

THE GREAT
MAIL ORDER FACTORY



Chicago Bridging Telephone Model 28.



SPECIFICATIONS.

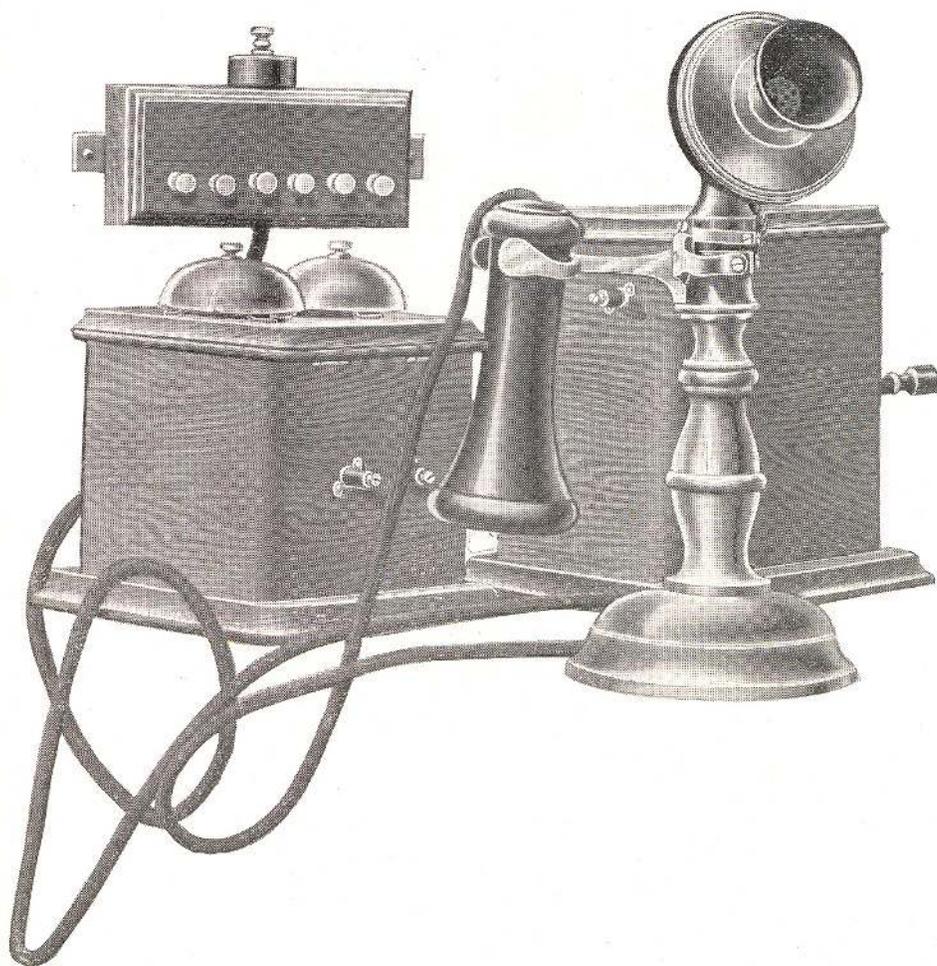
- Six-Bar Eighteen-Magnet Bridging Generator No. 2, Cardinal Enamel. See pages 66, 5, 6, 7.
- Long Pattern Bridging Ringer Movement, Cardinal Enamel. See page 67.
- Long Lever Automatic Switch. See page 55.
- Platinum Contacts.
- Long Distance Solid Back Transmitter. See pages 56, 57, 9.
- Bi-polar Receiver and Cord. See page 54.
- Long Distance Induction Coil.
- Two Cells of Dry or Liquid Battery.
- Handsomely Finished Cabinet in Oak or Walnut, with Wide Battery Box.
- Bi-polar Lightning Arrestor, Chicago Type.





Chicago Desk Set Bridging

Model 41.



SPECIFICATIONS.

Nickel Plated Desk Stand, Cast Metal.
Six-Bar Bridging Generator, Mounted in Box. See pages 52, 66, 5, 6, 7.
Bridging Extension Bell. See page 52.
Long Distance Solid Back Transmitter. See pages 56, 57, 9.
Bi-polar Receiver with Silk Cord. See page 54.
Long Distance Induction Coil, Mounted in Cord Terminal.
Six Feet of Silk Covered Cordage.
Two Cells of Wet or Dry Battery, as desired.
Long Lever Automatic Hook.
Platinum Contacts.





CHICAGO SERIES TELEPHONES

These instruments are designed for exchange work where each telephone has a separate line to the switch board.

The Chicago Series Generator has five bars and each will ring satisfactorily past partial short circuits and shunts, where no service could be secured with a light generator.

All Chicago Series Telephones except Model 14 are equipped with the celebrated Chicago Transmitter which is built like a watch and guaranteed to talk louder, clearer and farther than any other transmitter.





Chicago Series Telephone

Model 26.



Used on separate lines to switch board, or on private line of two instruments.

SPECIFICATIONS.

Series Generator (25,000 ohm). See page 64.

Series Ringer Movement. See page 67.

Long Lever Automatic Switch. See page 55.

Platinum Contacts.

Long Distance Solid Back Transmitter. See page 56, 57, 9.

Adjustable Transmitter Arm No. 4, with Concealed Cords. See page 58.

Long Distance Induction Coil.

Bi-polar Receiver with Cord. See page 54.

Two Cells, Dry Battery.

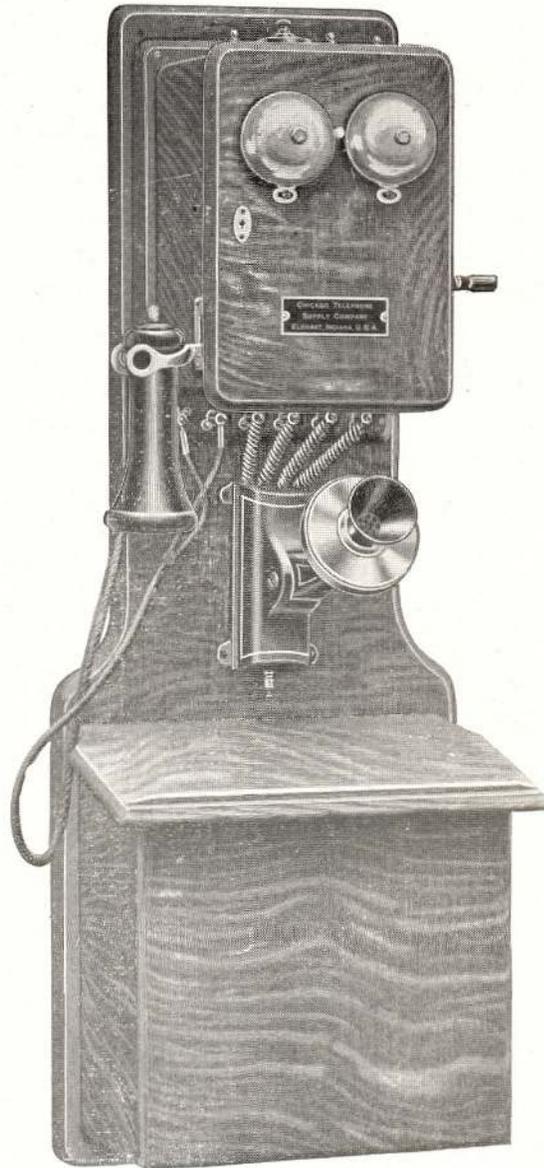
Handsomely Finished Cabinet in Oak or Walnut, Compact Type.

Bi-polar Lightning Arrestor, Chicago Type.





Chicago Series Telephone Model 10.



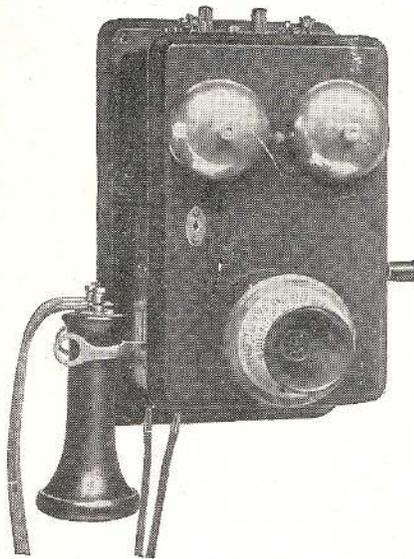
Used on separate line to switch board, or private line of two instruments.

SPECIFICATIONS.

- Series Generator (25,000 ohm). See page 64.
- Series Ringer Movement. See page 67.
- Long Lever Automatic Switch. See page 55.
- Platinum Contacts.
- Long Distance Solid Back Transmitter. See page 56, 57, 9.
- Adjustable Transmitter Arm with Concealed Cords. See page 58.
- Long Distance Induction Coil.
- Bi-polar Receiver and Cord. See page 54.
- Two Cells, Dry or Liquid Battery.
- Handsomely Finished Cabinet in Oak or Walnut, with Wide Battery Box.
- Bi-polar Lightning Arrestor, Chicago Type.



Chicago Series Telephone Model 14.



Used on separate line to switch board, or on private
line of two instruments.

SPECIFICATIONS.

Series Magneto.
Hummer Transmitter.
High-Wound Receiver.
Automatic Switch.
Long Distance Induction Coil.
Two Cells, Wet or Dry Battery, as preferred.

Chicago Desk Set - Series

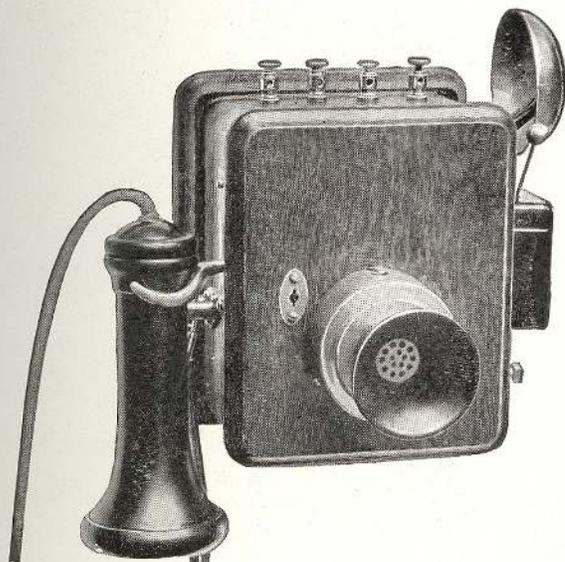
Model 24.



SPECIFICATIONS.

Nickel Plated Desk Stand, Cast Metal.
Series Generator Mounted in Box. See page 52.
Series Extension Bell. See page 52.
Long Distance Soid Back Transmitter. See pages 56, 57, 9.
Bi-polar Receiver with Silk Cord. See page 54.
Long Distance Induction Coil, Mounted in Cord Terminal.
Six Feet of Silk Covered Cordage.
Two Cells of Wet or Dry Battery, as desired.
Long Lever Automatic Hook.

Chicago Interior Telephones



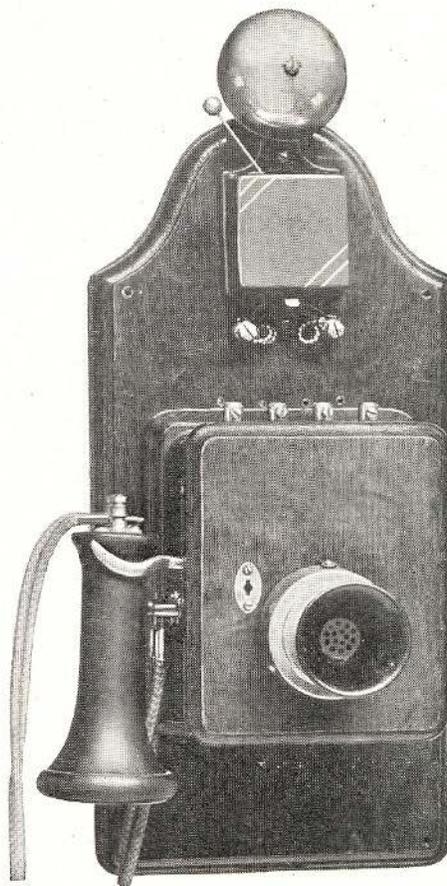
Model 19.

Is a battery call telephone, designed for inter-communicating work.

It has a hummer transmitter, high-wound receiver and cord, automatic switch, induction coil, iron box vibrating bell, and rubber top three-point push button.

Model 20.

Is the same as Model 19, except that it is mounted on a back board, and the bell is mounted on back board above the box.



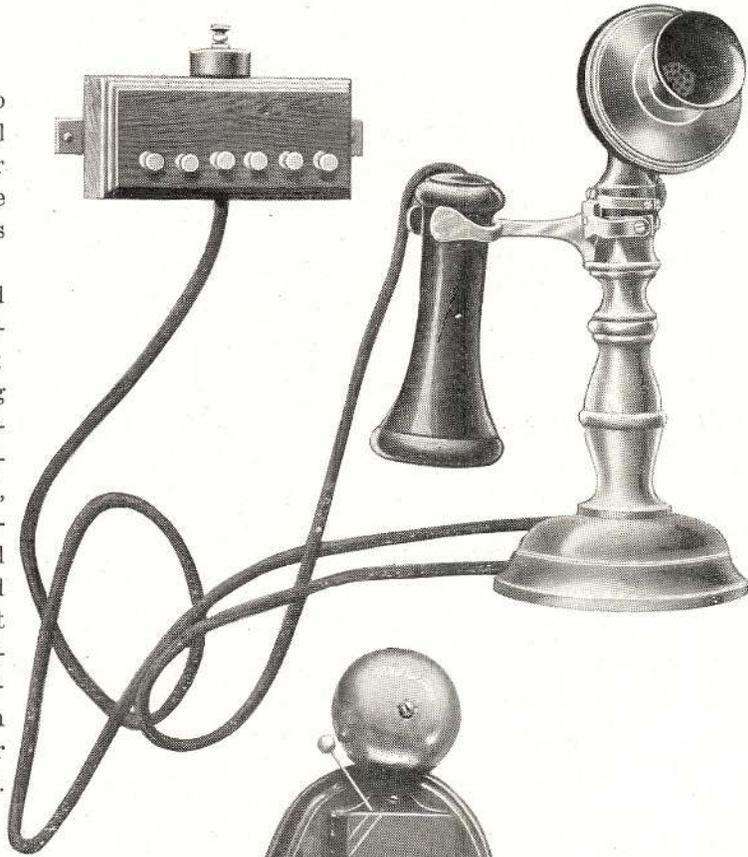


Chicago Interior Telephones

Model 18.

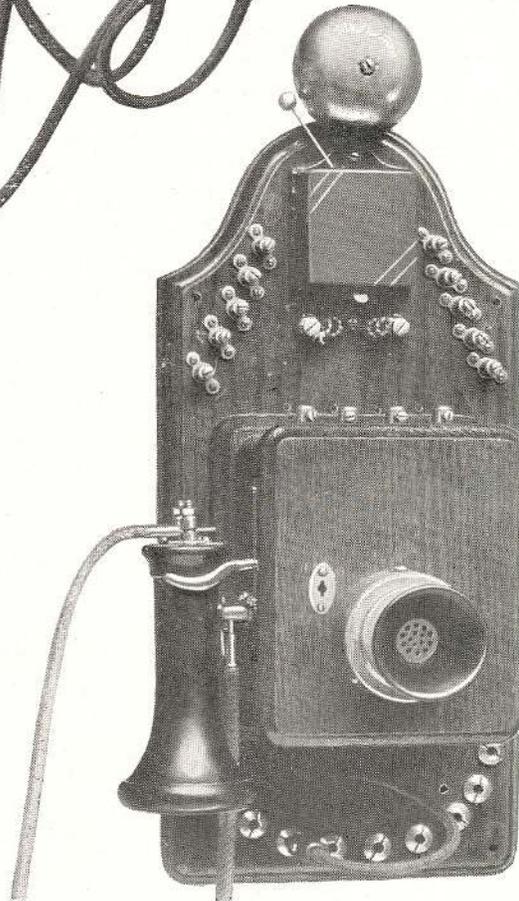
The Chicago Desk Set, Model 18, is intended for interior work; the same as Models 19 and 20.

It is equipped with the nickel-plated desk stand; solid back, long distance transmitter, bi-polar receiver and cord, long distance induction coil mounted in cord terminal, six feet silk covered cordage, iron box vibrating bell, push button, long lever automatic switch.



Model 42.

Model 42 is like Model 20, with the addition of a plug switch, which must have as many points as there are stations on the system.



Model 42.





CHICAGO INTER-COMMUNICATING TELEPHONES

For factories, business houses, hotels and private houses where a telephone system is wanted to enable any department or room to call up any other department or room without the aid of a central switch board. All parts are constructed in the most careful manner and of the strongest materials to prevent damage of the equipment at the hands of inexperienced users.

The switching device employs the same jacks and plugs used on the Chicago Bell Type Express Switch Board.

The circuit is simple and the system is offered as representing the highest state of the art in this class of work.

Quotations and plans will be furnished on systems of any size. Full instructions for installation will be furnished with apparatus or upon application.





CHICAGO BELL TYPE EXPRESS SWITCH BOARD

This instrument will appeal at sight to well-posted exchange men. Each drop and jack are self-contained and self-restoring.

Each drop and jack are separately and instantly removable from board.

Each drop coil is incased in a tube of Norway iron and is insulated from frame.

Each drop armature is instantly removable without tools.

Each drop coil is instantly removable without tools.

Any drop coil can be replaced with a new one in one minute without removing any other part from the board except the armature.

Hard rubber insulation is used throughout.

The night bell circuit and contacts are thoroughly insulated from every other part.

Two line jack springs are used, thus avoiding the use as a line contact of bushing through which plug passes.

Screw and soldered terminals, as preferred.

The operator's key has platinum contacts.

The beautiful cabinet is made of quarter-sawed oak with high piano polish. The operator's set consists of Chicago Transmitter mounted on adjustable swinging arm; head band receiver, cord and plug; six-bar switch board generator; long distance induction coil, and five cells of gravity battery. Sample drops and keys will be sent on approval to prospective purchasers.



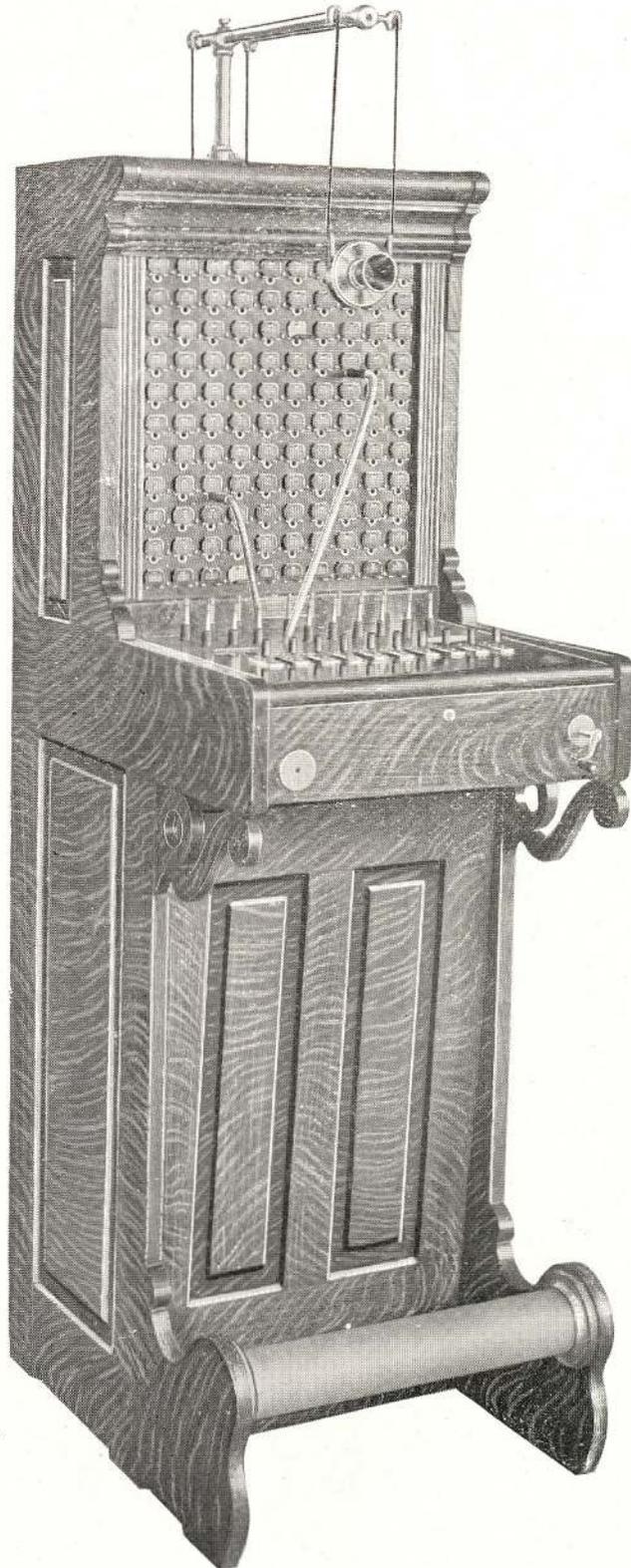
Chicago Bell Type Express Switch Board



200 Lines.

CHICAGO TELEPHONE
SUPPLY COMPANY

Chicago Bell Type Express Switch Board

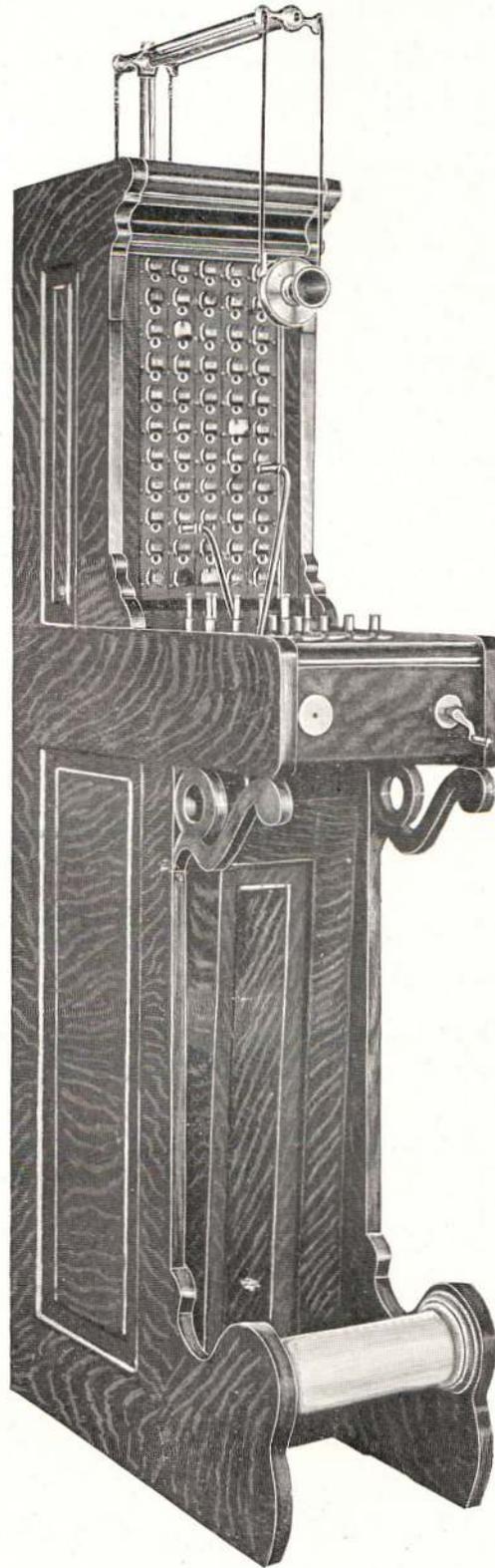


100 Lines.

THE GREAT
MAIL ORDER FACTORY

CHICAGO TELEPHONE
SUPPLY COMPANY

Chicago Bell Type Express Switch Board

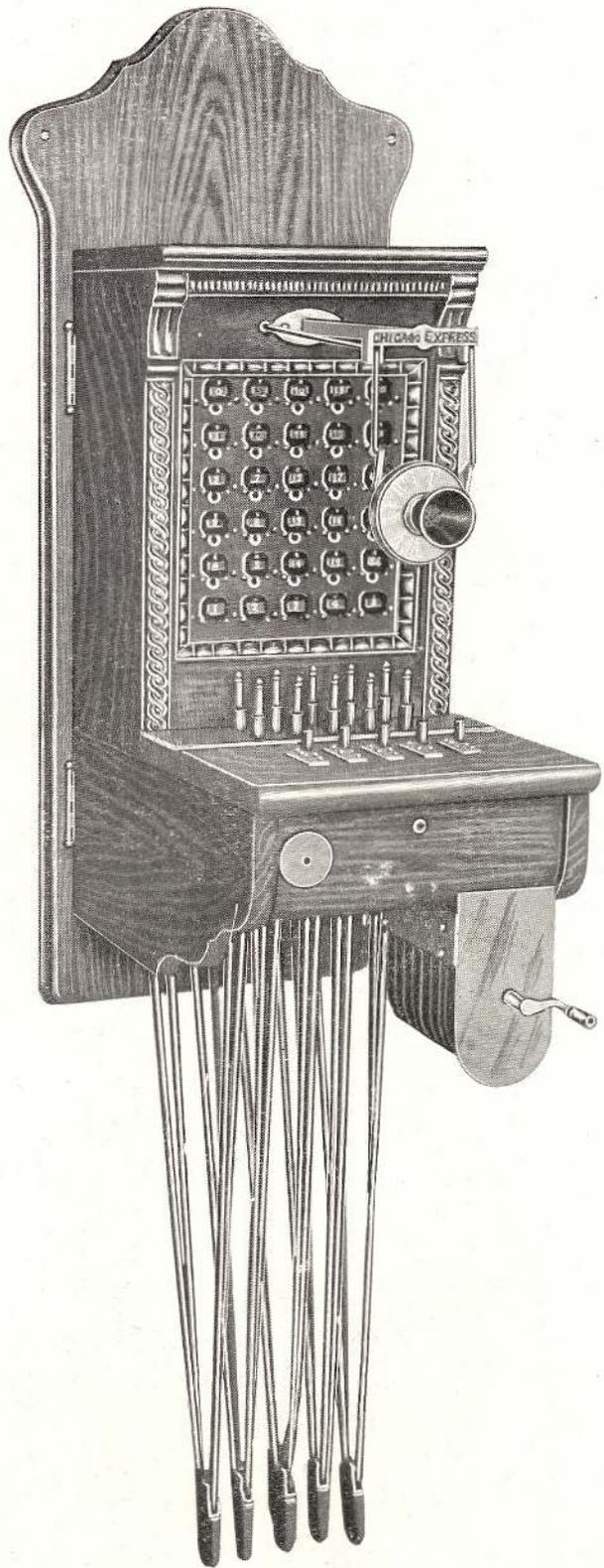


50 Lines.

THE GREAT
MAIL ORDER FACTORY

CHICAGO TELEPHONE
SUPPLY COMPANY

Chicago Bell Type Express Switch Board



25 Lines.

THE GREAT
MAIL ORDER FACTORY

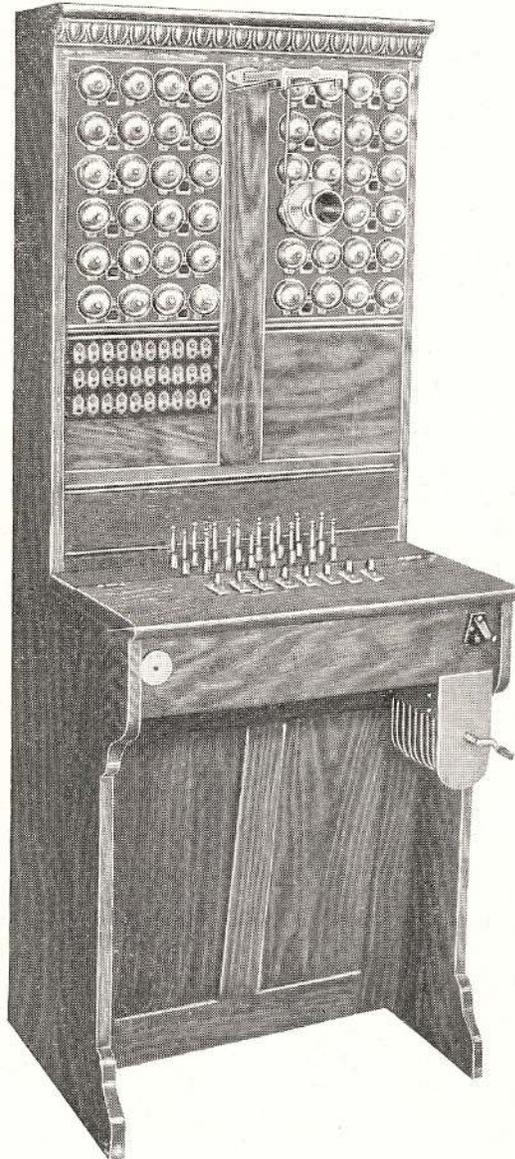
CHICAGO TELEPHONE
SUPPLY COMPANY

Combined Bridging Telephone and
Chicago Bell Type Express Switch Board
Model 35.



THE GREAT
MAIL ORDER FACTORY

Chicago Toll Board



This board is intended for use in making connections between party lines. It is so arranged that incoming signals are received by ringer movements (strickers), mounted on the board. Immediately below each ringer movement is mounted a drop shutter which will fall when the ringer movement is energized.

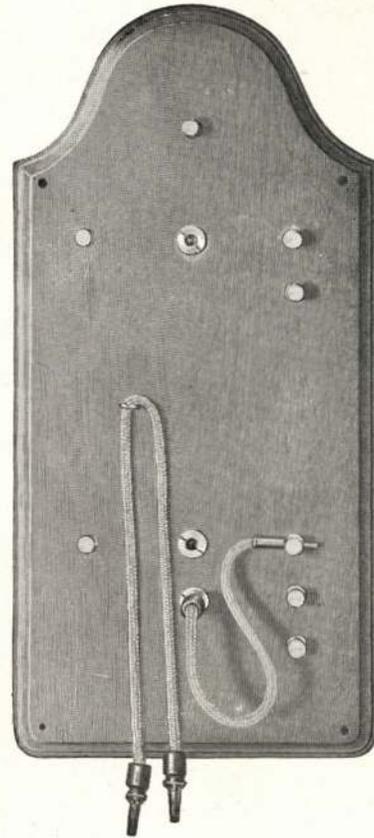
In this manner the ringer movement indicates whether or not the switch board is wanted, and the drop shutter indicates which line is calling.

The Toll Board will be especially valuable in branch exchanges where the board is located in a store or office and the operator has other duties besides attending the switch board.

For local lines having only one telephone on each line the toll board may be equipped with drops, thus forming a combination local exchange and toll board.

This board has capacity for twenty-four bridging lines (bells), or for twelve bridging lines (bells) and fifty local lines (drops).

Chicago
Plug
Board



Chicago
Metallic Circuit
Branch Board

For use in connection with extension bells for receiving signals from and making connections between bridging party lines, installed on ground circuit.

These boards may be arranged to accommodate any number of lines, but are particularly recommended for use at stations where from two to six lines converge. At such points they will give as good satisfaction as equipment costing ten times as much.



COMMON BATTERY EQUIPMENT

We make a specialty of common battery equipment for exchanges of from twenty-five to one thousand subscribers.

Some managers of small exchanges think the common battery system and switch board are too complicated for their use.

Nothing could be further from the truth. The Chicago Common Battery Switch Board is less complicated, has stronger and fewer parts, and is as easy to manage as a board of the magneto type.

The Chicago Common Battery System enables the smallest exchanges to give their subscribers the kind of service that is found in large cities, and the expense for maintenance is less than for magneto call systems.

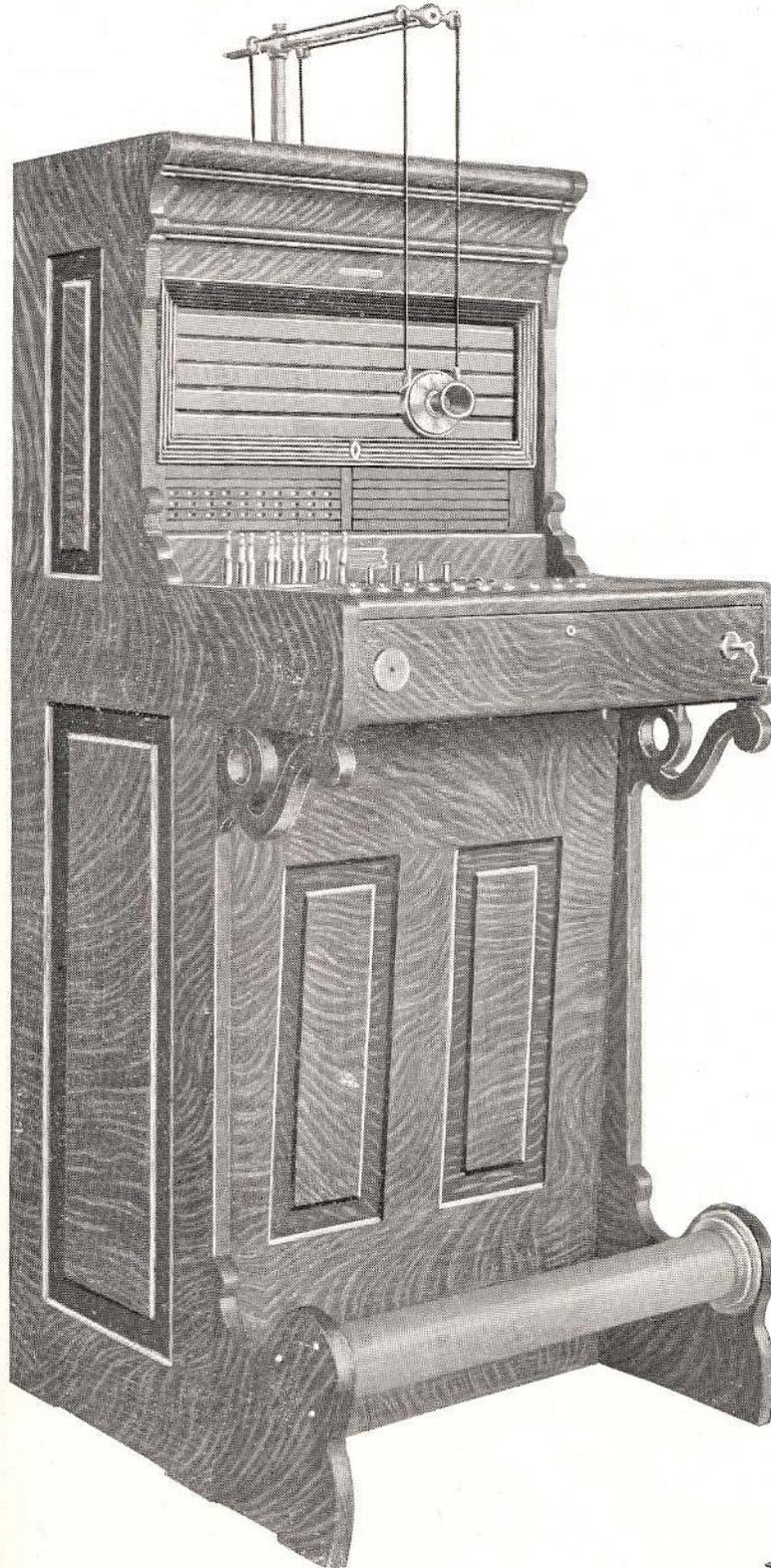
Correspondence is solicited.

Write for special literature and proposals for common battery systems.



CHICAGO TELEPHONE
SUPPLY COMPANY

Common Battery Switch Board

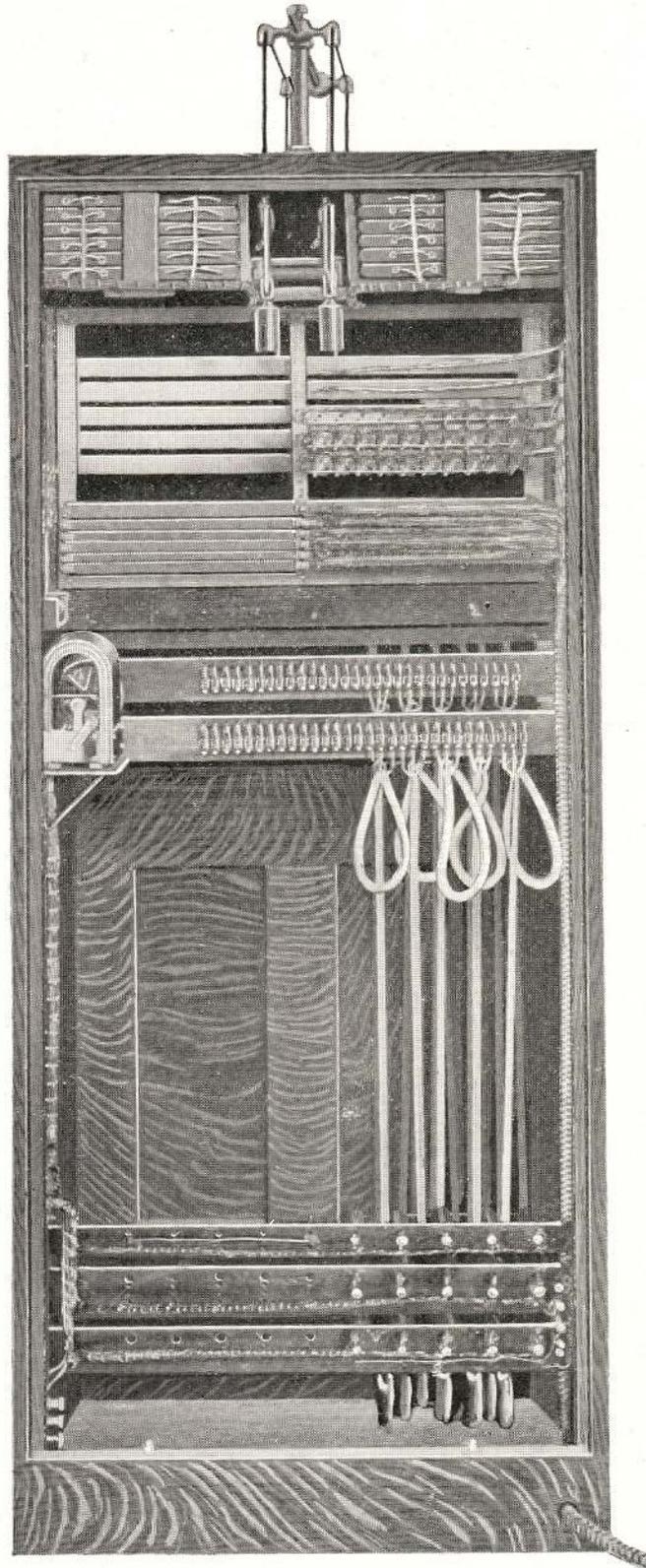


Front View.

THE GREAT
MAIL ORDER FACTORY

CHICAGO TELEPHONE
SUPPLY COMPANY

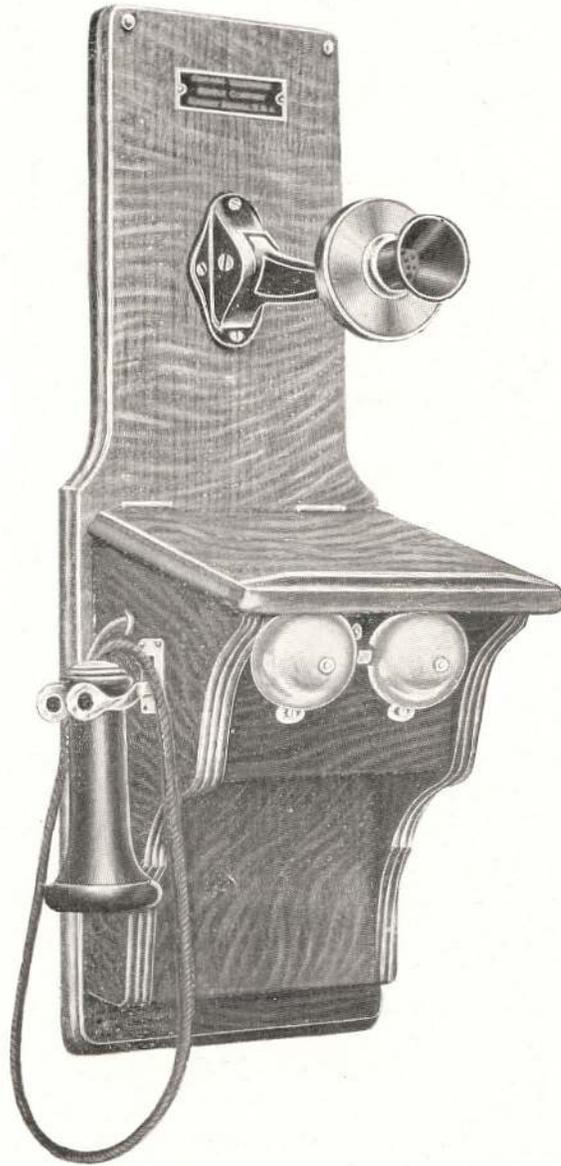
Common Battery Switch Board



Rear View.

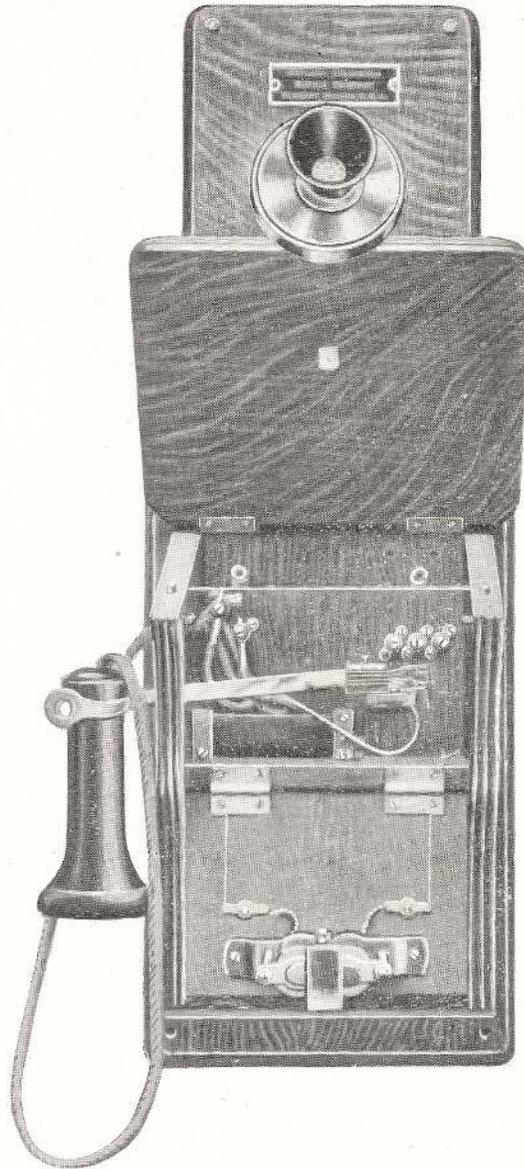
THE GREAT
MAIL ORDER FACTORY

Common Battery Telephone



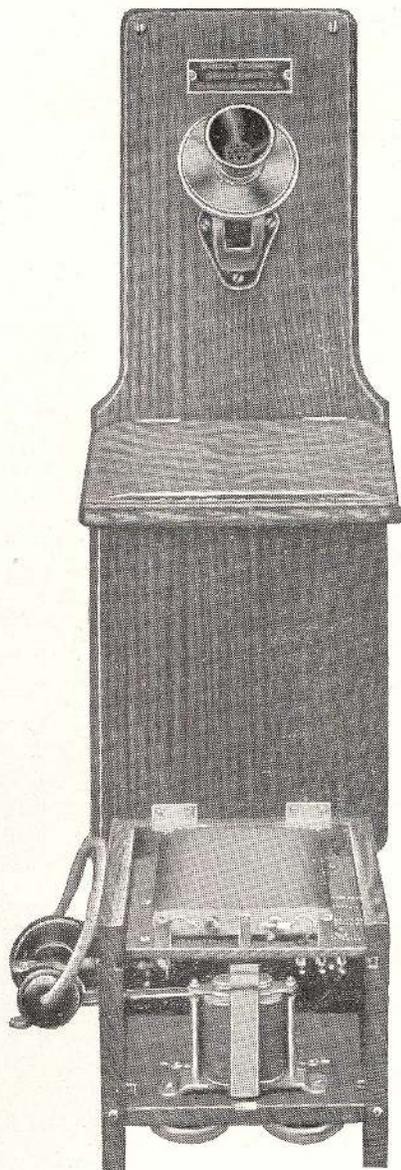
CHICAGO TELEPHONE
SUPPLY COMPANY

Common Battery Telephone



THE GREAT
MAIL ORDER FACTORY

Common Battery Telephone





TELEPHONE PARTS

Many telephone factories are not equipped to produce every part that enters into the construction of their product.

We invite correspondence with such factories.

As we produce all parts in large quantities from the raw material, we are in a position to name attractive prices and to stand back of every part with a guarantee which is as good as a government bond.

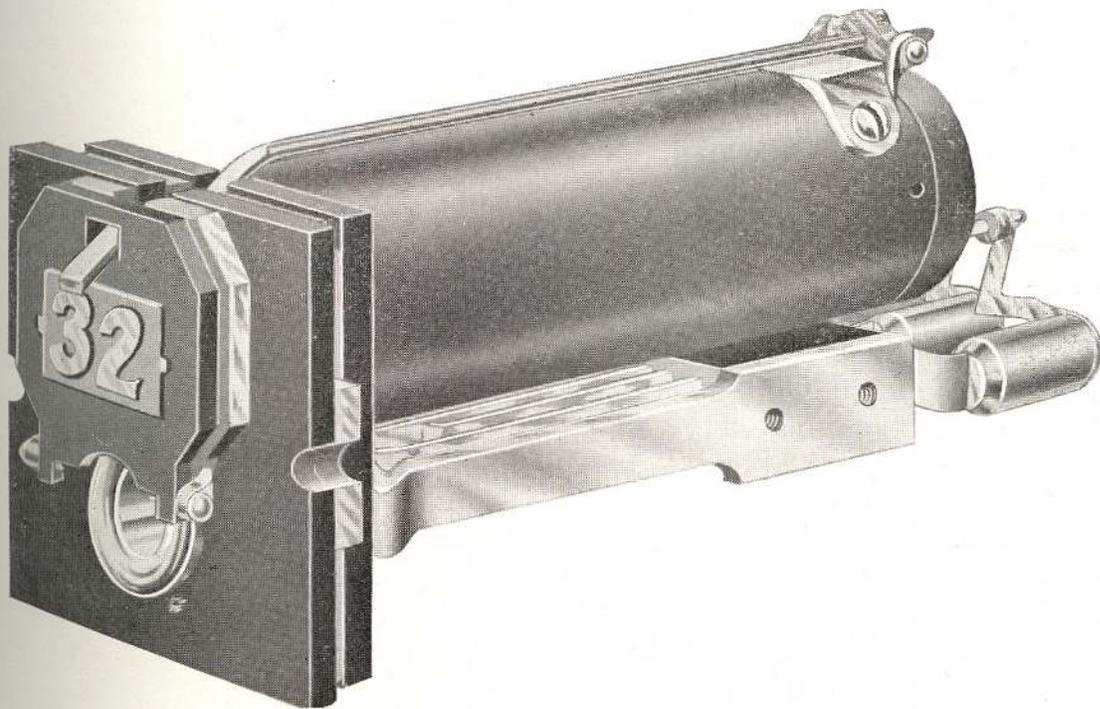
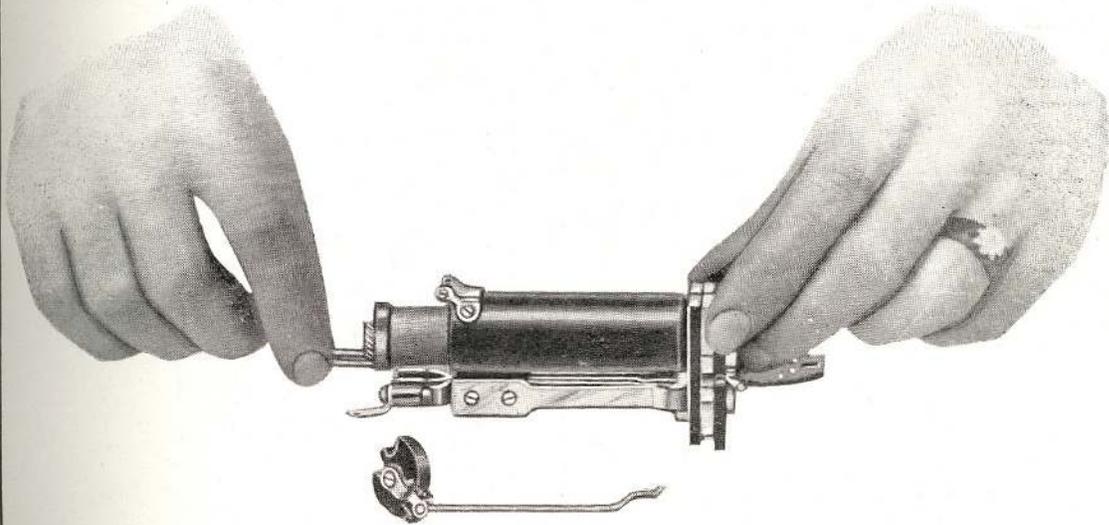
Users of telephones will insure good service if they insist upon their telephones being equipped with Chicago Generators, Transmitters and Receivers.

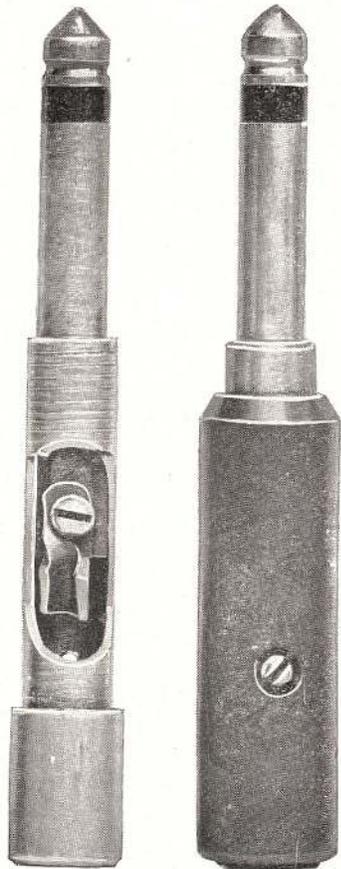
It would be absurd for us to assert that no one can make telephone parts as efficient and long lived as the Chicago, but it is a fact that no one is doing so.



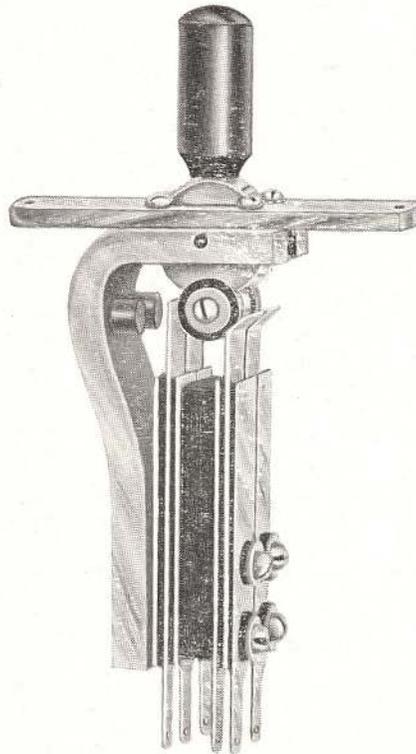


Chicago Bell Type Express, Drop and Jack

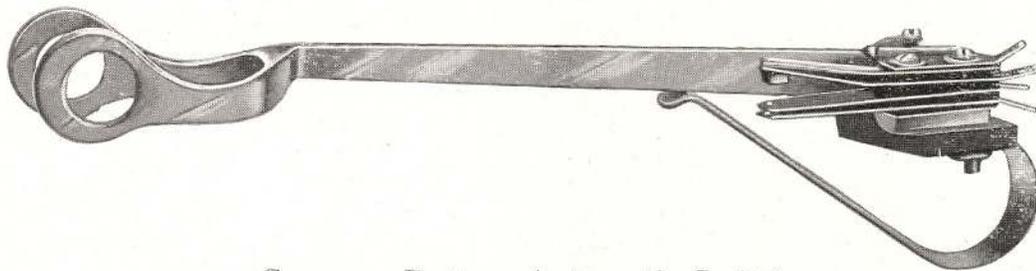




Switch Board Plugs.

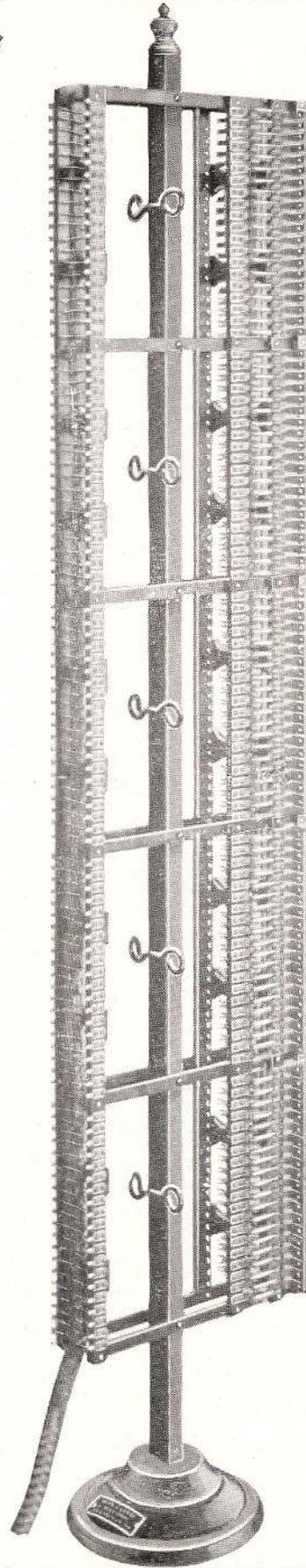


Chicago Operator's Key.



Common Battery Automatic Switch.

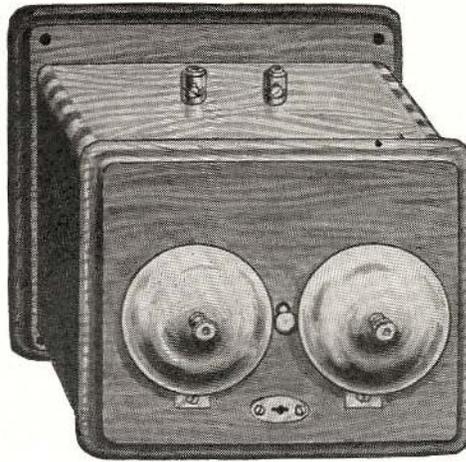
CHICAGO TELEPHONE
SUPPLY COMPANY



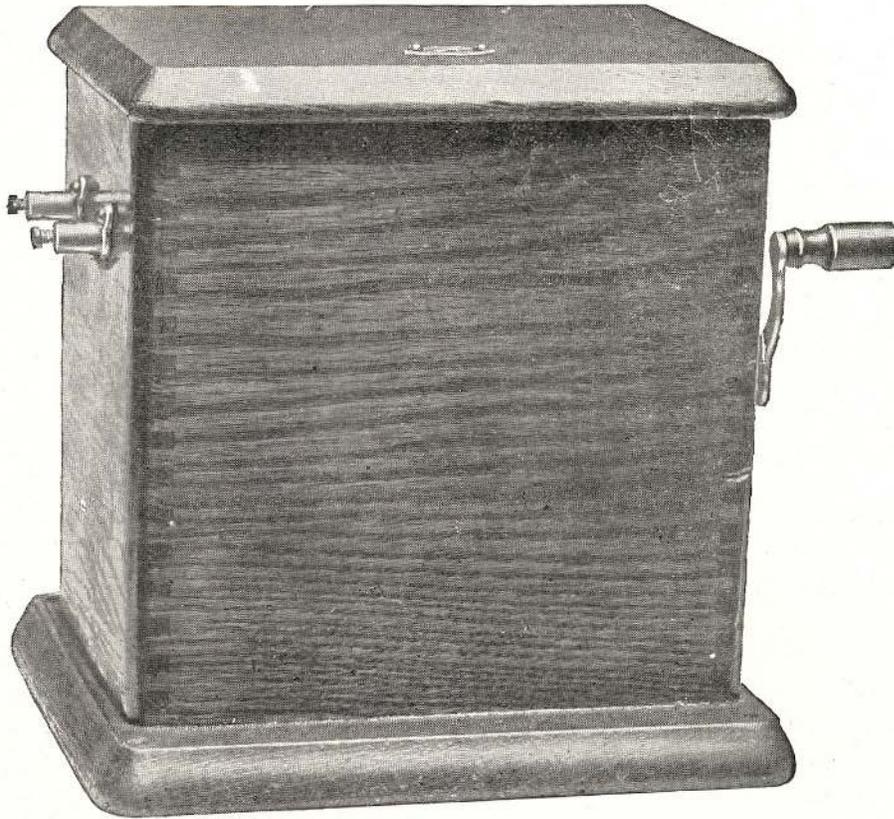
Chicago
Distributing
Board and
Lightning
Arrester

THE GREAT
MAIL ORDER FACTORY

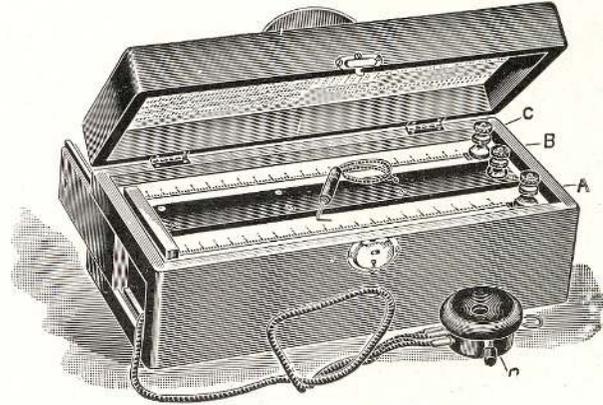
Extension Bells.



Generator Mounted in Box.



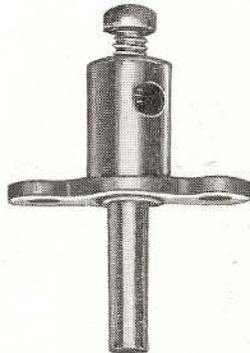
Direct Reading Ohm Meter.



Binding Posts.



No. 3.



No. 6.



No. 2.

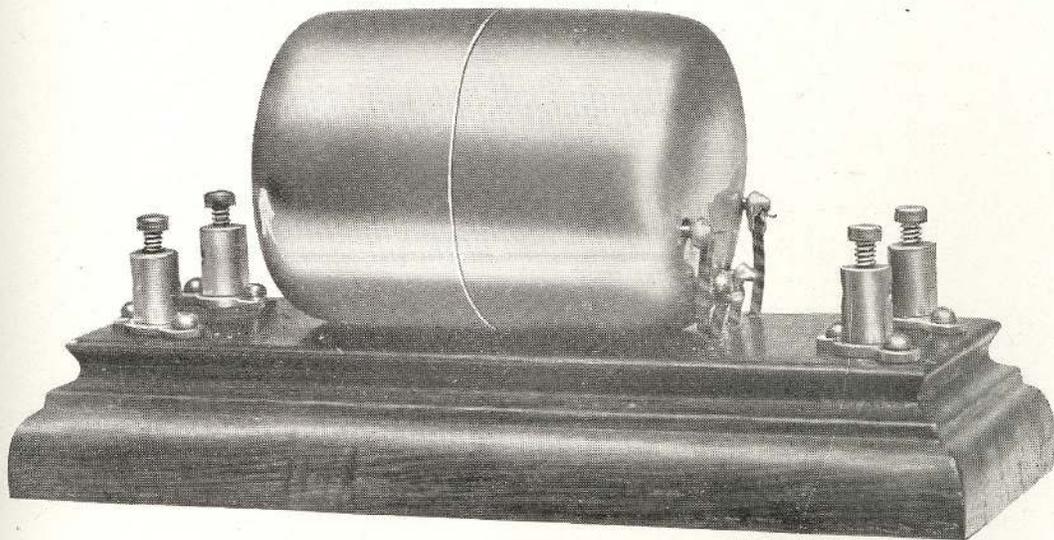


No. 1.

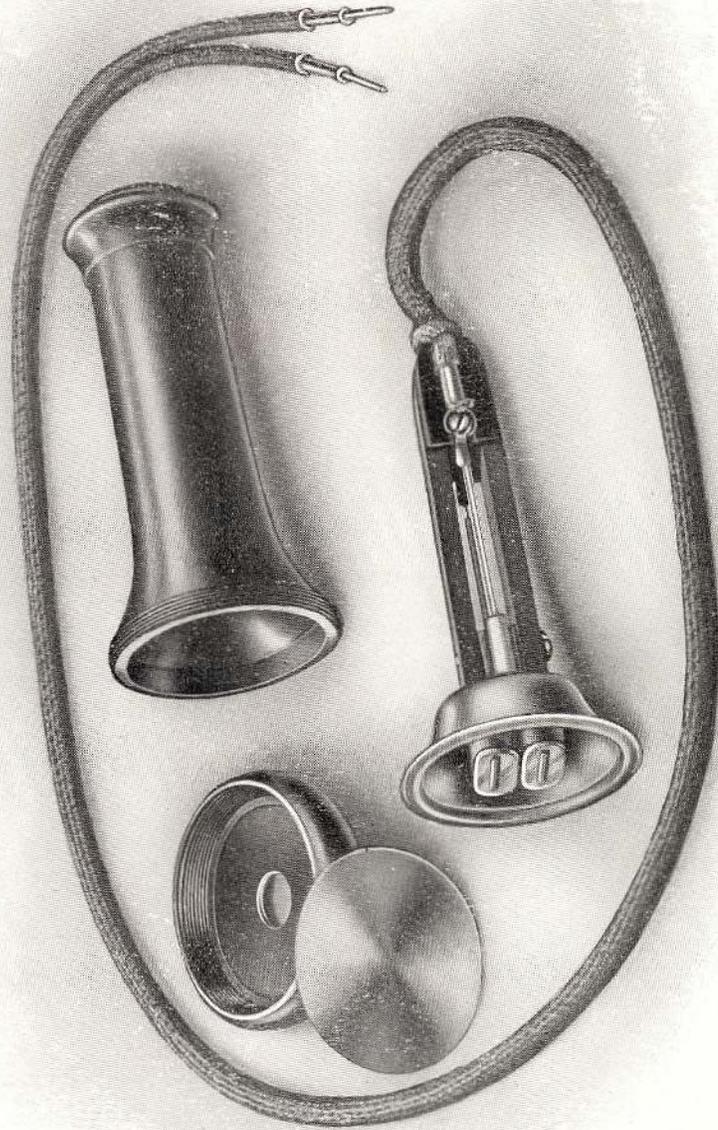


No. 4.

Repeating Coil.

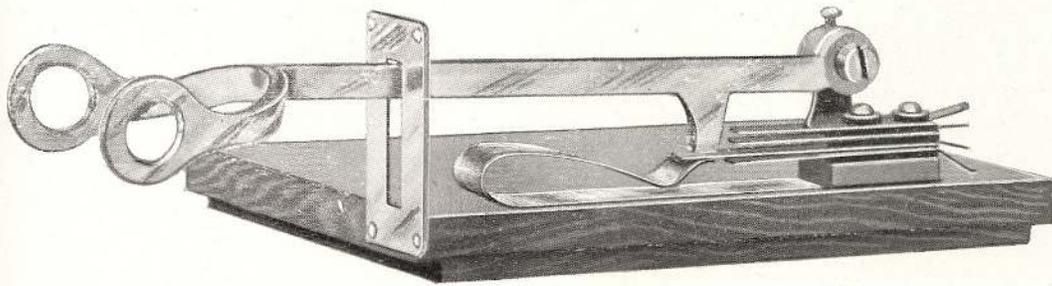


Receivers



Type A.

Long Lever Automatic Switch
Platinum Contacts.



Head Band Receiver.





Chicago Solid Back Transmitter



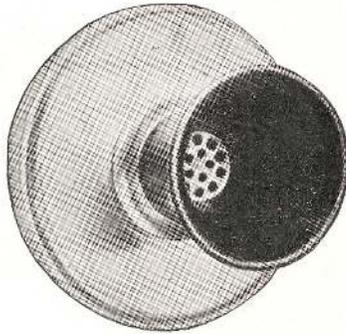
BUILT LIKE A WATCH.

Guaranteed to talk louder, clearer and farther than any other transmitter.

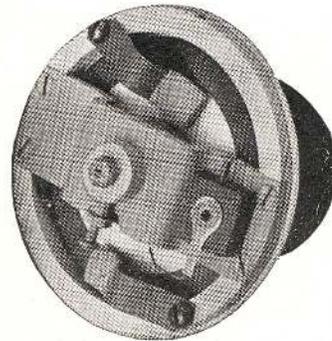
Can be used to replace ordinary transmitters on any make of telephone.



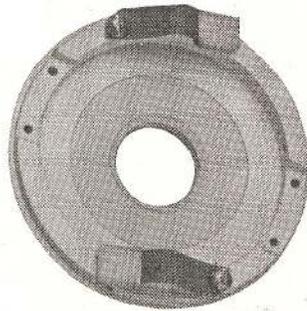
Chicago Genuine Solid Back Transmitter



Front View.

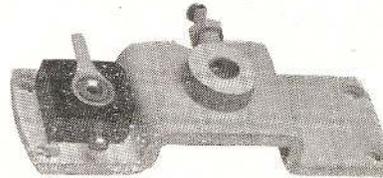


Back View.

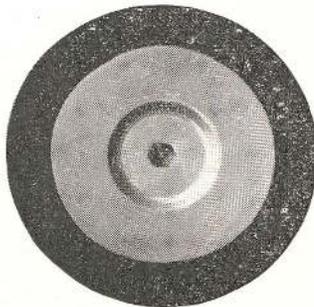


Front and
Damper Springs.

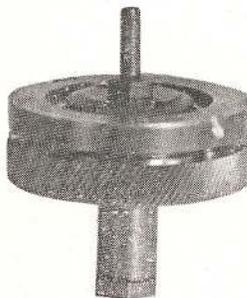
Samples
sent on
Approval



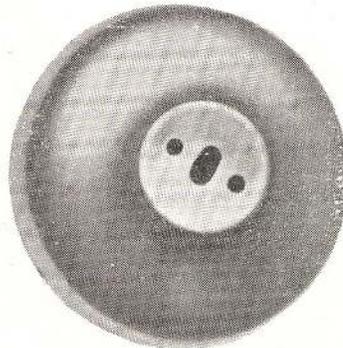
Bridge.



Diaphragm.



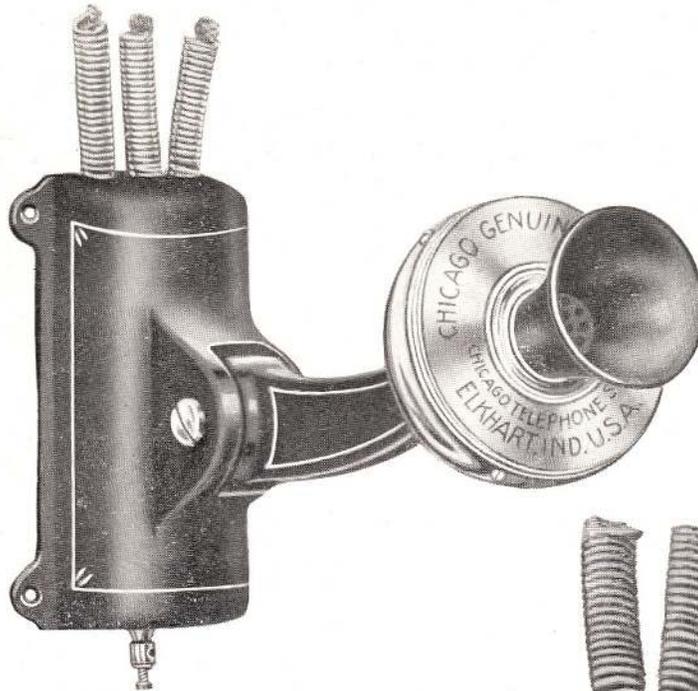
Button.



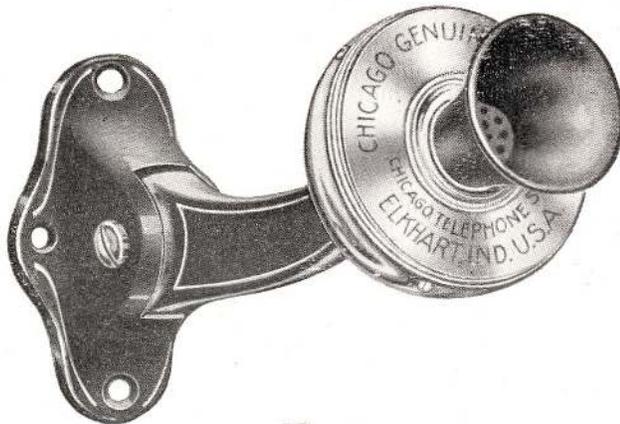
Back Cup.

It's all in the Button.

Arm Transmitters



No. 3.
Front View.



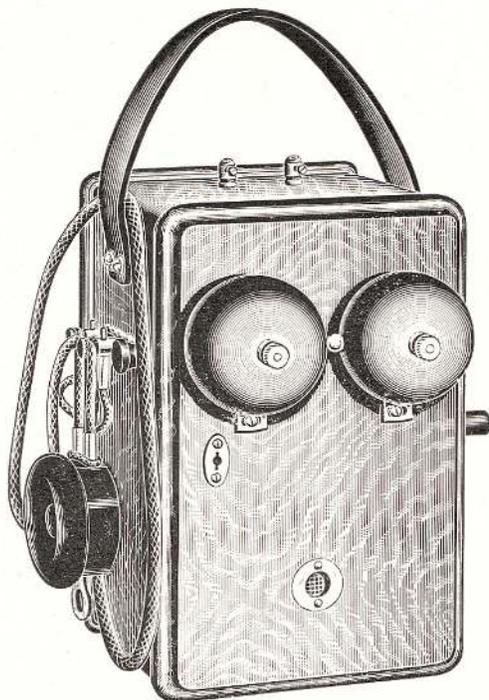
No. 4.



No. 3.
Rear View.

CHICAGO TELEPHONE
SUPPLY COMPANY

Warner
Switch Board
Battery Generator.

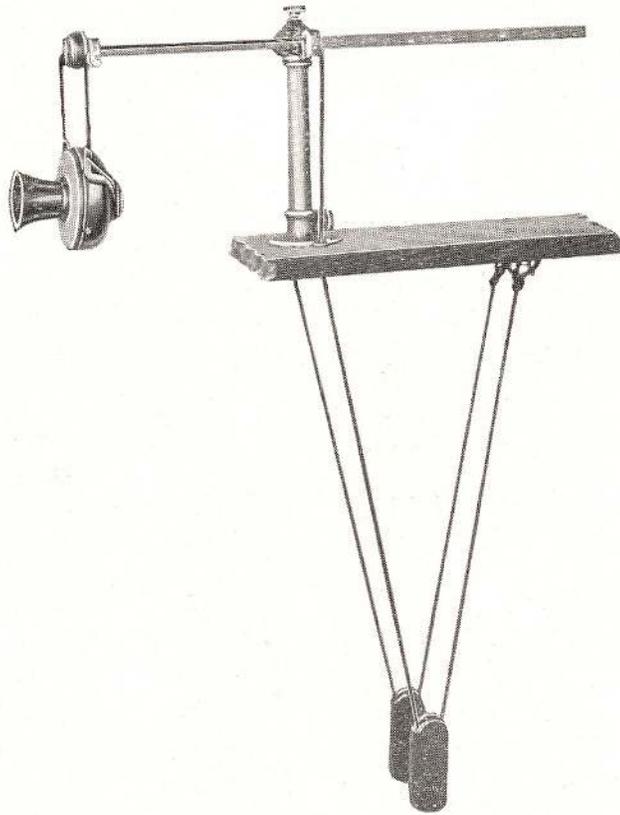


Test Set.

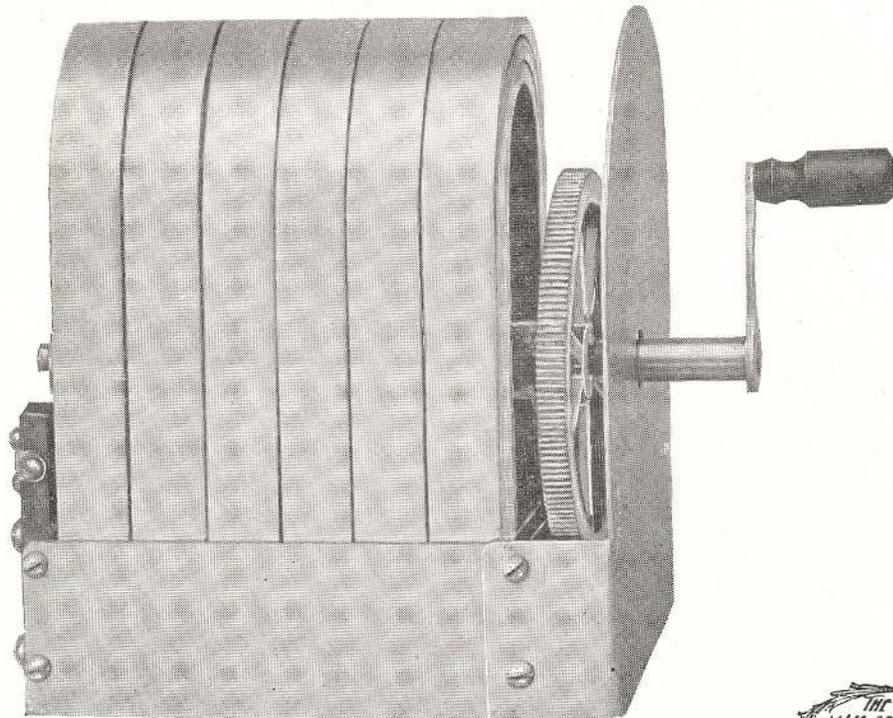
THE GREAT
MAIL ORDER FACTORY

CHICAGO TELEPHONE
SUPPLY COMPANY

Switch Board Transmitter and Arm.

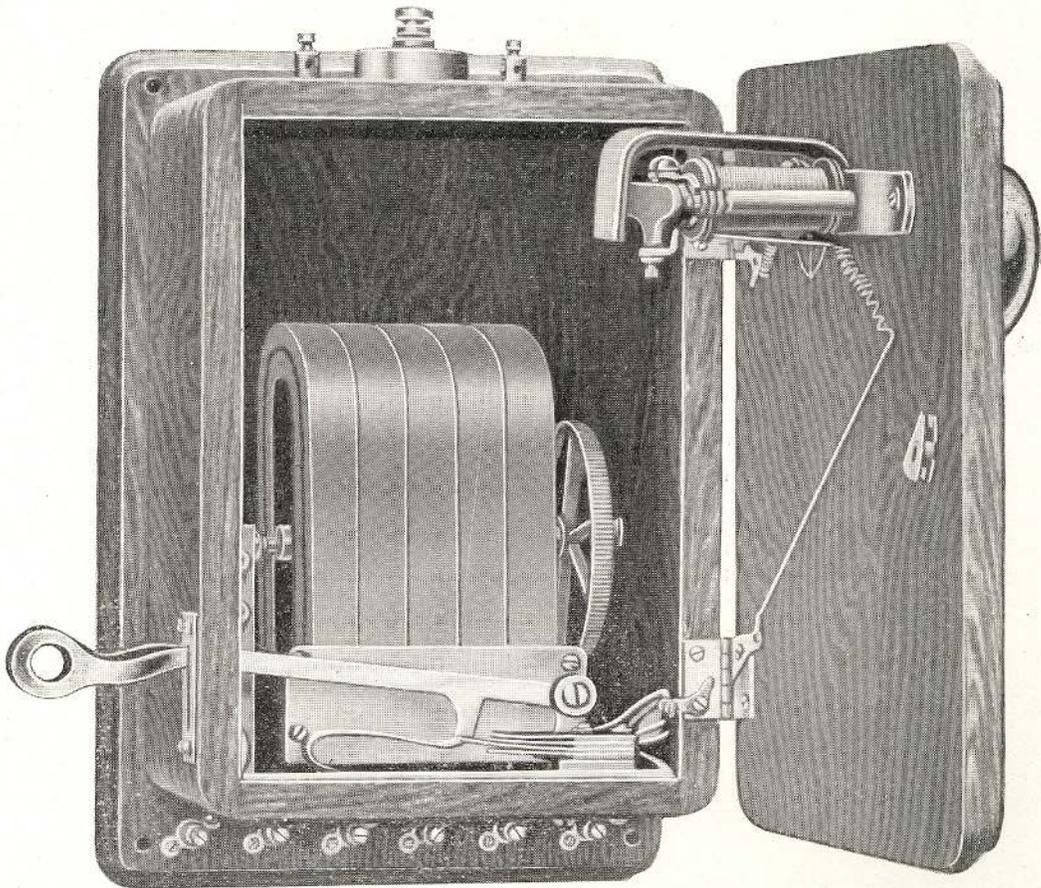


Switch Board Generator.



THE GREAT
MAIL ORDER FACTORY

Chicago 25,000 Ohm Series Magneto



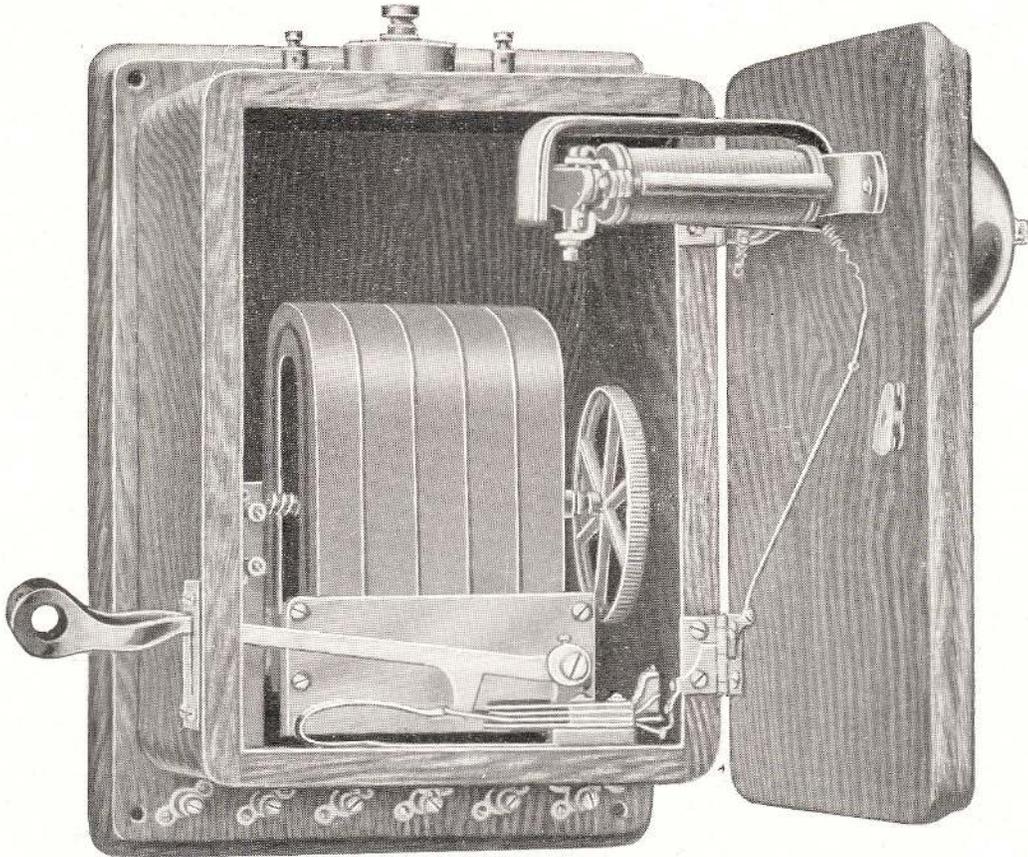
SPECIFICATIONS.

Highly polished box, finished in oak or walnut; brass gongs and supports, nickel-plated; ten powerful magnets; wide gear, large armature; ringer movement, with positive methods of adjustment; no castings are used; new automatic shunt—simple and positive.

Chicago long lever automatic switch; platinum contacts. See page 55.
Wired to six binding posts below the box.

Chicago Bridging Magneto

No. 1.



SPECIFICATIONS.

Highly polished box finished in oak or walnut; brass gongs and supports, nickel-plated; fifteen powerful magnets, laminated; wide gear; laminated armature; five-bar fifteen-magnet bridging generator No. 1. See pages 65, 5, 6, 7.

Long ringer movement, high wound. See page 67.

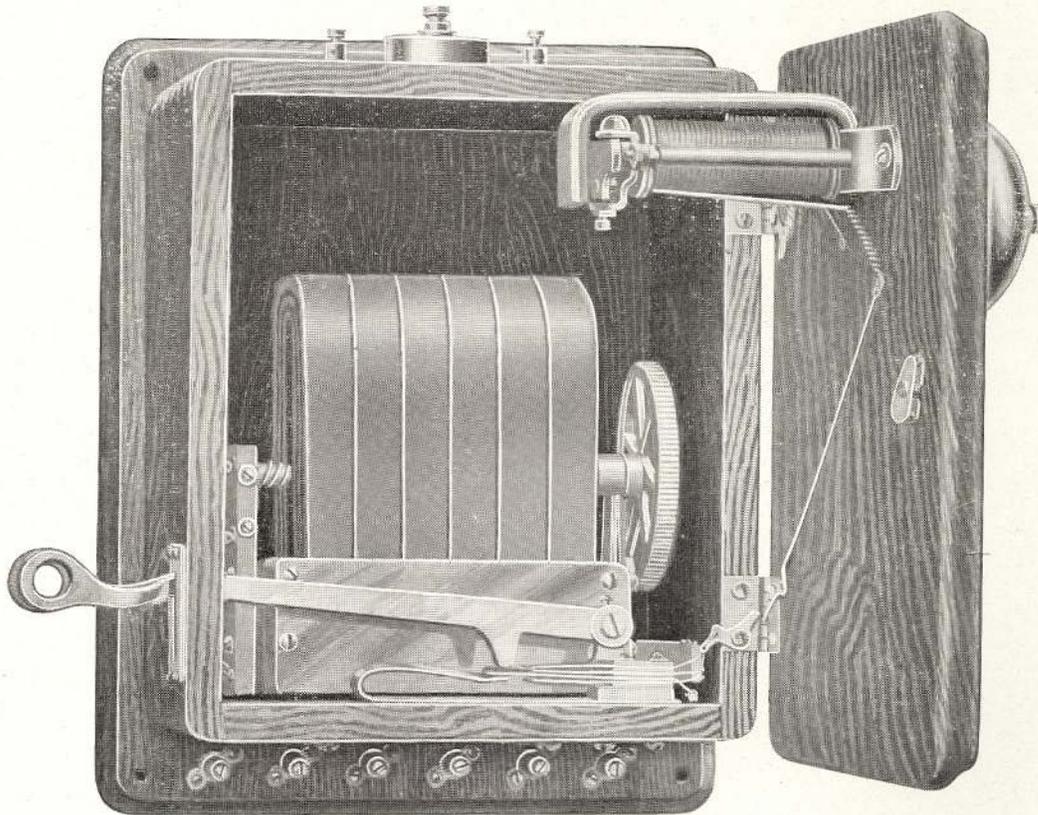
New automatic shunt, simple and positive; Chicago long lever automatic switch. See page 55.

Platinum contacts.

Wired to six binding posts below the box; bi-polar lightning arrestor, Chicago type.

Chicago Bridging Magneto

No. 2.

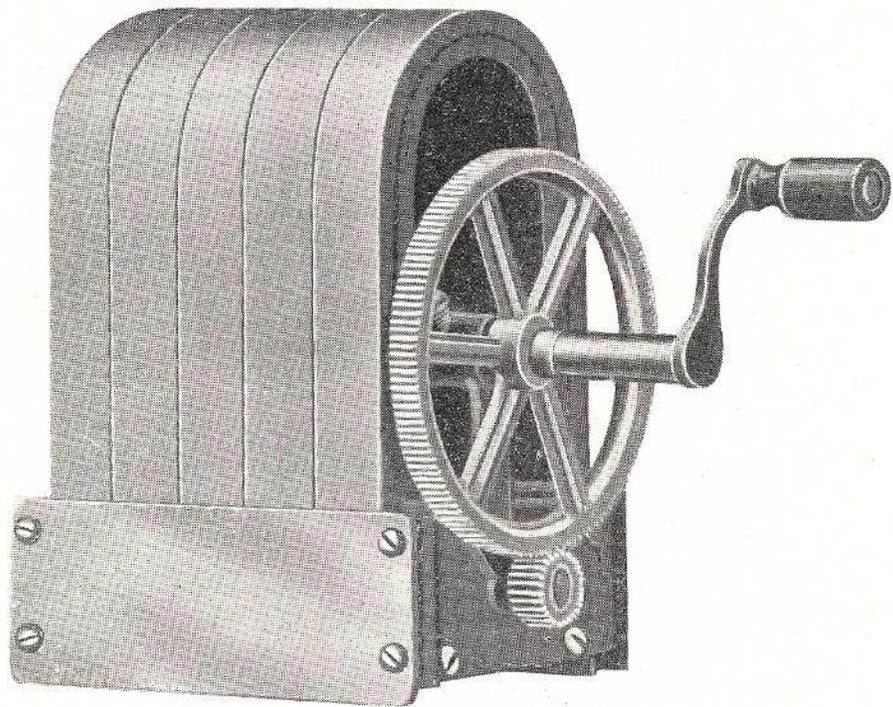


SPECIFICATIONS.

This magneto has the same specifications as Bridging Magneto No. 1, with the exception of the generator.

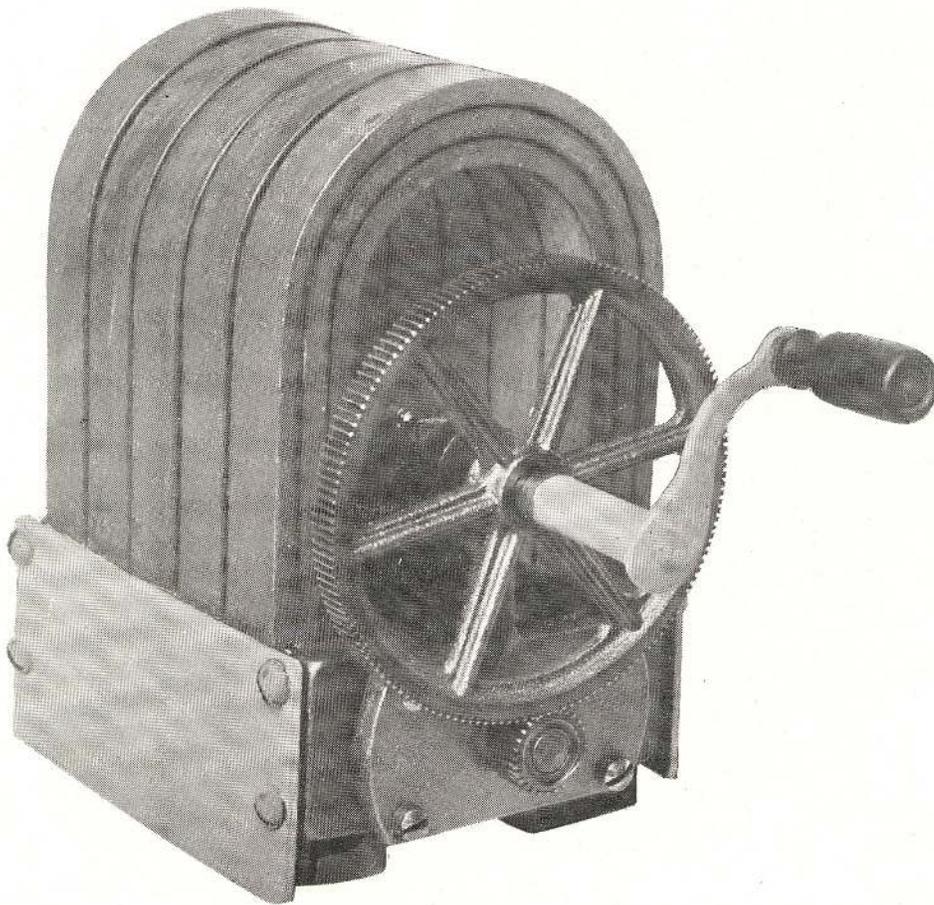
The No. 2 six-bar eighteen-magnet generator (see page 66) has a laminated field magnet, consisting of eighteen powerful magnets; large laminated armature, wide noiseless gear and automatic cut-in.

Chicago Generators



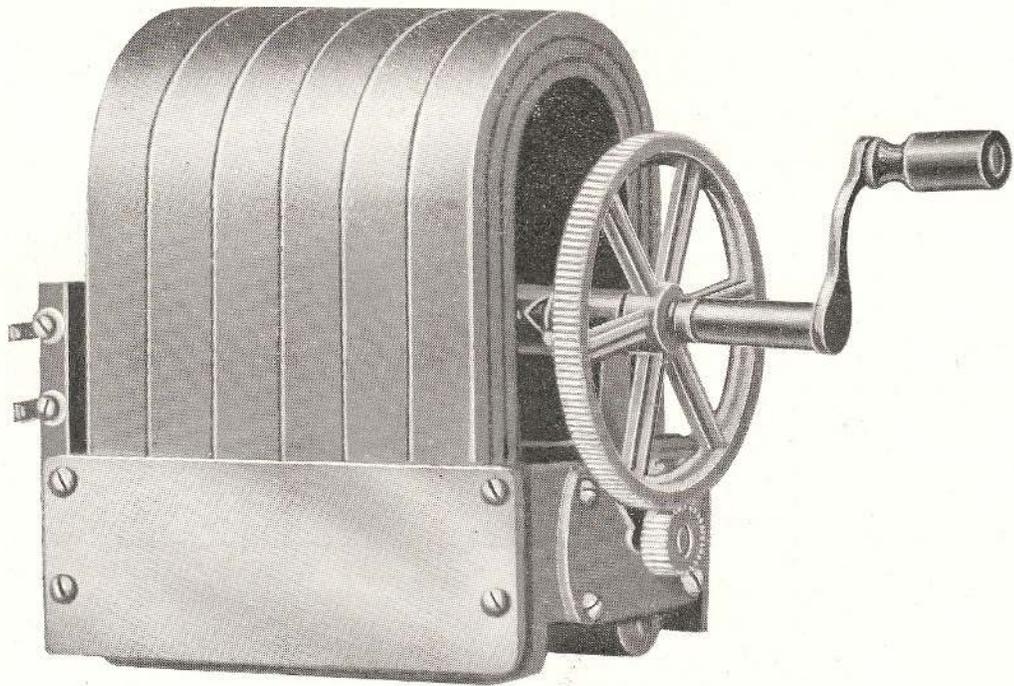
Series.

Chicago Five-Bar Generators



Bridging No. 1.

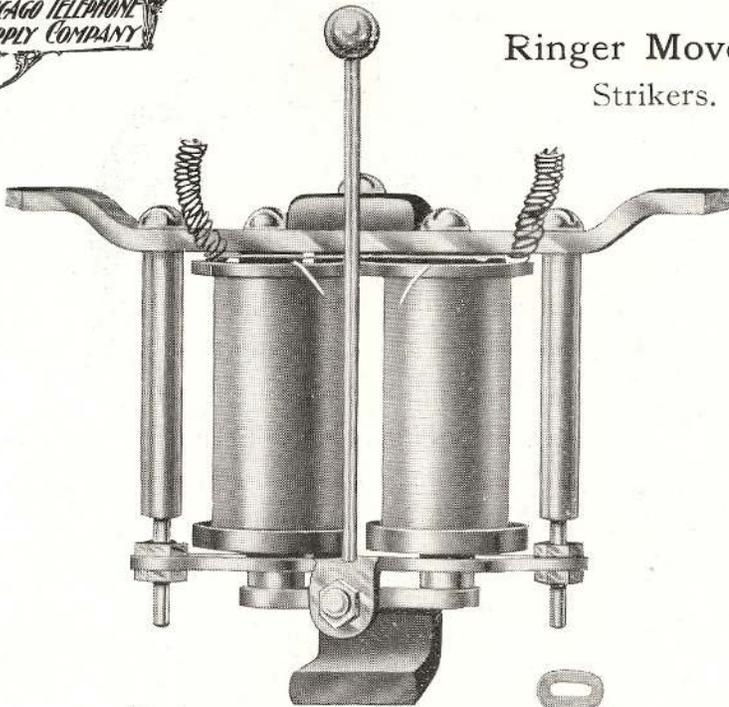
Chicago Six-Bar Generators



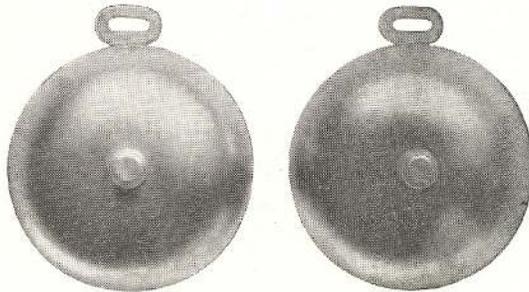
Bridging No. 2.

CHICAGO TELEPHONE
SUPPLY COMPANY

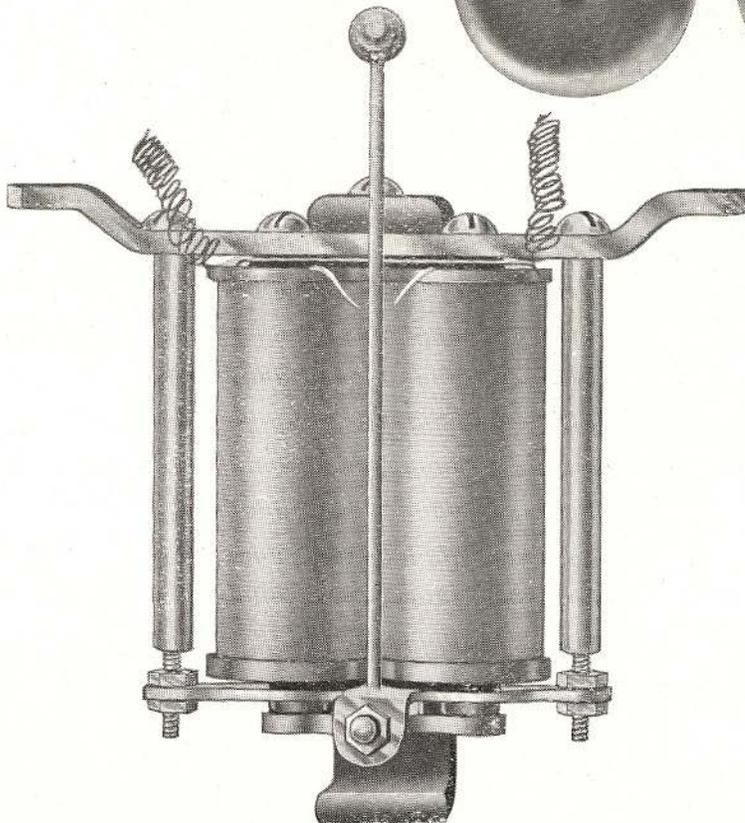
Ringer Movements Strikers.



Series.



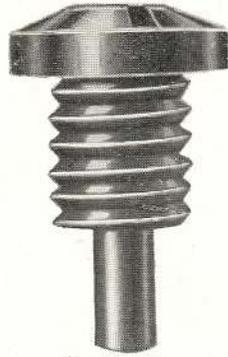
Gongs and
Supports



Bridging.

THE GREAT
MAIL ORDER FACTORY

Plug Board Parts



Socket.



Single Plug and Cord.

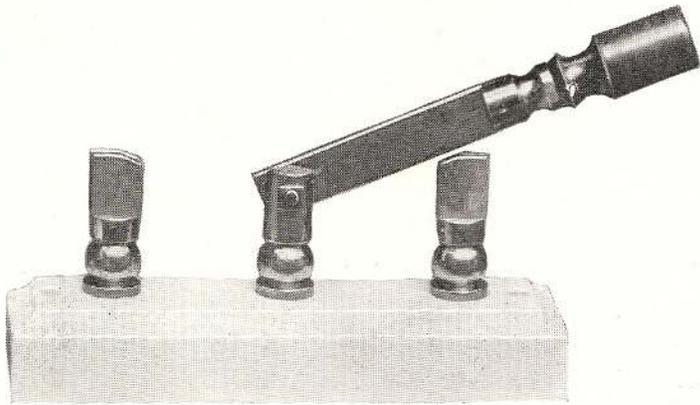


Double Plugs and Cord.

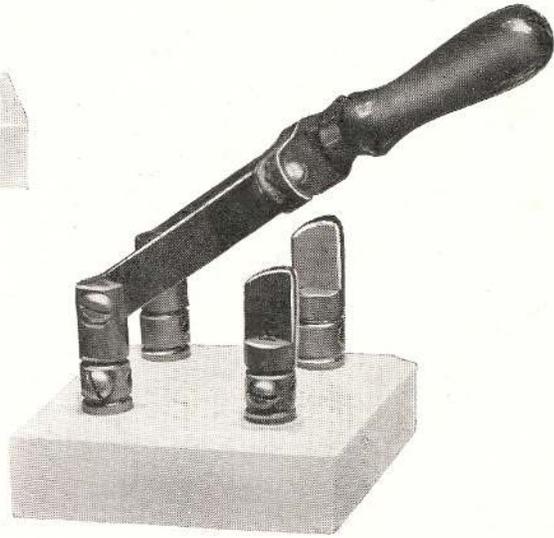


Plug.

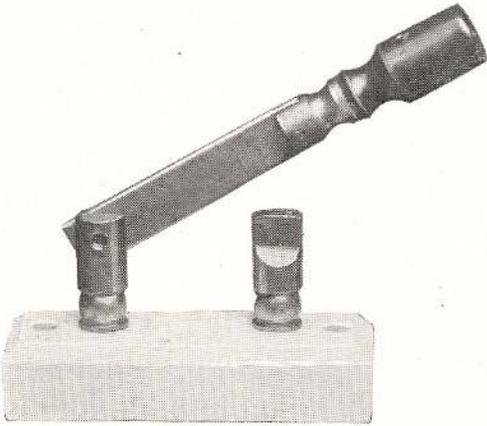
Knife Switches



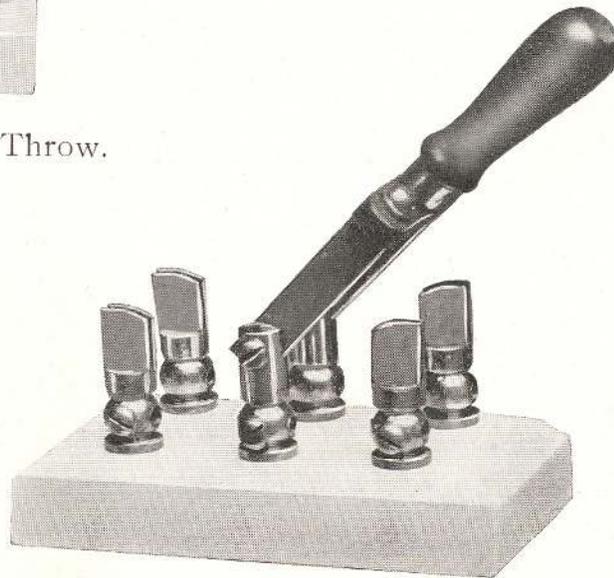
Single Pole, Double Throw.



Double Pole, Single Throw.



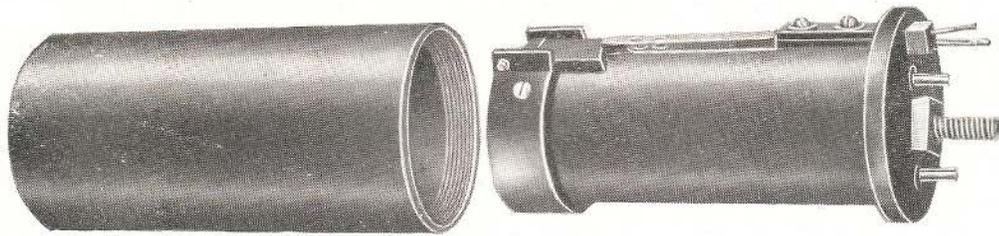
Single Pole, Single Throw.



Double Pole, Double Throw.



Visual Signal Line Target.



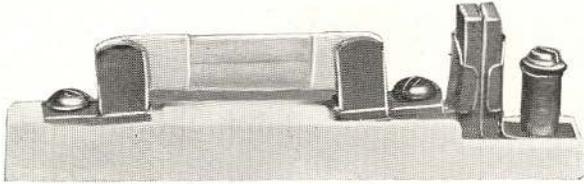
Relay.



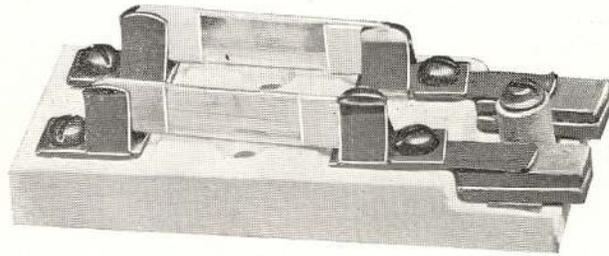
Pay Station Sign.



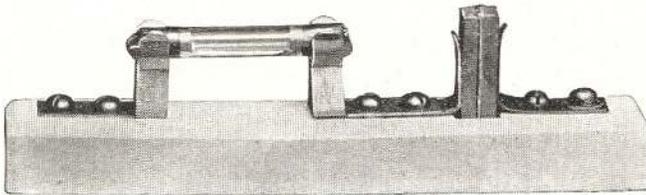
Fuse Blocks



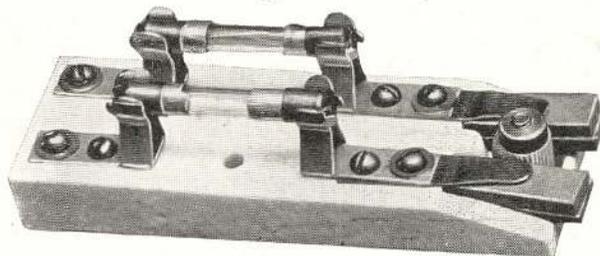
Standard Single Pole.



Standard Bi-Polar.

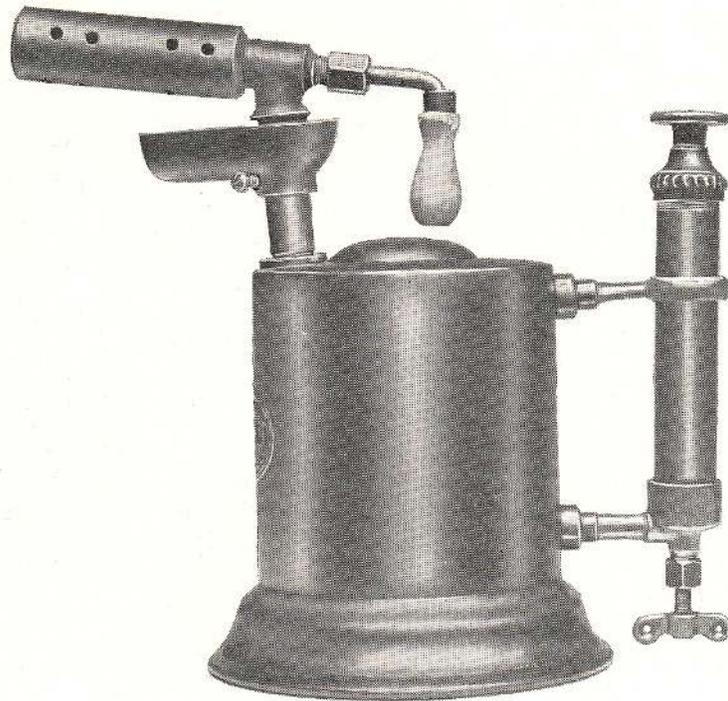


Chicago Single Pole.



Chicago Bi-Polar.

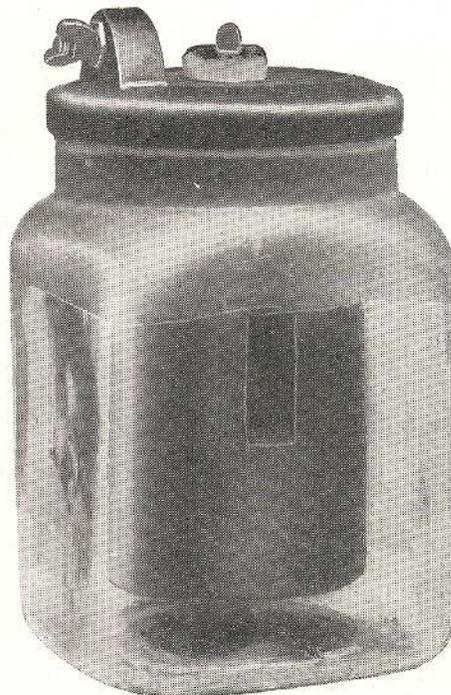
CHICAGO TELEPHONE
SUPPLY COMPANY



Hot Blast Torch.



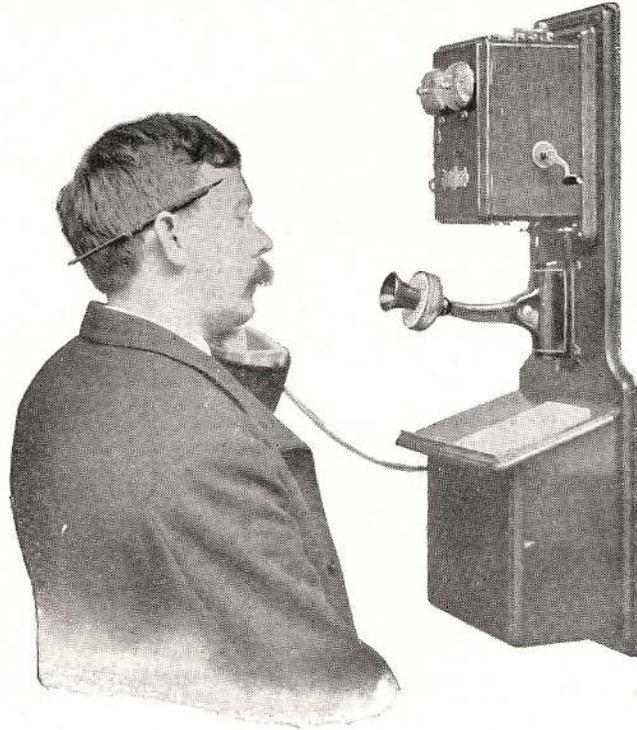
Dry Battery.



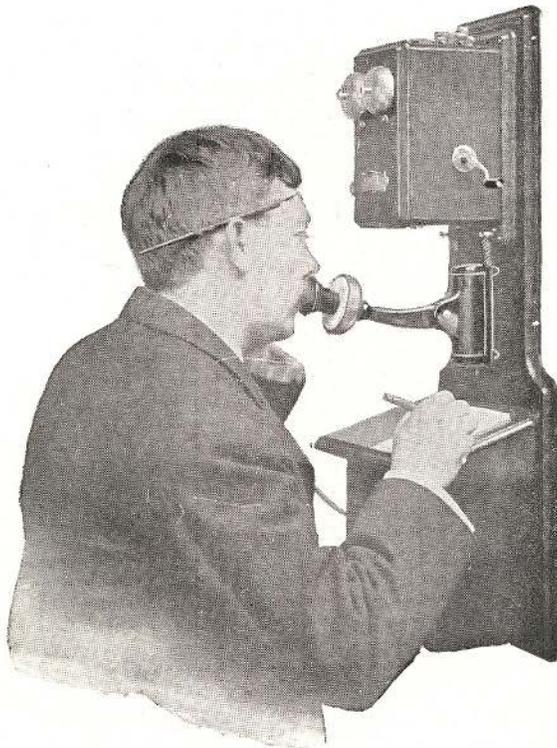
Wet Battery.

THE GREAT
MAIL ORDER FACTORY

How to Use a Telephone

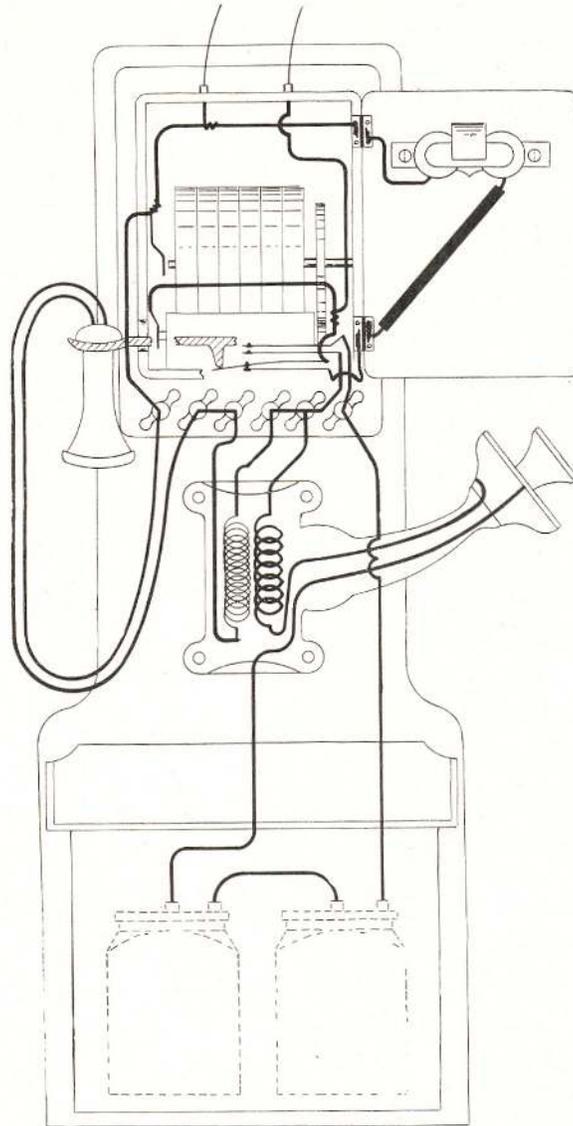


The Wrong Way.



The Right Way.

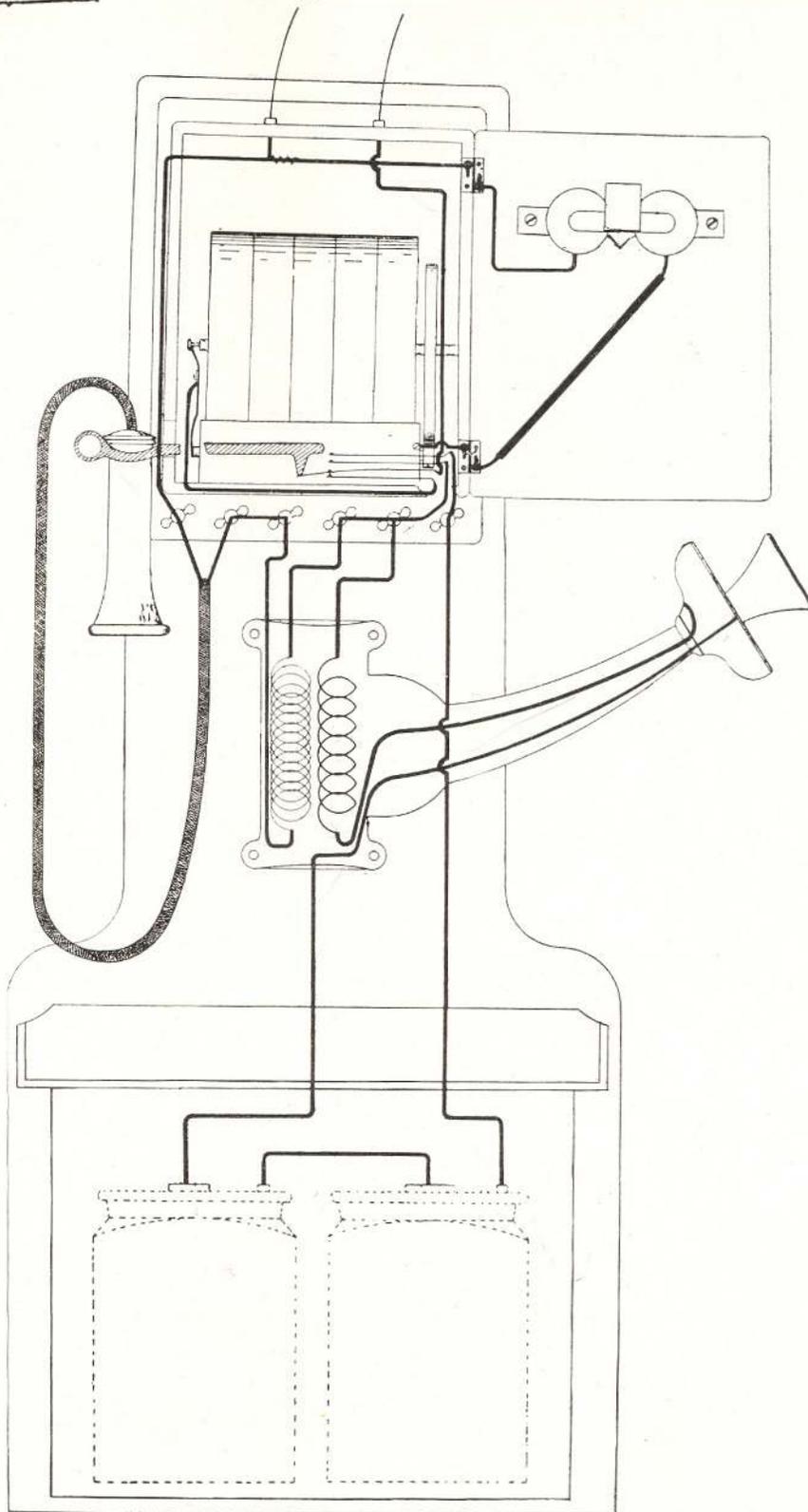
Diagrams



Wiring Diagram
Bridging FOR Telephone
CHICAGO TELEPHONE SUPPLY
CO.

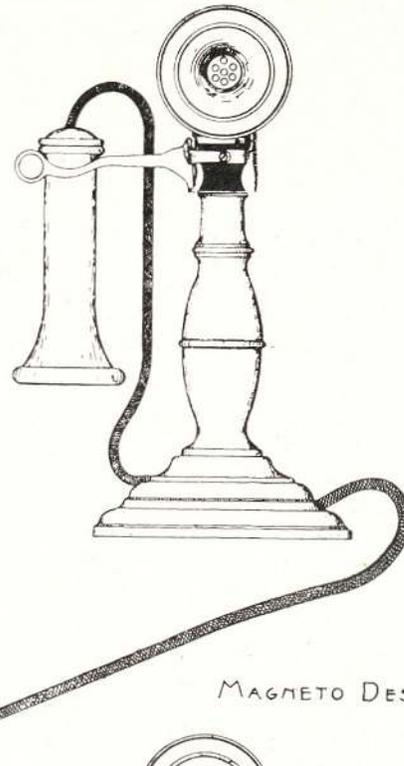
Bridging Telephone.

Diagrams---Continued

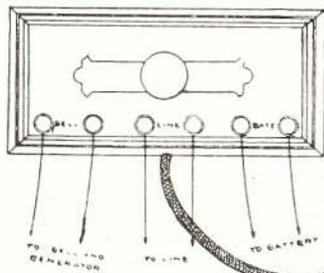


Series Telephone.

Diagrams---Continued



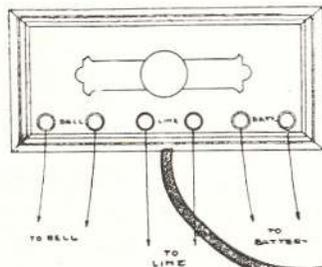
MAGNETO DESK SET



Magneto Desk Set
Terminal



BATTERY DESK SET



Battery Call Desk Set Terminal

Diagrams---Continued

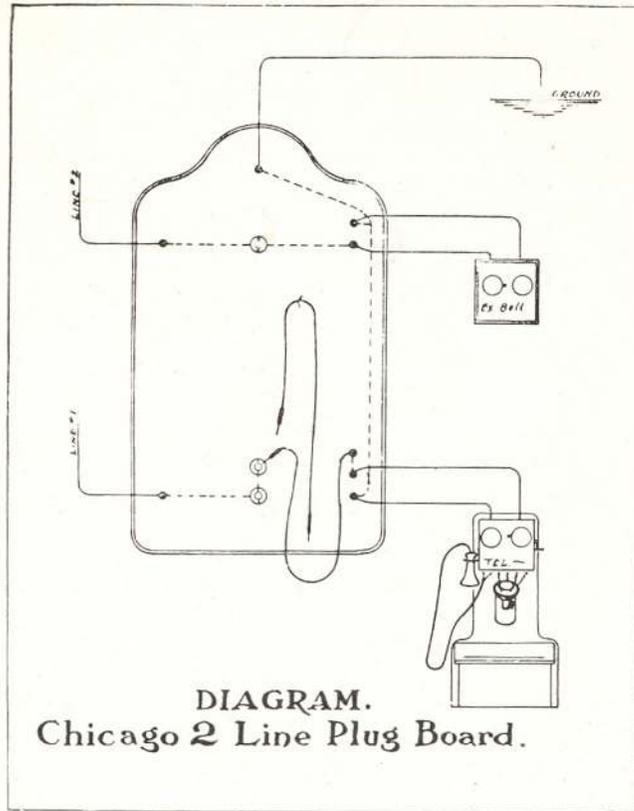


DIAGRAM.
Chicago 2 Line Plug Board.

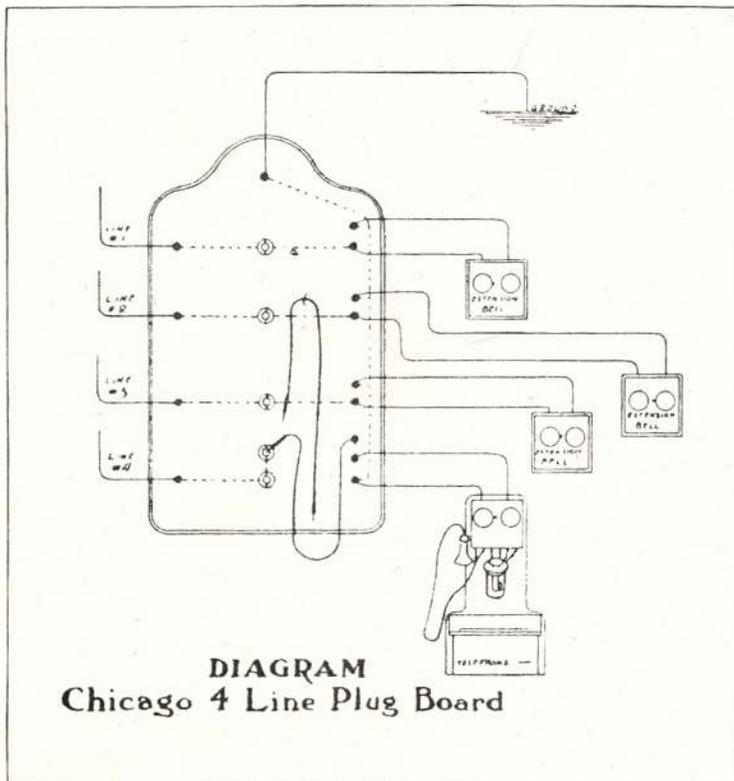
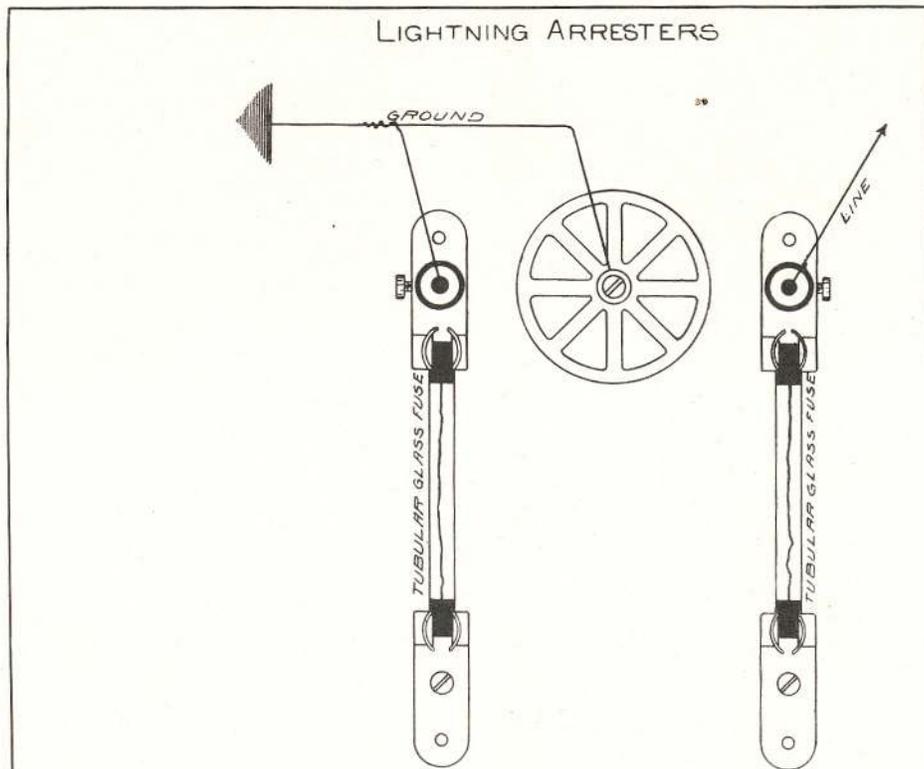


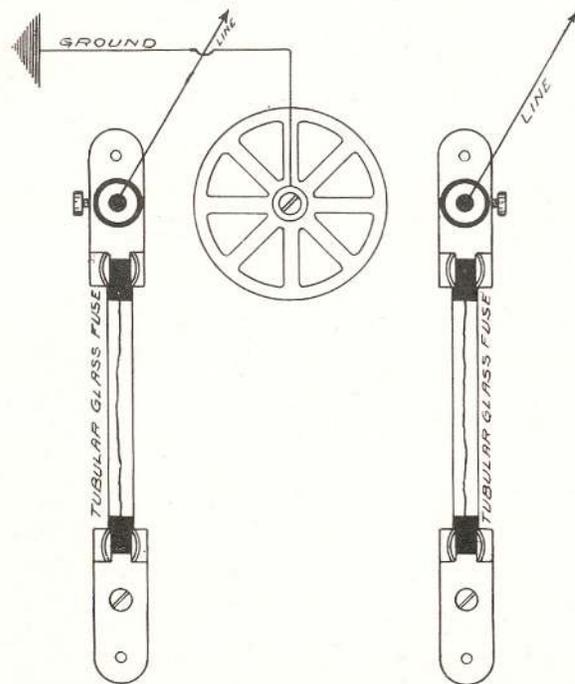
DIAGRAM
Chicago 4 Line Plug Board

Diagrams---Continued

LIGHTNING ARRESTERS



GROUND CIRCUIT



METALLIC CIRCUIT

LINE MATERIAL

Oak Brackets, painted, per 1,000.....	\$12.00
Oak Pins, painted, 1¼ inch, per 1,000.....	6.50
Cross Arms, 2¼ x 3½, bored 1¼ inch, per ft.....	3¼c
Pony Glass Insulators, per 1,000.....	12.50
No. 4 Porcelain Knobs, proper size for telephone work, per 1,000.....	7.00
No. 5, also used, per 1,000.....	6.00

WIRE—WRITE FOR PRICES.

TELEPHONE PARTS.

Oak B. B. & B. B. for dry cells.....	\$.90
Walnut B. B. & B. B. for dry cells.....	.95
Oak B. B. & B. B. for wet cells.....	1.05
Walnut B. B. & B. B. for wet cells.....	1.10
Transmitter Boxes, Oak or Walnut, with Lock.....	.35
Bell Composition Shell, very strong.....	.25
Bell Genuine Hard Rubber Shell .....	.45
Receiver Diaphragms .....	.03
Receiver Cord, three feet.....	.12
Transmitter Diaphragms .....	.07
Composition Mouthpiece .....	.07
Fine Induction Coil for Long Distance Work, long coil, specially made silk wound .....	.45
50 lots, 40c. We recommend this coil.	

BATTERIES.

Chicago Telephone Batteries	\$.30
La Clede Type Batteries, complete.....	.25
Carbon with Porcelain Bushing, 15c; 50 lots.....	.14
Le Clanche Battery, complete, 35c; dozen lots.....	.30
Genuine "Gonda", complete, 80c; 50 lots.....	.75
Crowfoot Battery, 60c; dozen lots.....	.55
Glass Jars for Chicago, 8c; Le Clanche, 7½c; Gonda, 15c; Crowfoot..	.23
Zincs for Chicago and Le Clanche.....	.03
Zinc for Crowfoot .....	.25
Blue Vitriol, per pound.....	.08
Sal Ammoniac, per charge or bag.....	.03

CONSTRUCTION TOOLS.

Eastern Climbers, best made, only.....	\$ 1.75
Leather Straps, only for above.....	.75
Haven's Patent Eccentric Clamp, hold to No. 6 B. & S. wire.....	1.25
Haven's Patent Eccentric Clamp, hold from No. 6 to ½ in. guy cable..	2.40
Lineman's Tool Belt .....	.75
Splicing Clamps, best	1.75
Always state size of wire.	
Side Cutting Pliers, six inch.....	.95
Side Cutting Pliers, eight inch.....	1.25
Add 25 cents if wanted nickel-plated.	
Electrician Scissors .....	.50
Novelty Pocket Screw Driver .....	.40
Novelty Pocket Knife .....	.40
Champion Screw Driver .....	.30

GENERAL SUPPLIES.

Solder, Wire, Triangular, etc., per pound.....	\$.25
Best Soldering Salts made, ½-pound bottle.....	.20
Iron Box Bells, best 2½ and 3 inch.....	.28
Iron Box Buzzer, best .....	.30

WRITE FOR PRICES ON INSULATED WIRE.

INDEX

	Pages		Pages
A Few Words	3-4	Knife Switches	69
Arm Transmitters	58	Lightning Arrester and Dis-	
Automatic Switch—		tributing Board	51
Common Battery	50	Line Material	79
Magneto Call	55	Line Target	70
Batteries	72	Magnetos	61-63
Battery Generator	59	Money Saved	8
Bell Type Express Switch		Ohm Meter	53
Boards	34-39	Operator's Key	50
Binding Posts	53	Parts	48-72
Bridging Generators	65-66	Pay Station Sign	70
Chicago Transmitters	9-56-57-58	Plug Board	41
Combined Telephone and		Plug Board Parts	68
Switch Board	39	Plugs—Express	50
Common Battery Equipment.	42-47	Receivers	54-55
Desk Sets—Five Bar	17	Relay	70
Desk Sets—Six Bar	25	Repeating Coil	53
Desk Sets—Series	30	Ringer Movements	67
Desk Sets—Interior	32	Series Generator	64
Diagrams	74-78	Series Telephones	21-30
Distributing Board	51	Six-Bar Bridging Telephones.	18-25
Drop and Jack	49	Switch Board Generator	60
Dry Battery	72	Switch Board Transmitter and	
Express Switch Board	34-39	Arm	60
Extension Bells	52	Switch Boards	34-44
Five-Bar Bridging Telephones	10-17	Switches—Knife	69
Fuse Blocks	71	Telephones—	
Generator—Battery	59	Common Battery	45-46-47
Generator Construction	5-6-7	Five Bar	10-17
Generator in Box	52	Intercommunicating	32-33
Generator—Switch Board	60	Interior	31-32
Generators	64-66	Series	26-30
Gongs and Supports	67	Six Bar	18-25
Guarantee	2	Terms	2
Head Band Receiver	55	Test Set	59
Hot Blast Torch	72	Toll Board	40
How to Use a Telephone.....	73	Transmitters	9-56-57-58
Intercommunicat'g Telephones	32-33	Wet Battery	72
Interior Telephones	31-32		

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