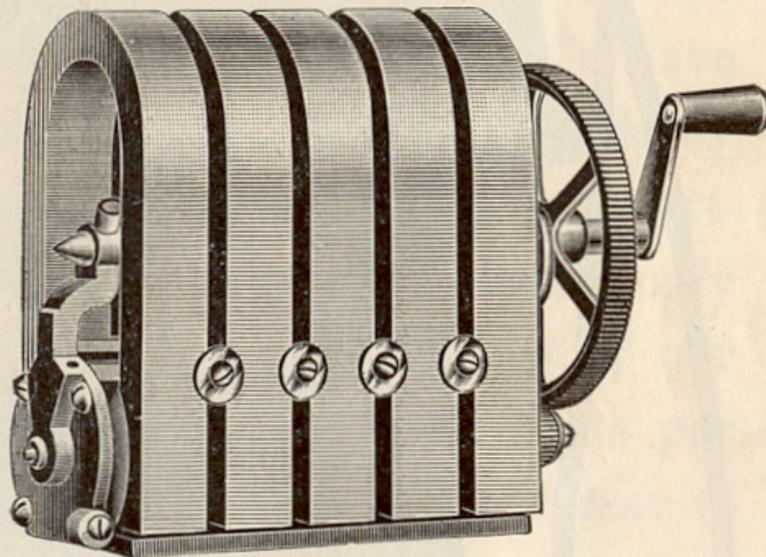


# Andrae "Giant" Telephones

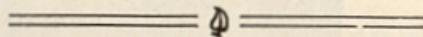
POWERFUL, SATISFACTORY  
HIGHEST QUALITY

Andrae  
Non-Packing Moisture-Proof  
Transmitters



"Andrae Giant," 5-Bar, 100,000 Ohm Generator.

Andrae Receivers. Permanently  
Adjusted



Julius Andrae & Sons Co.  
Milwaukee, Wis.



Andrae  
"Giant"  
Long Distance  
Telephone

No. 6 A  
Price, \$12.00

# Andrae "Giant" Telephones

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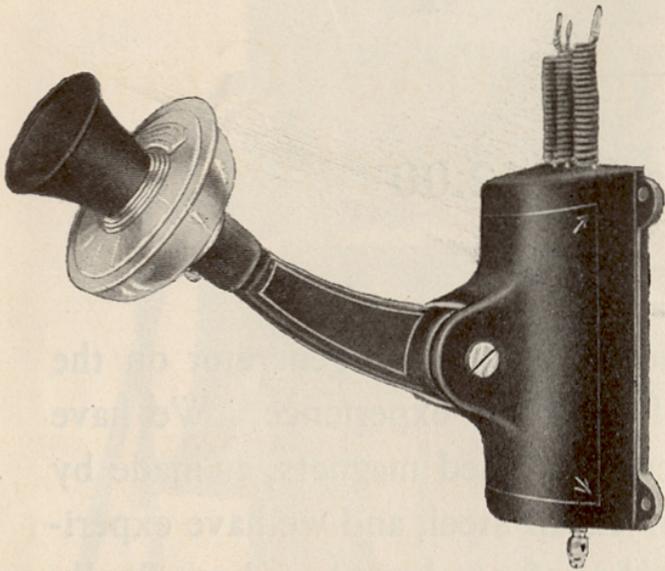
No. 6A. Price each, \$12.00

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We call it "Giant" because it has the most powerful generator on the market. Our generators are the result of years of experience. We have discarded generators of the hub iron variety combined magnets, as made by other manufacturers, and which are made of cheap steel, and we have experimented with all sizes of magnets and all makes of steel until we have finally settled on the grade of steel and size of magnets now used. Most of our competitors use a grade of steel which can be bought for 2 or 3 cents per pound and which can be easily bent into shape, and gives fairly good results when new. Our steel is hard to work and costs at least six times as much per pound, but it will last six times as long and our generator will ring stronger and a greater number of telephones than any generator on the market.

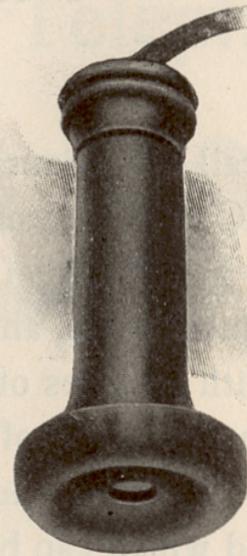
The armature, field pieces and all other parts are made of the best possible material obtainable. The bearings are of cast brass and hard enough to resist wear for years. Every generator is tested before leaving the factory, and unless it will ring through resistance equal to forty telephones on a 35-mile line, it is condemned and not put into use. This alone should convince you that you want to buy Andrae Telephones.

## ANDRAE TRANSMITTERS



The transmitter is a very important part of a telephone. All transmitters are good transmitters when new. Very few of them work or give any kind of satisfaction after being used for a year or two. Andrae transmitters are guaranteed to work as well in ten years as the day they are sold. A good transmitter is worth its weight in gold. There are thousands of transmitters on the market, and there are more coming. Our competitors offer you a new transmitter every month. Why? The old one did not give satisfaction, and it's a question whether the new one is any better. You paid for the old one and are asked to pay for the new one. We guarantee our transmitter in every way. If it is not perfectly satisfactory, we return your money. Andrae Transmitters are free from side talk, positively will not pack—will not "fry" or "sizzle"—and articulate distinctly at all times.

## ANDRAE "SOLID" RECEIVERS



Are called "*Solid*" receivers because they are permanently adjusted, are simple in construction and are the best sound-reproducers made. No screws to loosen, no caps or binding posts to loosen, no threads to strip, no shells to crack. Good magnetos, good transmitters and poor receivers do not make good telephones. We combine *good magnetos, good transmitters, good receivers*, producing *Perfect Telephones*.

## FINISH

Every part, no matter how small or unimportant, receives the same careful consideration and attention that the more important parts receive. All connections are carefully soldered, all platinum (not platinoid) contacts used throughout. Metal parts finely finished and accurately fitted. Back boards and battery box are made of finest quality oak, highly finished.

## SPECIAL

Buy a telephone that you can use all the time, today, tomorrow, next year or in ten years. Buy a telephone with a generator that will ring through your entire line—20 miles, 30 miles, 40 miles. One telephone, 10, 20 or 45, grounded or metallic line—they all have to ring when you use the ANDRAE "GIANT" GENERATOR.



REGULAR EQUIPMENT  
OF No. 4 A AND No. 6 A

# Andrae "Giant" Telephones

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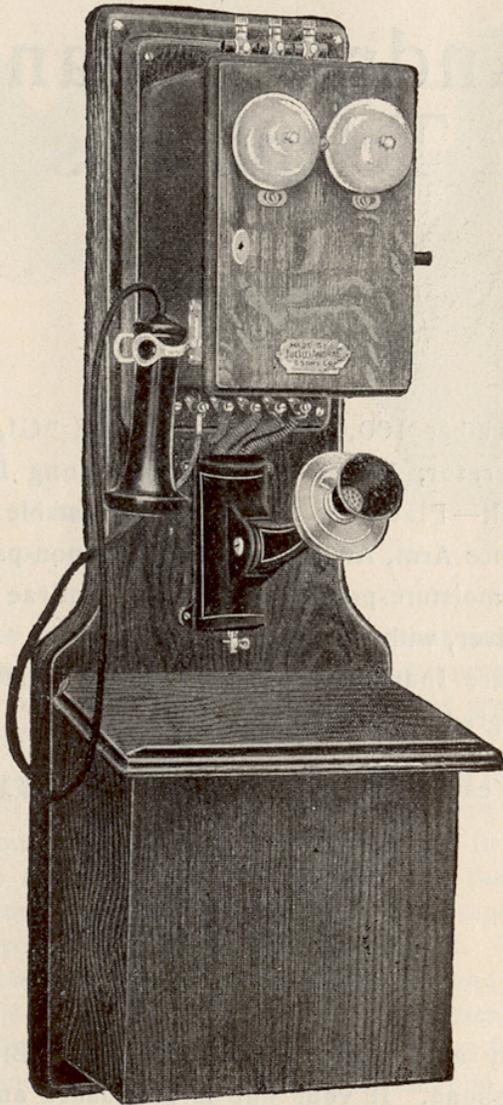
Five-bar 100,000 ohm ANDRAE "GIANT" Generator, 1,600 ohm ringer. Long Lever Switch—Platinum Contacts. Adjustable long-distance Arm, Andrae long-distance, non-packing and moisture-proof Transmitter. Andrae Solid Receiver, with concealed binding posts. Long-distance Induction Coil. Wet or Dry Batteries, high-grade oak finish.

Price each . . . . . **\$12.00**

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Try a sample ANDRAE "GIANT" Bridging Telephone. If your line is overloaded and you cannot ring through, try the Andrae Giant 100,000 ohm Telephone. It does the work and the price is right.

ANDRAE LONG DISTANCE  
TELEPHONE



No. 4 A

Price, . . . . . \$12.00

Andrae  
"Giant" Telephone

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No. 4 A. Price each, \$12.00

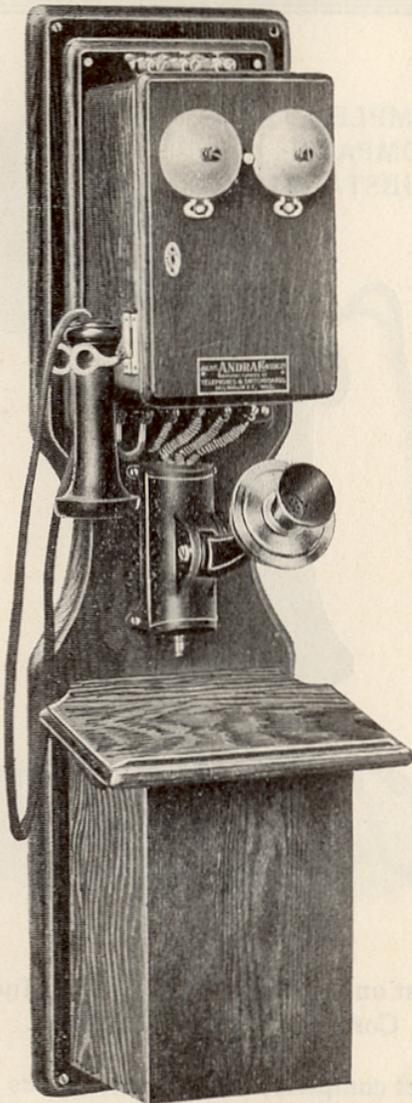
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This telephone is equipped with our "Giant" 5-bar Generator, Andrae Non-packing Transmitter, Andrae Solid Receiver, and receives the same careful attention in construction and material that characterizes all Andrae products.

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The difference in the No. 4 A and No. 6 A Telephones consists in the style of the back boards only. The No. 4 A is furnished with a wide back board and 2 wet-cell or 3 dry-cell batteries. The No. 6 A is furnished as illustrated in cut, with 3 cells dry battery only.

# ANDRAE SERIES EXCHANGE TELEPHONE



No. 2 A

Price, . . . . . \$9.00

# Andrae Series Exchange Telephones

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## No. 2 A

Regular Series Exchange Telephones. Equipped with Andrae long-distance, non-packing and moisture-proof Transmitter; Andrae Solid Receiver; long-lever switch hook; 3-bar generator, 1 cell wet or 2 cells dry batteries.

Price . . . . . \$9.00

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## No. 5 A

Compact Type Series Telephone. Same as No. 2 A, but can be furnished with 2 cells dry battery only.

Price . . . . . \$9.00

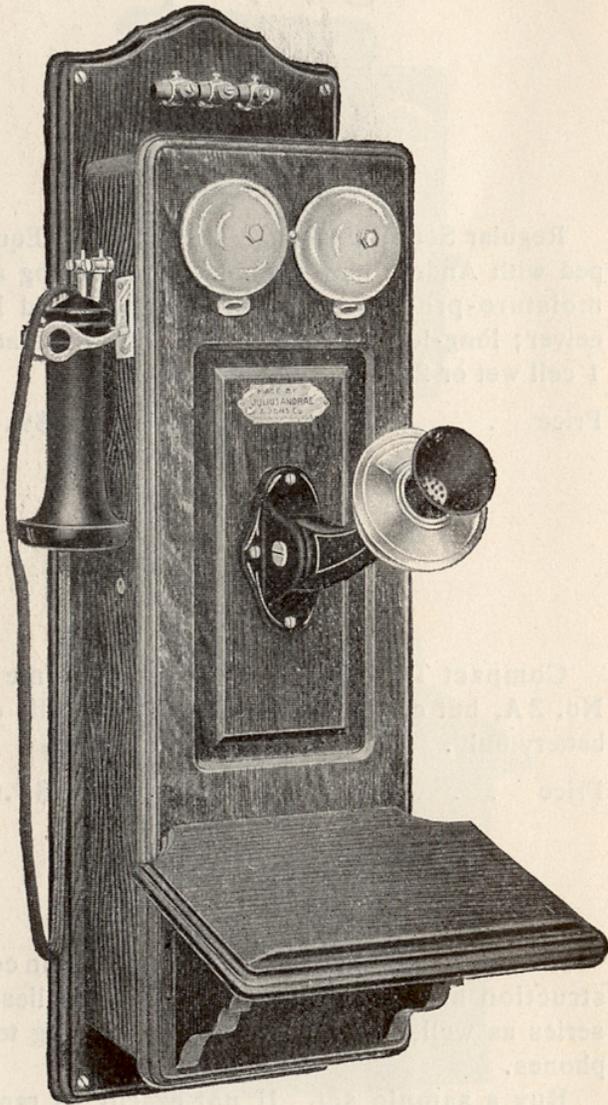
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The same careful consideration of detail in construction and selection of material applies to series as well as to long-distance bridging telephones.

Buy a sample set. If not exactly as represented, send them back.

(Illustration of No. 5 A on next page.)

ANDRAE SERIES  
TELEPHONE

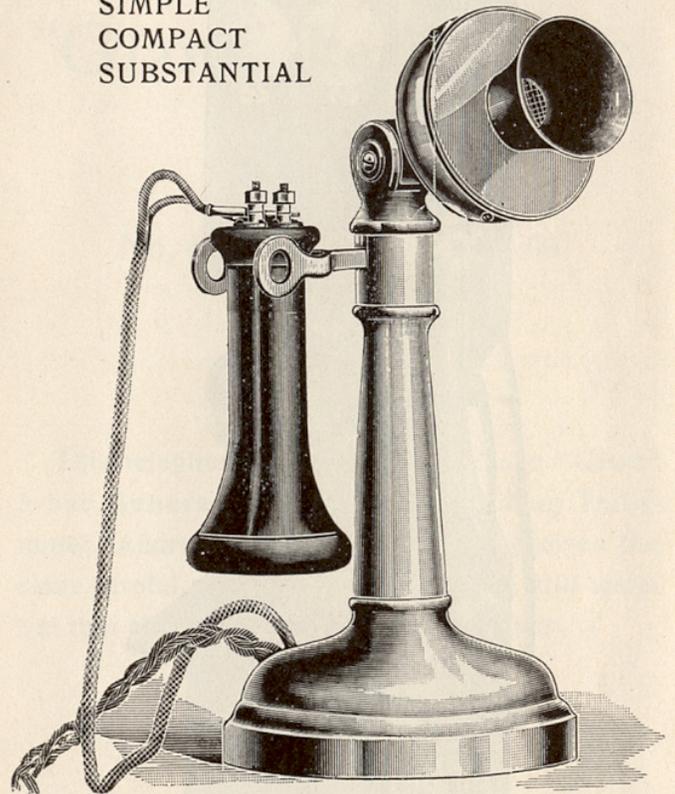


No. 5 A

Price, . . . . . \$9.00

Andrae Desk Set

SIMPLE  
COMPACT  
SUBSTANTIAL



Desk Set only, as per cut, including Induction  
Coil, Cord and Terminal Block . . \$7.00

Desk Set complete, with Andrae Series Gener-  
ator and Extension Bell . . . . \$10.50

Extra for Bridging Set, including 5-Bar, 100,-  
000 Ohm "Giant" Generator, 1,600 Ohm  
Ringer, . . . . . \$2.50

WE MANUFACTURE  
Telephones  
Telephone Switchboards  
Telephone Supplies

LARGE STOCK  
PROMPT SHIPMENTS  
LOWEST PRICES

Write for our complete Telephone Catalog.  
Prices and estimates of cost of  
line for the asking.

Most concerns experiment at the buyers' expense.

We pay for our own experiments. Have  
done so for ten years, or ever since  
we have been making telephones.

If our telephones are not ex-  
actly as represented we  
want you to return  
them. We never  
have had any  
returned.

DO NOT PAY FOR THE MAKERS' EXPERI-  
ENCE. BUY FROM AN EXPE-  
RIENCED HOUSE.

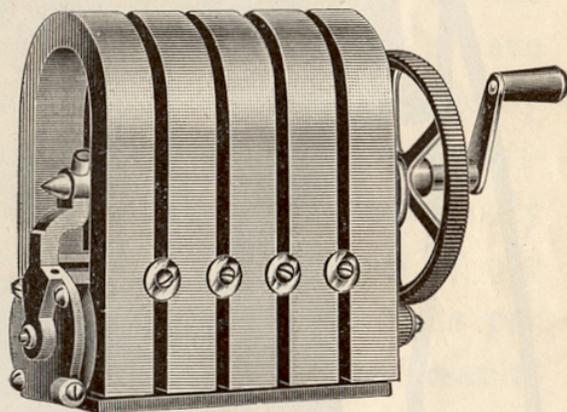


Julius Andrae & Sons Co.  
MILWAUKEE

Andrae  
"Giant" Telephones

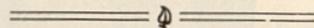
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