

**STROMBERG-CARLSON**

# Telephones



For sixty years the Independent industry has relied on Stromberg-Carlson Telephones. They are found in modern skyscrapers and underground mines; in city apartments and scattered farms. The complete line includes common battery dial or manual instruments for either desk or wall; multi-line telephones for better office communication. Magneto and Iron-clad sets for companies using this service.

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**TELEPHONES**

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# STROMBERG-CARLSON TELEPHONES

## **Eye Appeal**

Graceful, low, modern. Short, light handset. Extended dial number plate.

## **Dependability**

High fidelity on extended loops. Completely waterproof. Perfectly mated ringer and capacitor.

## **Multi-Purpose**

Same instrument, desk or wall, dial or manual. Universal housing and parts.



Revised 6-15-54

## THE 1500 SERIES TELEPHONES

The new Stromberg-Carlson 1500 Series Telephones offer the operating company today's most advanced telephone instruments: in outward appearance, mechanical design, and operating efficiency.

Retaining those features of the 1400 Series Telephones that have earned widespread acclaim, the 1500 Series Telephone incorporates additional features which answer the specific needs in the industry.

The 1500 Telephones feature a new, graceful handset, lighter and shorter. The ringing capacitor is now mounted on the ringer base, thus making it an integral part of the ringer assembly.

Features retained from the 1400 Series include: dual use of the same instrument as a desk or wall type telephone; the extended number plate which makes it easier to dial; the well-known Stromberg-Carlson dial, the pioneer with the plastic dust cover and service door; and the sturdy housing made from Tenite II.



### No. 1543 Telephone

The No. 1543 Telephones are the standard models in the 1500 Series. They are available for either manual or dial, and can be mounted on either a desk or a wall. Standard telephones are furnished with the plungers used for desk installation; however, plungers for wall operation are available in Package Assembly 211650. This package assembly consists of two plungers, and four mounting screws. Dial blanks and adapters are furnished as standard equipment unless the instruments are ordered equipped with dials. The No. 1543 Telephones may be equipped with tuned frequency or straight line ringers. When desired, the No. 1543 Telephone will be furnished with a two-step hookswitch. Provision is made for including ringing tubes when desired.



**THE HOUSING**—The housing for the 1500 Series Telephones is made from a tough thermoplastic, Tenite II. This material has been chosen because of its light weight, its great strength, and its ability to retain its lustre. All operating components of the telephone are conveniently mounted on the base, thereby allowing the housing to serve its proper function — that of a cover only.



**THE HANDSET**—The handset is the most obvious new feature in the 1500 Series Telephones. The new, shorter handset accentuates the flowing lines of the housing to achieve the perfect combination in modern design. Transmission is improved by the simple expedient of bringing the mouthpiece closer to the subscriber's lips.

The transmitter capsule is smaller in size than the transmitter in the 1400 Series Telephones. The new transmitter has a longer life brought about by the use of new age stabilized carbon in the capsule. As in the previous models, the transmitter capsule is non-positional; connection is established through precious metal spring contacts. Once dropped into place, it is held firmly by the mouthpiece.

The receiver capsule in the 1500 Series is connected by screws to the spade terminals of two cords running through the handle of the handset. After connection, the receiver is held rigidly by the earcap.

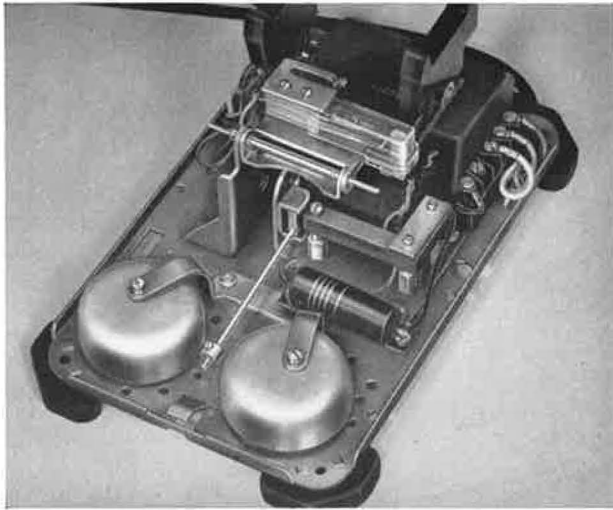
**THE DIAL**—The dial and extended number plate add beauty and practicality to the 1500 Series Telephones. On the extended number plate, the letters and digits are located outside the periphery of the fingerwheel. This provides greater visibility and, at the same time, keeps the letters and digits from being scratched or marred during dialing.

The time-tested Stromberg-Carlson dial, with the original dust cover, affords the best protection to delicate working parts and the assurance of long, trouble-free service.



STROMBERG-CARLSON

## 1500 SERIES TELEPHONES — (Cont.)



**INTERIOR PARTS—NO. 1543 TELEPHONE**—When the housing is removed, the 1500 Series Telephone is revealed as a compact operating unit. The dial and its bracket can be unhooked as a unit and laid aside without disconnecting any wires; it is then very simple to service any component part.

**THE RINGER**—The 1500 Series Telephone uses a single coil, high impedance ringer which is advantageous on heavily loaded or noisy lines. The ringing capacitor is mounted on the ringer base, thus making it an integral part of the ringer assembly. Perfectly mated ringers and capacitors can be replaced as a unit.

Two large-sized gongs are used for full volume signaling. A three positional switch, protruding through the base of the telephone, is available with straight line ringers to control the signal volume without distortion or annoying clatter.

Ringers are available in four groups—Straight Line, Harmonic, Synchronomic, and Decimonic. Provision is made for including standard Western Electric Ringing Tubes, employed in superimposed ringing systems.

**THE HOOKSWITCH**—The hookswitch in the 1500 Series Telephones operates without any complicated linkages and is completely independent of the housing. The precious metal twin contacts are protected by a transparent dust cover. A separate coil spring restores the hookswitch. The design of the plungers prevents a cord under the handset from interfering with the proper operation of the hookswitch.

**TWO-STEP HOOKSWITCH**—The two-step hookswitch is also available in the 1543 Telephones. Known as the "Farmer's Friend," this arrangement allows a subscriber to monitor his own line to determine if it is busy, without connecting his transmitter to the line. This has the further advantage in dial systems of permitting a party line subscriber to determine if the line is free without mutilating the dial pulses of a call already in progress.

**COIL-CAPACITOR UNIT**—The coil-capacitor unit, in the 1500 Series Telephones, consists of a plastic housing in which the induction

coil, resistor, and talking capacitor are embedded in hydrolene, a dense tar-like compound. This design protects the apparatus from mechanical injury as well as excessive humidity, and is therefore particularly desirable in hot, damp climates. Tests conducted under water have demonstrated the reliability of this unit. Terminals, plainly marked, show proper connections for the line and handset cords as well as the hookswitch, ringer, and dial.

**THE CONNECTING BLOCK**—This connecting block is the same block that was supplied with the telephones in the 1240 and 1400 Series. Designations "R," "G," "Y," and "B" are clearly marked on the base. Openings are provided for interconnecting the line and stations, for bringing line cord and station wires through the cover, and for bringing station wires through the back of the block. Mounting screws are included in the assembly.

**CORDS**—Both the handset cords and the line cord on the 1500 Series Telephones have natural rubber insulated tinsel conductors with an exterior jacket of Neoprene. The construction of the conductors and the Neoprene jacket give these cords greatly increased life, with less tendency to kink.



Rotate dial 180°.



Fasten to wall.

**CONVERSION FROM DESK TYPE TO WALL TYPE TELEPHONE**—It is easy to convert the 1500 Series Telephone from a desk type to a wall type with a screwdriver as the only tool and Package Assembly 211650 as the only parts necessary. The package assembly consists of two wall type plungers and four mounting screws for attaching the instrument to the wall. The following steps make this simple conversion.

1. Remove the housing
2. Install wall type plungers
3. Rotate dial 180°, using other set of holes in bracket when mounting
4. Fasten base to the wall
5. Replace the housing.

The 1500 Series Telephone thus affords a real saving in both time and

inventory; one instrument in the storeroom, one instrument in the installer's truck. Greatly improved customer relations are a natural outgrowth of this choice of mounting made possible in the design of the 1500 Series Telephones.



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## 1500 SERIES TELEPHONES — (Cont.)

**TELEPHONES FOR MANUAL SERVICE**—The 1500 Series Telephones are designed to fit the normal growth from manual to dial service. The 1500 Series Telephone has already been provided with space for the dial, either using the extended number plate or the older small dials. All other features—the housing, handset, ringer, coil-capacitor unit and the hookswitch—are identical in both manual and dial instruments. Thus the 1500 Series represents, for the company not yet ready for dial operation, the best investment for the future.

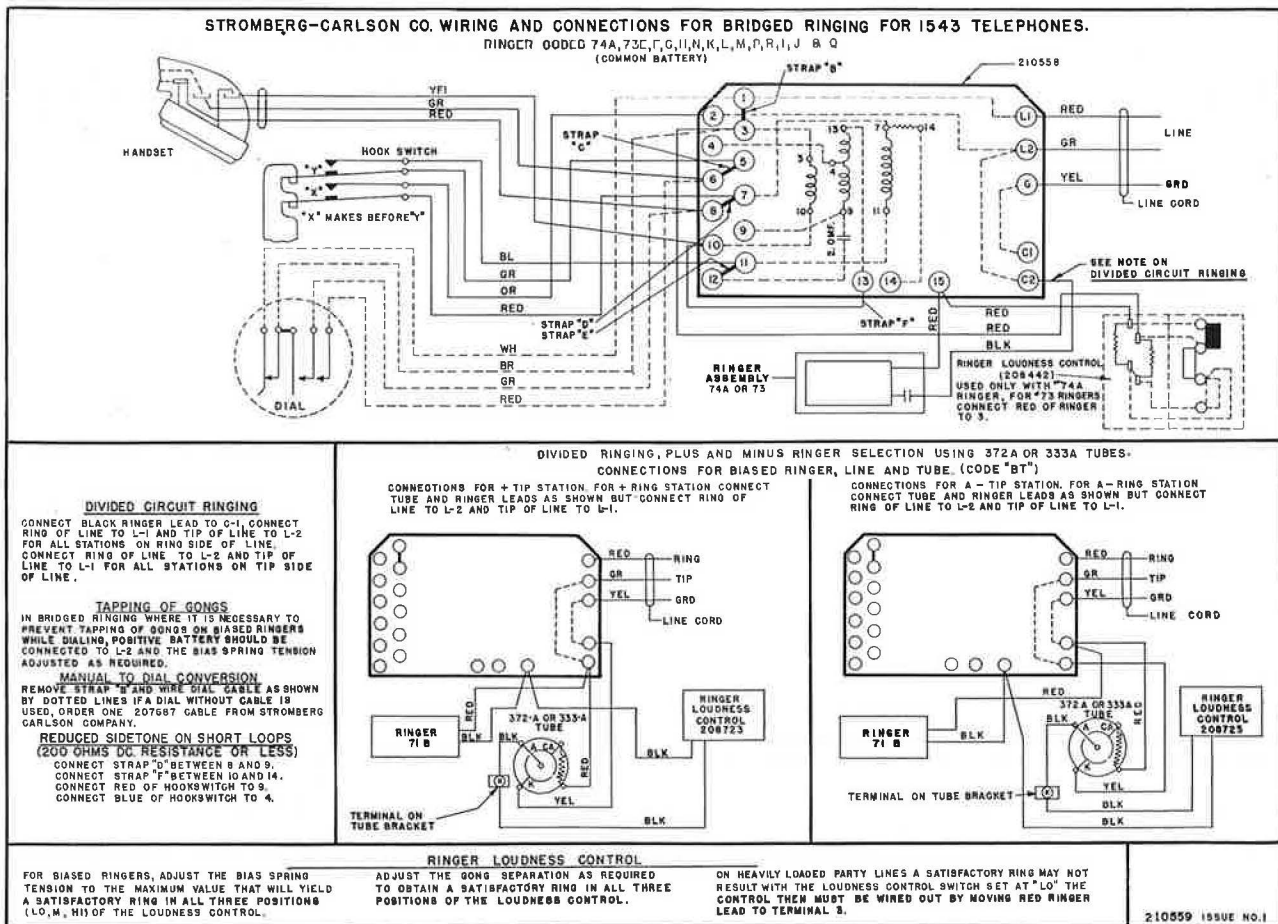
**DIAL BLANK**—The dial blank is a small cap that closes the opening reserved for the small dial. The same station card and holder fits both the blank and the dial. To install a small dial, only this blank is removed and the dial is mounted in the adapter.

**THE ADAPTER**—The adapter is molded of black Tenite II to match the housing. It permits the use of the older small dials. The adapter, with small dial, mounts on the same bracket as the new large dial. A gasket provides a dust-tight seal between the housing and the dial or adapter. To convert to the new large dial, both adapter and dial blank are removed.



The No. 1543 Telephone equipped for Manual service.

Wiring and connections for the No. 1543 Telephone.



## 1500 SERIES TELEPHONES — (Cont.)

## STOCK AND CODE NUMBERS OF TELEPHONES

## No. 1543, For Desk or Wall

## Regular Instruments

## Two-step Instruments

## Straight Line

Stock No.	Code	D.C. Resistance of Ringer Winding	Stock No. of Ringer	Code	Stock No.	Code
211452	(1543)	No Ringer Included	No Ringer Included		211531	(2-1543)
211466	(1543A)	5900 Ohms.	207684	(74A)	211545	(2-1543A)
*211467	(1543BT)	3670 Ohms.	208722	(71B)	*211546	(2-1543BT)

\*With W. E. No. 333-A or No. 426-A Tube

## Standard Harmonic

Stock No.	Code	Frequency	Stock No. of Ringer	Code	Stock No.	Code
211454	(1543E)	16 $\frac{2}{3}$ Cyc.	210671	(73E)	211533	(2-1543E)
211459	(1543N)	25 Cyc.	210672	(73N)	211538	(2-1543N)
211455	(1543F)	33 $\frac{1}{3}$ Cyc.	210673	(73F)	211534	(2-1543F)
211456	(1543G)	50 Cyc.	210674	(73G)	211535	(2-1543G)
211458	(1543H)	66 $\frac{2}{3}$ Cyc.	210683	(73H)	211537	(2-1543H)

## Synchronomic

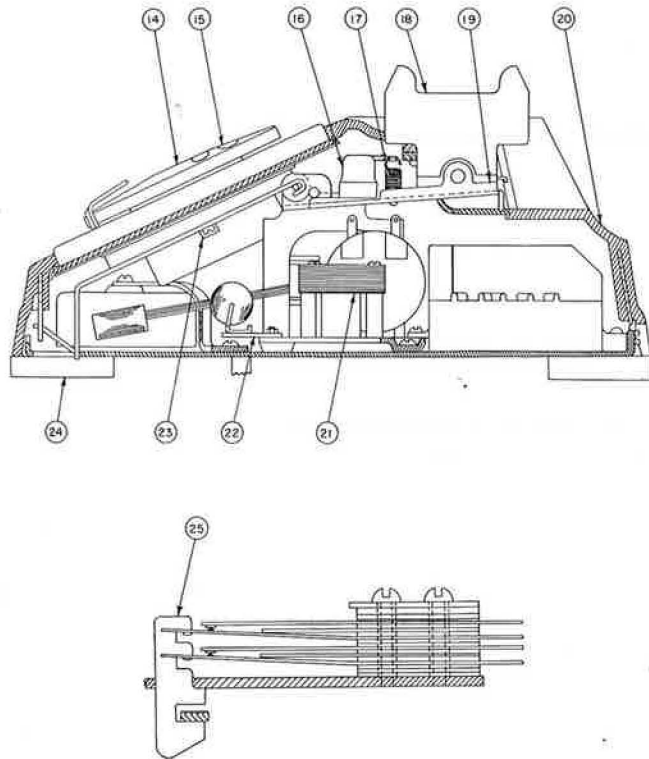
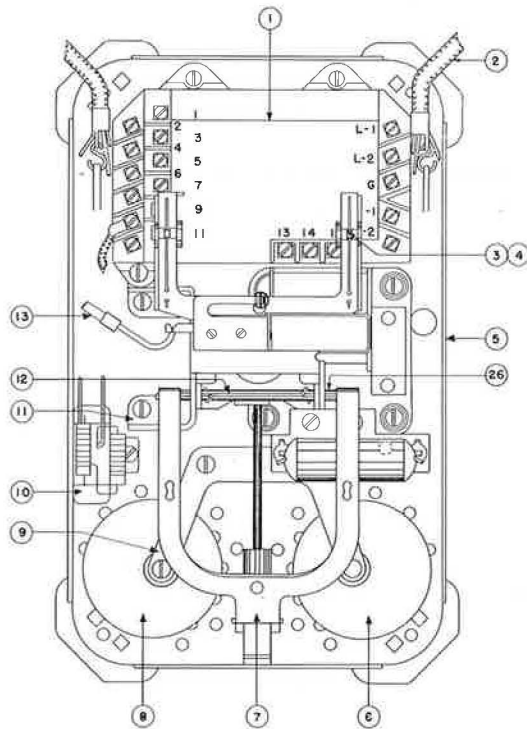
Stock No.	Code	Frequency	Stock No. of Ringer	Code	Stock No.	Code
211464	(1543R)	16 Cyc.	210676	(73R)	211543	(2-1543R)
211460	(1543K)	30 Cyc.	210677	(73K)	211539	(2-1543K)
211461	(1543L)	42 Cyc.	210678	(73L)	211540	(2-1543L)
211462	(1543M)	54 Cyc.	210679	(73M)	211541	(2-1543M)
211463	(1543P)	66 Cyc.	210680	(73P)	211542	(2-1543P)

## Decimonic

Stock No.	Code	Frequency	Stock No. of Ringer	Code	Stock No.	Code
211453	(1543I)	20 Cyc.	210681	(73I)	211532	(2-1543I)
211460	(1543K)	30 Cyc.	210677	(73K)	211539	(2-1543K)
211465	(1543Q)	40 Cyc.	210682	(73Q)	211544	(2-1543Q)
211456	(1543G)	50 Cyc.	210674	(73G)	211535	(2-1543G)
211457	(1543J)	60 Cyc.	210683	(73J)	211536	(2-1543J)

Stromberg-Carlson telephones, 1500 Series, may be easily converted from desk type to wall type. A package assembly, Part No. 211650, is all that is necessary to make this conversion. There is also a package assembly for converting the 1543 Standard Telephones (and 1443 Type) to Two-Step operation. Order Part No. 209328. Package Assembly 211681 is available for converting the 1543 Type Telephone to two-step hookswitch operation for Divided Circuit tuned ringing.

## 1500 SERIES TELEPHONES — (Cont.)



### Parts List — 1543 Telephone

Diagram Ref. No.	Stock No.	Description
<b>Telephone Parts</b>		
1	210558	Coil-Capacitor Assembly
2	211304	Line Cord (WDR-3J)
5	207678	Base
10	208442	Volume Switch Assembly
20	207752	Housing
	209327	Housing for telephones equipped with two-step hookswitch (not shown)
24	207667	Foot Assembly
<b>Hookswitch Group</b>		
3	207679	Bearing Pin
26	211152	Bearing Pin
4	211153	Plunger Retaining Spring
11	207672	Bracket (Hookswitch)
12	208429	Retaining Spring
13	207688	Cable, Hookswitch
16	207706	Dust Cover, Hookswitch
17	207681	Restoring Spring
18	211121	Plunger, Desk Type (standard)
	211147	Plunger, Wall type (not shown)
19	207674	Lever
25	207704	Pusher, Hookswitch Spring Pile-up
	209015	is the complete hookswitch Assembly for mail orders
<b>Ringer Group</b>		
<i>(refer to Ringer Section on following pages)</i>		
6	207745	Gong Assembly (Lo)
8	207744	Gong Assembly (Hi)
9	207741	Bracket, Gong Mounting
21	Ringers per Code—refer to Ringer Section	
22	Capacitor Assembly—refer to Ringer Section	
<b>Dial Group</b>		
<i>(refer to Dial Section on later pages)</i>		
7	207673	Bracket, Dial Bracket
14	211346	Station Number Card Package Assembly used with
15	208137	Dial Blank Assembly
	207760	Dial (CE-210)
	207761	Dial (CE-211)
	207762	Dial (CE-212)
	Order 211232 Station Number Card Package Assembly when ordering dials	
23	203052	Cable Clamp
<b>Handset</b>		
<i>(For complete description and parts list, refer to Handset on subsequent pages)</i>		
	211361	Handset (26C)

**STROMBERG-CARLSON COLORED TELEPHONES**

Colored telephones, styled by Stromberg-Carlson, are now available to telephone operating companies. These instruments, offered in a wide range of colors, will please subscribers and will also be a source of extra revenue.

This complete line of colored instruments comes in two distinctive styles—one in full color featuring matching handset, housing, and dial; the other offering colored housings which will convert present black telephones into colorful two-toned instruments. Both styles will blend with and add beauty to their surroundings. As an additional feature both styles are convertible to wall mounting.

**FULL COLORED TELEPHONES**

Available in eight decorative colors, these telephones are new additions to the 1500 Series line and embody all features and advantages that are found in their companion black telephones. In addition, these telephones are the high-efficiency "W" type instruments that improve transmission on long loops. Each instrument is equipped with a matching colored Coiled Kord and a scratch-proof dial with a satin-chrome finger wheel. The extras that are made standard in the full-colored telephones will make these instruments preferred by your subscribers.



The eight decorator colors will match and harmonize with color schemes either in the home or place of business. These colors are:

- |                |               |
|----------------|---------------|
| Desert Beige   | Olive Green   |
| French Blue    | Antique Ivory |
| Chestnut Brown | Chinese Red   |
| Dove Gray      | Canary Yellow |

Stromberg-Carlson full-colored telephones can be quickly and easily converted to wall-mounting.

**FEATURES**

**EACH TELEPHONE** employs high efficiency "W" type transmission. This type provides each instrument with a 5 db. gain over standard telephones on long loops. The telephone is a complete-

ly balanced instrument that insures even transmission levels over long or short loops.

**THE HANDSET** on each telephone is equipped with a Coiled Kord in matching color.

**THE DIAL** mechanism itself is the same time proven, dust-free dial that has received approval of the independent telephone operating companies for many years. The extended number plate is the same color as the housing and has contrasting lettering for easy visibility. The non-breakable finger wheel has a satin-chrome finish which adds beauty to practicality.

Dial blanks for manual telephones are available in matching colors.

**CONVERSION** of these telephones to wall mounting is made easy by ordering package assemblies containing plungers of matching colors. Ordering information for these package assemblies is given below.



**PACKAGE ASSEMBLIES\***

Package Stock No.	Colors	Plungers Stock No.
(213472)	Desert Beige	(213396)
(213471)	French Blue	(213395)
(213473)	Chestnut Brown	(213397)
(212424)	Dove Gray	(212119)
(213467)	Olive Green	(213391)
(213468)	Antique Ivory	(213392)
(213469)	Chinese Red	(213393)
(213470)	Canary Yellow	(213394)

\*Each package assembly used for converting desk instruments to wall mounting consists of the following items: 2—Plungers (listed above), 1—grommet (Stock No. 32955) for line cord to base of telephone, 1—Tension Spring (Stock No. 212845), 4—Screws (Stock No. 522182), and 1—Instruction Sheet (Stock No. 211676).

## FULL COLORED TELEPHONES (Continued)

### DIAL BLANK ASSEMBLIES

To order dial blanks for manual instruments, specify the following:

Stock No.	Description
(213167)	Dial Blank Assembly, Desert Beige
(213166)	Dial Blank Assembly, French Blue
(213168)	Dial Blank Assembly, Chestnut Brown
(212450)	Dial Blank Assembly, Dove Gray
(213162)	Dial Blank Assembly, Olive Green
(213163)	Dial Blank Assembly, Antique Ivory
(213164)	Dial Blank Assembly, Chinese Red
(213165)	Dial Blank Assembly, Canary Yellow

### PIECE PARTS

#### "W" TYPE FULL-COLORED TELEPHONES

Stock No.	Description
(213138)	Desk plunger, green
(213139)	Desk plunger, ivory
(213140)	Desk plunger, red
(213200)	Desk plunger, yellow
(213201)	Desk plunger, blue
(213202)	Desk plunger, beige
(213203)	Desk plunger, brown
(212118)	Desk plunger, gray
(213148)	Dial adapter, green
(213149)	Dial adapter, ivory
(213150)	Dial adapter, red
(213151)	Dial adapter, yellow
(213152)	Dial adapter, blue
(213153)	Dial adapter, beige
(213154)	Dial adapter, brown
(212448)	Dial adapter, gray
(213130)	Ear cap, gray
(213131)	Ear cap, green
(213132)	Ear cap, ivory
(213133)	Ear cap, red
(213192)	Ear cap, yellow
(213193)	Ear cap, blue
(213194)	Ear cap, beige
(213195)	Ear cap, brown
(213134)	Mouthpiece, gray
(213135)	Mouthpiece, green
(213136)	Mouthpiece, ivory
(213137)	Mouthpiece, red
(213196)	Mouthpiece, yellow
(213197)	Mouthpiece, blue
(213198)	Mouthpiece, beige
(213199)	Mouthpiece, brown
(213126)	Handle, gray
(213127)	Handle, green
(213128)	Handle, ivory
(213129)	Handle, red
(213188)	Handle, yellow
(213189)	Handle, blue
(213190)	Handle, beige
(213191)	Handle, brown
(213767)	Handset with Coiled Kord, gray
(213768)	Handset with Coiled Kord, green
(213769)	Handset with Coiled Kord, ivory
(213770)	Handset with Coiled Kord, red
(213771)	Handset with Coiled Kord, yellow
(213772)	Handset with Coiled Kord, blue
(213773)	Handset with Coiled Kord, beige
(213774)	Handset with Coiled Kord, brown
(212860)	Dial Number Plate, gray
(213173)	Dial Number Plate, green
(213174)	Dial Number Plate, ivory
(213175)	Dial Number Plate, red
(213176)	Dial Number Plate, yellow
(213177)	Dial Number Plate, blue
(213178)	Dial Number Plate, beige

### PIECE PARTS (Continued)

Stock No.	Description
(213179)	Dial Number Plate, brown
(212862)	Dial (CE-315), gray
(213141)	Dial (CE-316), green
(213142)	Dial (CE-317), ivory
(213143)	Dial (CE-318), red
(213144)	Dial (CE-319), yellow
(213145)	Dial (CE-320), blue
(213146)	Dial (CE-321), beige
(213147)	Dial (CE-322), brown
(213668)	Pkg. Assem. Ext. No. Plate, gray
(213669)	Pkg. Assem. Ext. No. Plate, green
(213670)	Pkg. Assem. Ext. No. Plate, ivory
(213671)	Pkg. Assem. Ext. No. Plate, red
(213672)	Pkg. Assem. Ext. No. Plate, yellow
(213673)	Pkg. Assem. Ext. No. Plate, blue
(213674)	Pkg. Assem. Ext. No. Plate, beige
(213675)	Pkg. Assem. Ext. No. Plate, brown

### COLORED CORDS

Stock No.	Code	Description
(213914)	(WDA-3J)	Desk Set Cord, Green
(213462)	(WDB-3J)	Desk Set Cord, Brown
(213915)	(WDC-3J)	Desk Set Cord, Ivory
(213916)	(WDD-3J)	Desk Set Cord, Red
(213917)	(WDE-3J)	Desk Set Cord, Yellow
(213918)	(WDF-3J)	Desk Set Cord, Blue
(212867)	(WDG-3J)	Desk Set Cord, Gray
(213919)	(WDH-3J)	Desk Set Cord, Beige
(213928)	(WCK-3KA)	Handset Cord, Green
(213429)	(WCK-3KB)	Handset Cord, Brown
(213929)	(WCK-3KC)	Handset Cord, Ivory
(213930)	(WCK-3KD)	Handset Cord, Red
(213931)	(WCK-3KE)	Handset Cord, Yellow
(213932)	(WCK-3KF)	Handset Cord, Blue
(213219)	(WCK-3KG)	Handset Cord, Gray
(213933)	(WCK-3KH)	Handset Cord, Beige

### HANDSET ASSEMBLIES INCLUDE

Stock No.	Description
(513120)	Screw
(210270)	T-1-K cord, 9"
(210285)	Receiver assembly
(210286)	Transmitter cup assembly
(210287)	Transmitter assembly

### ORDERING INFORMATION FULL-COLORED TELEPHONES

It is a simple process to order colored telephones. Simply state ringing frequency as shown for the standard black instruments on the preceding page and specify the color wanted.

#### Example:

Type of Telephone	Ringing Frequency	Color
1543 E with dial	16 $\frac{2}{3}$	Chinese Red

Dials will be furnished only when specified. When dials are ordered, they are the Metropolitan Type (letters, figures, and the word "Operator" over the figure 0) with extended number plates. When dials are not specified, the full-colored telephones will be equipped with dial blanks of matching color.

**COLORED HOUSINGS**

Customer demand for color in telephone instruments can also be met by ordering housings only. These housings are identical replacements for the conventional black housings of the 1400 or 1500 Series Telephones; using them will create colorful two-toned instruments which serve in two ways; satisfying the subscribers' desire for color, while keeping inventory costs low.



The colors of the housings are the same as those used in the full-colored instruments:

- |                |               |
|----------------|---------------|
| Desert Beige   | Olive Green   |
| French Blue    | Antique Ivory |
| Chestnut Brown | Chinese Red   |
| Dove Gray      | Canary Yellow |

The design of the 1400 and 1500 Series Telephones makes substitution of a colored housing extremely simple. There is no necessity for changing a handset, plungers, dial, ringers or wiring in order to furnish a customer with color. The colored housing does not interfere with converting a telephone to wall mounting.

**FEATURES**

**EASE OF REPLACEMENT.** Simply loosen one screw at the rear of any standard 1400 or 1500 Series Telephone, dial or manual (multi-line telephones excluded), remove the black housing, and slip on a colored housing.

**LOWER INVESTMENT.** Housings only are purchased and stocked. This permits the use of current inventory on 1400 Series or 1500 Series Telephones as the basic instruments for two-toned sets.

**COLORFUL.** The two-toned effect created will please customers, for such instruments will be in harmony with any color scheme, either in the home or in the place of business.



**HOUSING.** The same material that is used on black housings is also used on colored housings. This material, Tenite II, is light in weight, strong, and will retain its lustre indefinitely. The color is in the molding compound, not just on the surface of the housing, so that scratches will not harm its appearance.

**CONVERSION.** It is easy to convert these two-toned telephones to wall mounting. The same package assemblies that are used to convert 1400 Series and 1500 Series Telephones to wall mounting are also used in two-toned instruments. Do not order new package assemblies for those telephones that are already wall mounted.



**ORDERING INFORMATION  
COLORED HOUSINGS**

Stock No.	Description
(213124)	Housing, Desert Beige
(213008)	Housing, French Blue
(213125)	Housing, Chestnut Brown
(212113)	Housing, Dove Gray
(212587)	Housing, Olive Green
(212586)	Housing, Antique Ivory
(212588)	Housing, Chinese Red
(213009)	Housing, Canary Yellow



1500 SERIES TELEPHONES — (Cont.)

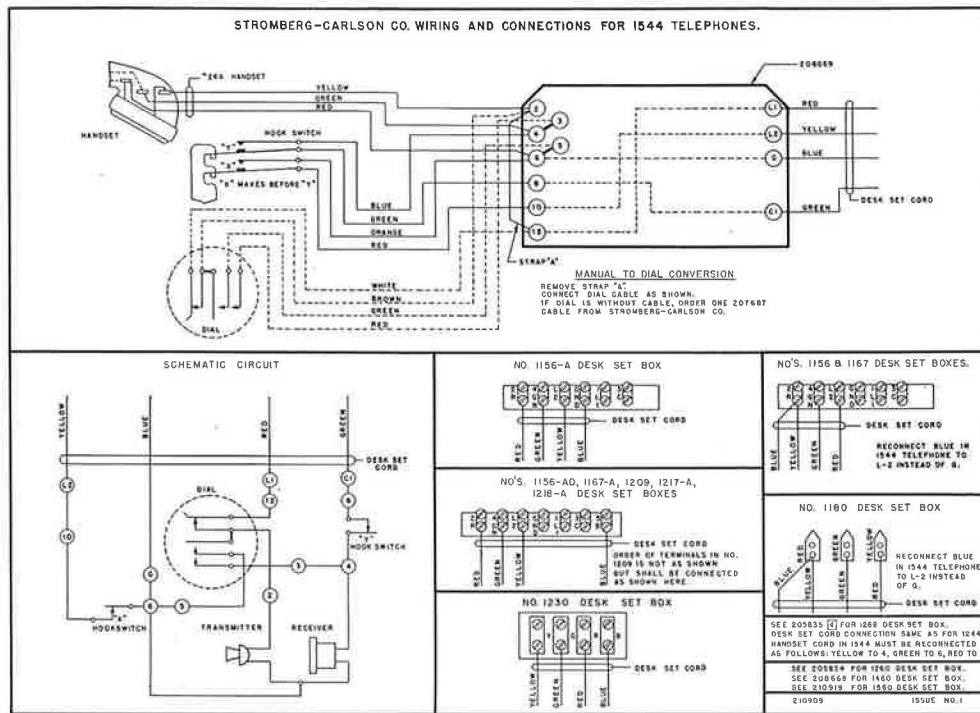


The No. 1544 Telephone

The No. 1544 Telephone is sometimes used to make a two-piece set, comprised of a telephone and a desk set box. The telephone is the same as the No. 1543, but without the ringer and coil-capacitor unit. Like the No. 1543, the No. 1544 Telephone may be used in either dial or manual systems. The telephone may be used on a desk or installed on a wall. A more common use of the No. 1544 Telephone is as an extension set. Another use is as a PBX Operator's telephone. (See No. 1544-P and 1544-C.)

The No. 1544 and 1544-B Telephones for Magneto Service

The No. 1544 Telephone is used with magneto desk set boxes which contain an induction coil, ringer and hand generator. The No. 1544-B Telephone which includes an induction coil is provided for use with magneto desk set boxes which contain a ringer and hand generator, but no induction coil.



ORDERING INFORMATION

Stock No.	Code No.	Description and Use
211749	1544	Extension Phone—no coil capacitor.
211750	1544B	Same as 1544 with a 46-B Induction Coil.
211751	1544P	Operator's phone without coil capacitor unit. Six conductor line cord with separate leads for transmitter, receiver and dial impulse springs.
*211758	1544C	Operator's phone with coil-capacitor unit. Four conductor line cord with separate leads for dial impulse springs.
*211759	1544K	Same as 1544P except dial shunt springs wired to shunt receiver.

\*Stock number for these two telephones includes CE-212 Dial.

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## SUSPENDED TYPE TELEPHONES WITH HOOKSWITCH BOXES

THE NOS. 1532, 1533, 1533-MK, AND 1534 TYPE SUSPENDED HANDSET TELEPHONES are convenient instruments where space is at a premium. The No. 1532 Telephone is designed and arranged for service as an extension and requires only two conductors for connection to its associated main line telephone. The main telephone bell serves as the signal for this instrument.



No. 1532-M Telephone



No. 1533-MK Telephone

The No. 1533 Telephone is a complete instrument that uses an A.C. buzzer to provide a signal. The No. 1534 Telephones are arranged to be used with standard desk set boxes and therefore do not have induction coil, capacitor or buzzer. The letter "M" affixed to the code number indicates telephone for manual operation. The plain code number, less suffix, denotes telephone arranged for dial.

**MOUNTING**—The Nos. 1532, 1533, and 1534 Telephones may be readily mounted on a side of a desk, on a column, or in a restricted wall space. Holes are drilled through the mounting bracket to permit these instruments to be mounted with the broad portion at the front or the narrow portion (as shown in the illustration). The dial may be turned to any convenient angle by loosening one screw under the dial mounting bracket.

**SIGNAL**—The No. 1533 Telephones are equipped with 1000 ohm buzzers that respond to straight line ringing current only. This is particularly desirable when there are a number of telephones in one office. The No. 1534 Telephones are arranged to be used with desk set boxes (No. 1560) and therefore have no induction coil capacitor units or buzzers.

THE NO. 1533-MK TELEPHONE makes a very neat and efficient wall installation, particularly useful for schools, hospitals, dormitories, and apartments. The No. 1533-MK Telephone is flush mounted on a wall, therefore these instruments should preferably be installed while building is being constructed in order to provide wiring and proper casing for the telephone. Only the handset and hook protrude from the wall. The rest of the telephone is behind the wall plate inside the wall. This telephone is equipped with an A.C. buzzer that responds to straight line ringing current only.

The No. 1533 MK Telephone can be mounted in any standard electrical outlet box with cover set in a wall. This telephone was designed to mount on a Steel City  $4\frac{1}{8}$ " square outlet box No. 72171  $\frac{1}{2}$  or equivalent, with a Steel City  $4\frac{1}{8}$ " cover No. 72-C-18 or equivalent.

### Parts of No. 1532, 1533, 1534, 1533-MK

#### Suspended Handset Telephones

Stock No.	Description	Used on
34517	Shell Assembly	1532, 1533, 1534
34518	Bracket (Shell)	1532, 1533, 1535
505355	Screw (Bracket)	1532, 1533, 1534
526044	Washer (Bracket)	1532, 1533, 1534
34512	Cover and Strap Assembly	1532, 1533, 1534
34991	Cover and Strap Assembly	1532-M, 1533-M, 1534-M
34989	Plate (Covers hole for dial)	1532-M, 1533-M, 1534-M
31798	Screws (Dial Plate)	1532-M, 1533-M, 1534-M
211078	Hookswitch Assembly	1534
211079	Hookswitch Assembly	1532, 1533
210531	Hookswitch Assembly	1533-MK
211360	Hook (Hookswitch)	1532, 1533, -33MK, 1534
201224	Dial Housing	1532, 1533, 1534,
201225	Base	1532, 1533, 1534
201481	Pivot	1532, 1533, 1534
201478	Screw	1532, 1533, 1534
526210	Lockwasher	1532, 1533, 1534
210486	Screw (Dial Mounting)	1532, 1533, 1534
526210	Washer (Dial Mounting)	1532, 1533, 1534
211076	Cable (Dial)	1532, 1533
211077	Cable (Dial)	1534
32943	(46-A) Induction Coil	1532, 1533
34524	(49) Condenser	1533
34917	(50) Condenser	1532
45304	(2-A) Buzzer	1533, 1533-MK
209305	Wall Plate	1533-MK
131012	Grommet	1533-MK
210518	Induction Coil Assembly	1533-MK
210497	Capacitor Assembly	1533-MK
210533	Screw (Wall Plate)	1533-MK
210534	Screw (Hookswitch)	1533-MK
200947	Tip	1533-MK

#### Handset

211361	(26-C)	Handset with	1532, 1533, -33MK, 1534
211305	(WCR-3J)	Cord, 4'6", Neoprene	No. 26-C Handset

### STOCK and CODE NUMBERS

#### Dial Instruments

with Dial Mounting—Less Dial

Stock No.	Code	Description
210957	(1532)	For extension (less D.S. Box)
210959	(1533)	Complete Telephone with Buzzer
*210961	(1534)	Telephone, requires D.S. Box

#### Manual Instruments

210958	(1532-M)	For extension (less D.S. Box)
210960	(1533-M)	Complete Telephone with Buzzer
*210962	(1534-M)	Telephone, requires D.S. Box
210952	(1533-MK)	Flush mounted telephone

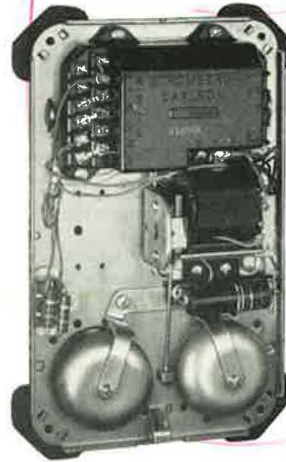
\*Desk Set Box for Common Battery service is No. 1560.

\*Desk Set Box for Magneto Service is No. 1268-W.

**DESK SET BOX AND RINGERS**



No. 1560 Desk Set Box



**Parts designed for use with No. 1560 Desk Set Box**

Stock No.	Description
208589	Bell Box Housing Assembly
208614	Base
209218	Bracket (Tube)
32955	Grommet
505172	#8-32X $\frac{3}{16}$ " B.H.I.M. Screw

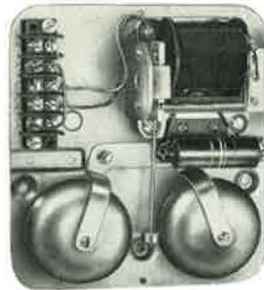
**No. 1561 Extension Bell Box**

This bell box is used as an extension ringer or signal, employing either a straight line or tuned frequency ringer, or a buzzer. The over-all dimensions have purposely been kept small: approximately 6" high, 5 1/2" wide and projecting 2 3/8" from mounting surface. Commonly used with the No. 1573 or 1575 Telephone, the No. 1561 Extension Bell Box provides a completely satisfactory method of signaling on dual or multi-line systems. As with the 1560 Desk Set Box, many parts used in the No. 1561 Extension Bell Box are identical with those used in the No. 1543 Telephone.

The extension bell box may be equipped with a Hi and a Lo Gong, both Hi Gongs, or both Lo Gongs. This arrangement makes it easier for all parties to distinguish which line is being signaled.



No. 1561 Bell Box, Compact and Efficient



**Parts designed for use with No. 1561 Extension Ringer**

Stock No.	Description
210244	Bell Box Housing Assembly
210378	Base Assembly
* 45304	Buzzer (2A)
* 34917	Capacitor (1.85 MF)
37204	Terminal Strip
44161	T-1-E Cord Assembly (3")
* 44163	T-1-E Cord Assembly (4")
†210916	Bracket (W.E. 426-A)
§210917	Bracket (W.E. 333-A)
‡149402	Resistor, 1 watt, 10,000 ohms

\* Used on No. 1561-C only

† Used on No. 1561-BT3 only

§ Used on No. 1561-BT only

‡ Used only when 74A Ringer is specified.

**No. 1560 Desk Set Box**

This desk set box is used in combination with the No. 1544 Telephone or earlier models to make a two-piece set. All components are mounted on the base, which can be fastened to a wall. The trim black cover is then attached, using tapped holes in the base plate. The over-all size is 9 1/8" high, 5 3/4" wide, with a 2 3/8" projection from mounting surface. Choice of straight line or tuned frequency ringers are available for the desk set box. With the exception of the parts listed below, all others are the same as those shown for the 1543 telephone.

**ORDERING INFORMATION**

Desk Set Box		Ringer		Extension Bell Box		Desk Set Box		Ringer		Extension Bell Box	
Stock No.	Code No.	Code	Frequency	Stock No.	Code No.	Stock No.	Code No.	Code	Frequency	Stock No.	Code No.
210883	1560		None	209959	1561	210894	1560P	73P	66	209970	1561P
210897	1560A	74A	5L	209973	1561A	210884	1560I	73I	20	209960	1561I
*210898	1560BT	71B	5L	209974	1561BT	210896	1560Q	73Q	40	209972	1561Q
210885	1560E	73E	16-2/3	209961	1561E	210888	1560J	73J	60	209964	1561J
210890	1560N	73N	25	209966	1561N			74A	5L		
210886	1560F	73F	33-1/3	209962	1561F			(High Gongs)		210900	1561AH
210887	1560G	73G	50	209963	1561G			74A	5L		
210889	1560H	73H	66-2/3	209965	1561H			(Low Gongs)		210901	1561AL
210895	1560R	73R	16	209971	1561R			2A-Buzzer		210923	1561C
210891	1560K	73K	30	209967	1561K						
210892	1560L	73L	42	209968	1561L						
210893	1560M	73M	54	209969	1561M						

\*With W. E. No. 333-A Tube

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## NO. 1573 TWO-LINE TELEPHONE



No. 1573 Two-Line Telephone

The Stromberg-Carlson No. 1573 Telephone is a two-line telephone equipped with a holding feature on both of its lines. The same telephone instrument provides intercommunication or local PX service over a third line. This telephone will be useful in all applications where a single instrument is desired with connection to two outside lines and with or without a third line for local intercommunicating service. Outside calls can be originated, answered, or held while maintaining connection on another line.

### General Design

The No. 1573 Telephone is an adaptation of the 1543 Telephone, modified to provide line selection and hold keys. The handset and coil-capacitor unit are identical to those of the 1500 Series Telephones. The standard housing and base have been slightly modified so that the entire switching mechanism can be mounted on the base-plate of the telephone. One line selecting and two hold keys extend through the front of the telephone housing. Two other buttons are mounted on the housing: the red button is a recall button used to signal an operator or regain access to dial central office equipment when one line is on hold. The white button is used to establish a path for intercommunication over line three.

The No. 1573 Telephone may be used with either a dial or manual central office or PBX system. No ringers are provided inside the telephone. Signaling is provided by using the new No. 1561 Bell Box, or similar bell, chime or buzzer apparatus.

The Stromberg-Carlson 2-10 or 4-20 Dial System is available for connection to the third line when a selective signaling and secret conversation system is desired for intercommunication. (Refer to Section D of this Catalog.)

### Button and Buzzer Assembly

A button and buzzer assembly is available for use in inter-office signaling, so that one party on a line may signal another party on the same line. There are three standard button and buzzer assemblies. The first is equipped with one button and two blank caps, the second is equipped with two buttons and one blank cap, and the third with three buttons. One assembly can be converted to the other by substituting buttons in place of caps, or vice versa, and rewiring slightly.

## Parts of the No. 1573 Telephone

### Telephone Assembly

Stock No.	Name	Stock No.	Name
209712	Base Plate	209957	Designation Holder
209731	Housing	210558	Coil-Capacitor Unit
209720	Knob Assembly (Line Selector Key)	211121	Plunger
209721	Knob Assembly (Hold Key)	209709	Dust Cover (Hookswitch)
209688	Lever (Interlock)	207674	Lever (Hookswitch)
209716	Button Assembly (Red)	209947	Latch Assembly
209740	Button Assembly (White)	209952	Cord (WDN-6G)

### Hookswitch Assembly

Stock No.	Name	Stock No.	Name
207670	Clamp Plate	207753	Bushing
207672	Bracket, Mounting	207704	Pusher
208552	Spring Assembly	208492	Hi-Tensile Screws
208071	Spring Assembly	209949	Resistor Assembly
32957	Stiffener	209948	Varistor Assembly
13820	Insulation	209949	Resistor Assembly

### Key Assembly

Stock No.	Name	Stock No.	Name
209732	Complete Assembly	209697	Spring (Plate)
209681	Key Base	209698	Spring (Lock)
209687	Lever, Center	209727	Spring Assem. (Contact)
209725	Lever, Assembly (Left Hand)	209728	Spring Assem. (Contact-Pusher)
209726	Lever, Assembly (Right Hand)	12656	Spring Plate
209735	Lever	12658	Insulation (1/32 x 1/4 x 1/2)
209691	Interlock Cam	209717	Insulation (1/64 x 1/4 x 1/2)
209686	Lever Trip	209704	Insulation (3/32 x 3/4 x 5/8)
209723	Spring Assembly	209690	Bushing
209724	Spring Assembly Spring Combination, Center	500952	#2-56 x 7/8 RHIMS (Spring Assembly)

### Button and Buzzer Assembly

(Accessory Equipment for use with  
No. 1573 Telephones)

Stock No.	Name	Stock No.	Name
211194	3 Button Assembly	211094	Base
211193	2 Buttons and 1 Cap Assembly	45304	Buzzer
211041	1 Button and 2 Caps Assembly	200387	Push Button
211093	Cover	126042	Cap
		205106	Terminal Block Assembly

### ORDERING INFORMATION

Stock No.	Description
210902	1573 Telephone, Manual
210903	1573 Telephone, with CE-210 Dial
210904	1573 Telephone, with CE-211 Dial
210905	1573 Telephone, with CE-212 Dial

For associated equipment, see description of the No. 1573 Telephone used as part of an interior system in Section D of this catalog.

THE NO. 1575 MULTI-LINE TELEPHONE



No. 1575 Multi-Line Telephone

The No. 1575 Multi-Line Telephone is the station equipment for use with the Stromberg-Carlson 6K System. In this desk instrument, similar in size and general appearance to all the 1500 Series Telephones, is the equivalent of a small switchboard. Each subscriber, with or without assistance from an operator, can originate and receive calls on from one to five central office, PBX, intercommunicating, or private lines. The subscriber will also be able to hold calls on from one to five central office or PBX lines. In addition each user can, if the instrument is so equipped, signal and talk over local or intercommunicating lines while holding central office calls. The user may then tell the called party that he should pick up the held incoming call, or obtain information from within the plant to relay back to the caller on the held outside line.

The many possibilities for the No. 1575 telephone as a component of the 6K System are described in more detail under Interior Systems in Section D of this catalog.

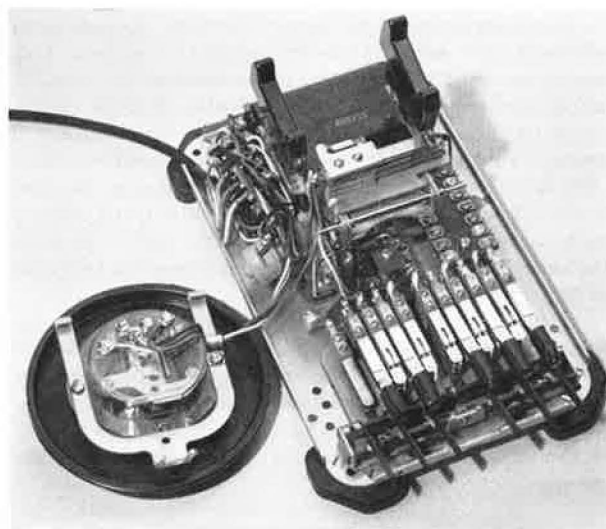
General Design

The No. 1575 Telephone may be used with either a manual or dial central office or PBX. Its general design is similar to the No. 1543 Standard Telephone and the No. 1573 Two-Line Telephone. Five line keys, each with its associated lamp for visual indication, are arranged across the front of the housing.

The No. 96 Terminal Box is part of the No. 1575 telephone and provides convenient terminals for connection to the distribution cable.

The handset is the same as that used on the No. 1543 Telephone. The same dials that are available for the No. 1543 can be used with the No. 1575 telephones.

The six keys on the No. 1575 Telephone can be arranged to furnish many combinations of service. The maximum number of lines to central office or PBX is five. When holding, intercommunication, or signaling keys are desired, the number of line keys are correspondingly reduced. This telephone replaces the cumbersome method of providing multi-line service with key boxes or push buttons with ordinary telephones.



Interior of No. 1575 Telephone

Parts List for No. 1575 Multi-Line Telephone

Stock No.	Description of Part
209712	Base
209944	Case Assembly
211155	Coil Capacitor Assembly
209721	Knob Assembly (Keys)
209744	Lens
209956	Designation (Hold)
211106	Designation (Signal)
211107	Designation (Blank)
211130	Designation (Inter-Com)
*209946	Key Assembly
†209945	Key Assembly
211211	Desk Stand Cord (WDN-36A)
211108	Lamp (Pilot)
211109	Sleeve (Pilot Lamp)
801760	Buzzer #O-C
209948	Varistor Assembly
†210730	Terminal Box Assembly (96A)
*211156	Terminal Box Assembly (96B)

\*To be used only with No. 1575B Telephone

†To be used only with No. 1575A Telephone

Hookswitch Assembly

Stock No.	Description of Part
207672	Bracket (Hookswitch)
209772	Clamp Plate
208552	Spring Assembly
32957	Stiffener
13820	Insulation
208071	Spring Assembly
207704	Pusher
211111	Spring Assembly
209777	#4-40 x 1 3/16 Hi-Tensile R.H.S.

ORDERING INFORMATION

Stock No.	Code	Description
211117	(1575A)	Complete telephone with No. 96A Terminal Box. Set up for five-line maximum.
211143	(1575B)	Complete telephone with No. 96B Terminal Box. Set up for four-line maximum and one signal key.

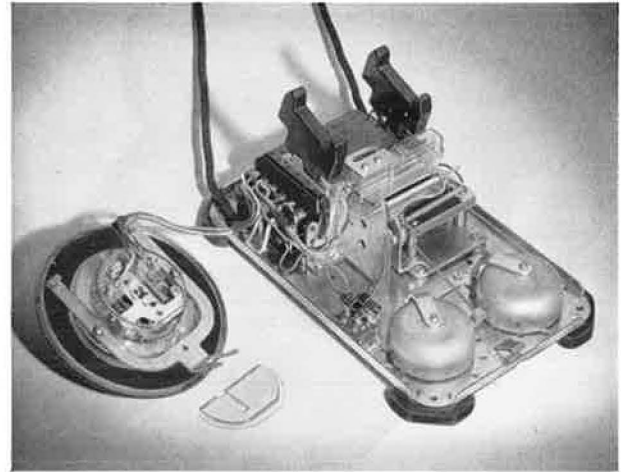
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## THE 1400 SERIES TELEPHONES

The Stromberg-Carlson 1400 Series Telephone, predecessor of the current 1500 Series, was the first telephone to combine those features now considered standard for the industry: the extended dial number plate; a low, graceful housing of tough thermoplastic; the single coil, high impedance ringer; the advantage of offering the subscriber a choice between desk or wall mounting.

The 1400 Series included the following instruments: No. 1443 Standard Telephone for desk or wall; No. 2-1443 with two-step operation; No. 1444 Extension Telephone; No. 1444-P Operator's Handset Telephone; No. 1447 for long rural lines; No. 1460 Desk Set Box.

The 1400 Series is in most respects the same as the 1500 Series. The most apparent difference is in the handset; the other variation is in the ringer assembly and associated coil-capacitor unit. Because of this almost complete similarity of the two series, manufacture of the 1400 Series as such has been discontinued. All necessary ordering information for replacements is given below.



Interior of the No. 1443 Telephone.



The No. 1443 Desk Telephone with Extended Number Plate and Metropolitan style dial.



The same No. 1443 Telephone used as a wall mounted instrument.

### The Handset

The 1400 Series Telephones use the No. 23-N (208247) three conductor or the No. 24-N (208666) four conductor handset. This is longer than the No. 26 Handset supplied with the 1500 Series; also the larger openings for transmitter and receiver capsules prevent the interchange of these components.

Replacement orders may be made for the complete No. 23-N Handset or any of its components. Or the complete No. 26-A Handset may be ordered as a direct replacement of the No. 23-N for use on the 1400 Series. (See Parts List.)

### The Ringer

The 1400 Series Telephones use the No. 71 straight line or the No. 72 tuned frequency ringers. (See following pages describing Ringers.) The ringing condenser is part of the coil-capacitor unit in the 1400 Series, while it is part of the ringer assembly in the 1500 Series; however, the ringers of both series are matched so that either type can be used on the same line.

The No. 71 and No. 72 Ringers are available for replacements. If a 1500 Series ringer is placed in a 1400 Series telephone, the condenser which is mounted with the ringer should be used, and a wiring change made at the coil-capacitor unit to effect this transfer.

### Parts of the 1400 Series

Only those parts which differ from corresponding components of the 1500 Series are listed here. Reference should be made to preceding pages for the parts common to both series.

#### Handset

Stock No.	Code	Description
208247	(23-N)	3 Conductor Handset (Complete) with Nylon cord
208666	(24-N)	4 Conductor Handset (Complete) with Nylon cord
203397	—	Molded Handle, 3 Conductor, complete with contact springs
203398	—	Molded Handle, 4 Conductor, complete with contact springs
208243	(WCN-3J)	Handset Cord, 4'-6", 3 Conductor
208663	(WCN-4J)	Handset Cord, 4'-6", 4 Conductor
206424		Transmitter Capsule Unit
34230		Receiver Capsule Unit
32863		Mouthpiece
32864		Earcap
208359		Induction Coil and Capacitor Assembly
208358		Station Number Card Package Assembly
208675		Induction Coil and Conductor Assembly (No. 1447 Telephone only) Ringers as Required (No. 71 or No. 72)

STROMBERG-CARLSON

**MAGNETO TELEPHONES**

In appearance, efficiency, adaptability and long life, Stromberg-Carlson Magneto Telephones offer everything you would expect from one of the industry's oldest, most experienced companies.

This modern Magneto series includes a self-contained desk type handset telephone (No. 1248-W), a self-contained wall type handset telephone (No. 1258-W), and a Magneto desk set box (No. 1268-W).

The base assemblies of all three instruments are interchangeable for service economy.



No. 1248-W Handset Desk Telephone

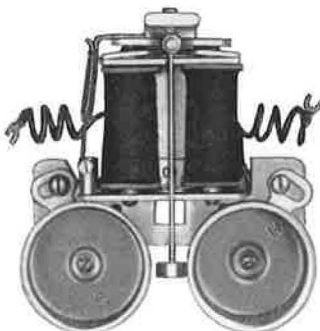
**THE NO. 1248-W** is a modern, self-contained desk type magneto telephone in a die-cast zinc housing which includes the handset cradle. A sub-base provides mounting space for the generator; in converting to common battery, this is removed. Four rubber feet grip any surface on which the telephone is placed.

The base plate is attached to the housing by screws which may be easily removed for inspection and testing of all component parts. Components are so designed and mounted on the base that it is an easy matter to change from magneto to common battery operation with either manual or dial service.

**THE NO. 200595 INDUCTION COIL AND CAPACITOR ASSEMBLY** consists of a plastic housing in which the coil and capacitors are embedded in hydrolene. This design protects the apparatus from mechanical injury as well as excessive humidity.

**THE NO. 61 and 65 RINGERS** are specially designed for Magneto service with standard resistances of 2040, 3100 and 4850 ohms. Because the impedance of the No. 65 and the older type ringers is matched, resistances of 1600 ohms and 3100 ohms may be satisfactorily used on the same line. In the same way ringers of 2500 ohms and 4850 ohms may be used together. (See Ringers on later pages in this section.)

**THE HOOKSWITCH ASSEMBLY** with twin contacts of precious metal, provides a reliable method of controlling the circuit.



No. 61-A Ringer

**THE NO. 23-N HANDSET** presents an evenly balanced appearance. Capsule units are used for both receiver and transmitter; long-wearing nylon braid increases cord life. Pressure spring contacts assure good transmission.

**THE NO. 28 (206424) TRANSMITTER** is a non-positional capsule type, affording high fidelity voice transmission.

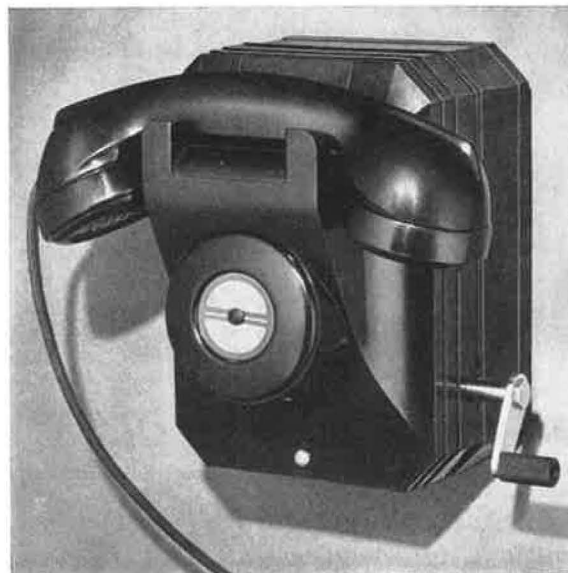
**THE 34230 CAPSULE RECEIVER** unit has an equalized response frequency characteristic. Contact is made through pressure spring contacts when the earcap is tightened.

**THE NO. 64 HAND GENERATOR** using Alnico magnets, generates as much power as the older, more bulky types.

**NON-INTERFERING PUSH BUTTON** can be supplied on any magneto telephone when ordered. It is used for signaling the operator over one side of a metallic circuit and ground, without ringing the bells of the other telephones on the line.

**SURE-RING CONDENSER.** Standard equipment includes a 1.mf capacitor in the talking circuit which makes it possible to ring past telephones on party lines when a receiver is not on the hook.

**MAGNETO TELEPHONE WITH STRAIGHT LINE BIASED RINGER.** Stromberg-Carlson also offers the Magneto Telephones Nos. 1248-A, 1248-B, 1248-S. Four-party fully selective ringing is possible with the 1248-A; eight-party semi-selective ringing with the 1248-B; eight-ringers for semi-selective ringing with extensions if desired with the 1248-S.



No. 1258-W Wall Telephone

STROMBERG-CARLSON

Revised 6-15-54

## MAGNETO TELEPHONES (Cont.)

**NO. 1258-W WALL TYPE HANDSET TELEPHONE** has a removable sub-base that houses the generator, ringer and coil-capacitor unit. The handset rests in a cradle that is part of the molded case.

**EASY TO CONVERT.** This wall set, like the No. 1248 desk telephone, can be changed from magneto to common battery service for either manual or dial operation. Thus these telephones become an investment for the future.

### Parts of No. 1248-W (Desk) and No. 1258-W (Wall) Types

#### Telephone Parts

- 201797 Housing (No. 1248-W only)
- 201796 Housing (No. 1258-W only)
- 201798 Sub-Base (Die-cast housing adapter)
- 508753 Screws (2) (Sub-Base)
- 205671 Base Plate (Metal)
- 35808 Feet (4)
- 32889 Rod (Handle)
- 33234 Screws (Bracket)
- 35860 Cable (Hookswitch)
- 35814 Connector
- 200595 Ind. Coil and Capacitor Unit in Plastic case
- 201794 Plate (Coil-Capacitor mounting)
- 35824 Screws (3) (Case to Plate)
- 208073 Plungers (2)

#### Generator Parts

- 201678 (No. 64) Generator, Alnico
  - 204859 Generator Crank
  - 507423 Screws (4), Generator Mtg.
  - 526294 Lockwashers (4), Generator Mtg.
- For other parts see Generator in Coded Parts Section

#### Handset Parts

- 208247 (No. 23-N) Handset with black cord (Complete)
- 208243 Cord (WCN-3J) 4'6"
- 203397 Molded Handle (3 Conductor) Complete with contact springs
- 206424 Transmitter
- 34230 Receiver
- 32863 Mouthpiece (Transmitter)
- 32864 Earcap (Receiver)

#### Hookswitch

- 42158 Complete Spring Comb. (Hookswitch)

#### Ringer Parts

See ringers in another portion of this section

#### Line Cord (Black)

- ~~202736~~ Line Cord (WD-4T) 6' (No. 1248-W only)
- 208664 WDN-47*

#### Terminal Block

- 205106 For Line Cord (No. 1248-W only)

#### Dial Blank

Telephones not using push button are equipped with ...

- 35709 Dial Blank
- 23766 Cap
- 25404 Protector
- 28479 Card

#### Push Button

Telephones using push button are equipped with ...

- 49299 Push Button
- 200846 Dial Blank

## STOCK AND CODE NUMBERS OF TELEPHONES

No. 1248-W Handset Desk Type					No. 1258-W Handset Wall Type				
Telephone		Ringer		Resistance	Telephone		Ringer		Resistance
Stock No.	Code	Stock No.	Code		Stock No.	Code	Stock No.	Code	
Straight Line					Straight Line				
201804	(1248-WI)	201754	(65-C)	3100 Ohms	201808	(1258-WI)	201754	(65-C)	3100 Ohms
201805	(1248-WL)	201755	(65-F)	4850 Ohms	201809	(1258-WL)	201755	(65-F)	4850 Ohms
*201806	(1248-WIP)	201754	(65-C)	3100 Ohms	*201810	(1258-WIP)	201754	(65-C)	3100 Ohms
*201807	(1248-WLP)	201755	(65-F)	4850 Ohms	*201811	(1258-WLP)	201755	(65-F)	4850 Ohms
Straight Line Biased					Straight Line Biased				
203071	(1248-WA)	801911	(61-A)	2040 Ohms	209279	(1258-WA)	801911	(61-A)	2040 Ohms
203035	(1248-WB)	202880	(65-B)	3100 Ohms	209280	(1258-WB)	202880	(65-B)	3100 Ohms
203069	(1248-WS)	801912	(61-S)	4850 Ohms	209281	(1258-WS)	801912	(61-S)	4850 Ohms

\*The letter "P" indicates No. 49299 Push Button mounted on Dial Blank. All No. 1248-W and 1258-W Telephones are equipped with Sure-Ring Condensers (1.mf) in the talking circuit.

#### DIMENSIONS:

- 1248-W 7¼" high with handset in cradle, 5¼" x 8½" base
- 1258-W 8¾" high with handset in cradle, 5¼" x 8½" base

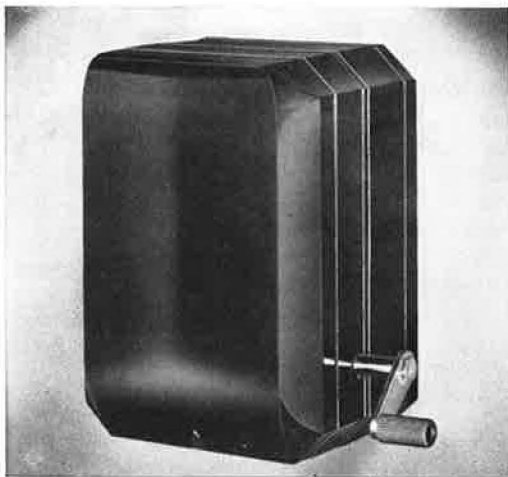
#### WEIGHT:

- 1248-W Net 10 lbs. Packed for domestic shipment 13 lbs.
- 1258-W Net 8 lbs. Packed for domestic shipment 11 lbs.

STROMBERG-CARLSON

**MAGNETO TELEPHONES (Cont.)**

**NO. 1268-W MAGNETO DESK SET BOX AND TWO-PIECE TELEPHONES**



No. 1268-W Desk Set Box

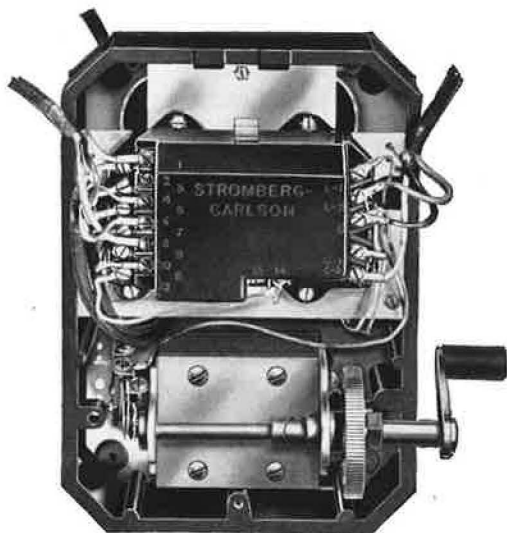
The No. 1268-W Desk Set Box is a companion set of the No. 1248-W and 1258-W Handset Telephones. It may be used with the No. 1544 Desk Type or No. 1534-M Suspended Handset Telephone to make a two-piece set.

The base plates of the No. 1268-W Desk Set Box and the No. 1248 and No. 1258 Telephones are interchangeable and the same ringer, generator, and sealed coil-capacitor unit are used, together with identical parts for mounting this apparatus.

All No. 1268-W Desk Set Boxes are equipped, in the talking circuit, with a 1.mf sure-ring capacitor which is part of the coil-capacitor unit.

**Optional Feature**

No. 49299 Push Button is furnished when the letter "P" is added to the code number. Its use should be confined to full metallic (two-wire) lines. With the feature it is possible to signal the operator without ringing other bells on the line.



The Sub-Base Assembly, showing generator, coil-capacitor unit and ringer. Used commonly on the 1248, 1258 and 1268 instruments.

**Parts of No. 1268-W Desk Set Box**

Stock No.	Description
201795	Plastic Housing
41710	Retaining Screw (Front)
525033	Hex Nut (Retaining Screw)
201798	Sub-Base (Die-Cast Housing Adapter)
205671	Base Plate (Flat Metal)
41563	Screws (2) (Housing to base)
41685	Bracket (Base Plate)
35808	Feet (4)
200595	Ind. Coil and Capacitor unit in plastic case

**Generator Parts**

201678	(No. 64) Generator, Alnico
204859	Generator Crank
507423	Screws (4), Generator Mtg.
526294	Lock Washers (4), Generator Mtg.

For other parts see Generator in Coded Parts Section

**Ringer Parts**

See Ringers in another portion of this section.

**STOCK and CODE NUMBERS**

Desk Set Box		Ringer		Resist. Ohms
Stock No.	Code	Stock No.	Code	
201812	(1268-WI)	201754	(65-C)	3100
201813	(1268-WL)	201755	(65-F)	4850
*201814	(1268-WIP)	201754	(65-C)	3100
*201815	(1268-WLP)	201755	(65-F)	4850

\*Desk Set Boxes with suffix letter "P" are equipped with No. 49299 Non-Interfering Push Button.

**TELEPHONES FOR TWO-PIECE SETS**

The new No. 1544 Handset Telephone is ideally suited for magneto service when used with the No. 1268 Desk Set Box. The No. 1544 Telephone can readily and economically be converted to common battery service at a later date, if desired. Parts and ordering information for the No. 1544 Telephone will be found with the complete description of the No. 1544 Telephones on a previous page.

The No. 1544-B Telephone may be used with older type desk set boxes that do not contain an induction coil, such as the No. 327. The No. 1544-B Telephone is similar in all respects to the No. 1544 except that a No. 46-B induction coil has been included.

The No. 1534-M suspended type telephone can also be adapted to magneto service when used with the No. 1268 Desk Set Box. Parts and ordering information for suspended type sets may be found with the general description of the No. 1532, 1533, 1534 and 1533-MK Telephones on a previous page.

Handset Telephone	Used With	
Stock No.	Code	Desk Set Box
211749	1544	No. 1268
211750	1544-B	No. 327

Revised 6-15-54

## IRONCLAD WEATHERPROOF TELEPHONES

**THE STROMBERG-CARLSON IRONCLAD TELEPHONE** is moisture proof, concussion proof, and weatherproof, built especially for use out-of-doors or in underground localities which require extra high insulation and dependable service. This telephone is available in Common Battery or Magneto models.

Dials can be mounted on the No. 950 Ironclad Telephone set. Space is provided on the inner door for dials of the type CE-207, 208, and 209 (small dials). Inner door No. 207659 is planned for dial, either presently equipped with dial or prepared for future installation. Parts for the dial will be found under "Dials" elsewhere in this section.

**THE CASE** is of heavy cast-iron, provided with outer door, inner door, and gong hood. All parts are heavily coated with rust resisting paint.

When these telephones are to be locked so that only designated persons may use them, the 11563 Plunger Lock may be replaced with a No. 8468 Key Snap Lock installed at factory.

**THE OUTER DOOR** is equipped with a rubber gasket and compression lever catch, arranged for either key or plunger type lock. Opening the outer door permits the use of the instrument for either signalling or talking.

**THE INNER DOOR** is hinged for opening during repairs, and is held securely closed by machine screws and a felt gasket. The inner door mounts the transmitter and receiver.

**THE TRANSMITTER** is a capsule unit, similar to those used in handset telephones, with a black, phenol compound mouthpiece.

**THE RECEIVER** consists of an outside plastic receiver shell and earcap and a capsule type receiver unit. The capsule may be changed by removing the earcap. A cord take-up device prevents the receiver cord being caught when the outer door is closed, following a conversation.

**RINGER** is equipped with loud, clear toned gongs concealed beneath the gong hood. The ringer, clapper rod, and armature are operated by magnetic induction through a tight brass plate. This design permits mounting the ringer coils in a protected position behind the inner door, entirely free from fumes and moisture.

**THE HOOKSWITCH** is of pressure, plunger construction, positive in operation and not dependent on gravity.

**TERMINAL BOX** is mounted on the under side of the telephone, containing two line terminals and a ground terminal, which pass through watertight bushings to the interior of the telephone so that it is unnecessary to open the instrument when making connections. Entrance hole is threaded for 1/2" conduit.

### Parts common to the No. 950 C and No. 890 Telephones

Stock No.	Description
10818	Switch Hook Assembly only
8457	Spring Assembly
8465	Plunger
505303	Screws (2) (Mounting Hook on Door)

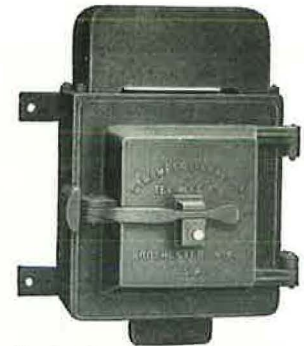
### Receiver

Stock No.	Description
*801595	Receiver (30-B) and Cord

### Parts for above

33179	Receiver shell
32864	Earcap
34230	Receiver
800627	Cord (M-2-1)

\*The former No. 27-B Receiver is replaced by the No. 30-B receiver which is replaceable as a unit, but the parts are not.



No. 950 BY Ironclad Telephone

### Transmitter

*209624	Transmitter Assembly, including
205784	Transmitter
209623	Mouthpiece
25608	Insulation
25892	Spring Clamp
209631	Gasket Assembly
15577	Terminal (3)
503500	Screw (3)

\*Note: Telephones manufactured before 1/21/53 cannot use the No. 209624 transmitter assembly. Instead order No. 35434.

### Replacement Parts for the No. 950 C Telephone Only

Stock No.	Code	Description
801825	(35-A)	Ringer-less gongs (1000 ohms)
12271		Coil (2)—500 ohms (For 801825 Ringer)
207658		Box Assembly
8871		Induction Coil and Condenser Assembly
16321		Adapter (Dial) (Order with dial)
13870		Blank (Dial)
525200		Nuts (2) Dial Blank
503620		Terminal Screw
29961		Terminal Block

### Replacement Parts for the No. 890 Telephone

Stock No.	Code	Description
801826	(35-B)	Ringer-less gongs (1600 ohms)
801827	(35-E)	Ringer-less gongs (2500 ohms)
12272		Coil (2) —800 ohms
12273		Coil (2) —1250 ohms
8416		Box Assembly
8636		Induction Coil (Mounted)
800424		Induction Coil (only)
800526		1/2 MF Condenser (Receiver circuit)
201678	(64)	Generator

For other parts see Generator in Coded Parts Section.

### Parts for Replacing the No. 62-A Generator with the No. 64 Generator

Stock No.	Description
208830	Generator Assembly (Mounting) (Includes No. 64 Generator, one 208832 Block, and four 508052 screws)
208834	Package Assembly (Includes two 512700 screws, one 207593 Crank Assembly, one 207595 Gland, one 207596 Gland, one 207601 washer, two 504052 screws and Instruction Sheet 208836)

**STROMBERG-CARLSON DIALS**



Stromberg-Carlson Dial with Extended Number Plate

The Stromberg-Carlson Dial with the extended number plate is used with the 1500 Series Telephone and the earlier 1400 Series. The extended-style number plate marks the dial of the future, with its distinctive numbers and letters in white on a black background. The location of the letters and numerals outside of the finger wheel provides greater visibility and thereby reduces the possibilities for error in dialing. The characters are on the underside of the number plate and are thus protected to prevent marring.

The new Stromberg-Carlson dial offers seven distinct features of design that result in longer life, lower maintenance cost, and pleasing operation for the subscriber.

1. The dial mechanism is mounted on a rigid die-cast aluminum housing and encased in a transparent plastic cover. The moving parts are thus always in perfect alignment, and are protected from dirt and grime.
2. The gears and other rotating parts are precision machined, or molded, to insure a smooth movement and to reduce wear.
3. The wind-up operation produces motion only in the main and secondary shafts, with the result that the other moving parts are in action for impulsing only. This gives additional quietness and decreases wear.
4. Quiet operation is further insured by using for the impulse cam drive two thin flat springs operating in conjunction with slots in their associated parts, a simple and dependable device that assures positive and uniform impulsing.
5. The digit number plate is locked into the housing rim for smoother contour and tighter fit, yet it is easily changed by removing the finger plate and only one screw.
6. Another feature is the simplified terminal arrangement whereby the terminal screws extend directly through the dust cover, avoiding cable, soldered connections and terminal block, thereby simplifying maintenance.

7. All necessary field adjustments can be made without removing the dust cover from the dial. The opening in the dust cover (closed by a snap-on lid) gives ready access to the working parts. Speed adjustment, cleaning of contacts, etc., can be done without disturbing any connections or mounting screws.

**Spring Combinations**

Shown below are the spring combinations most commonly used. Shunt springs are illustrated in off-normal positions.

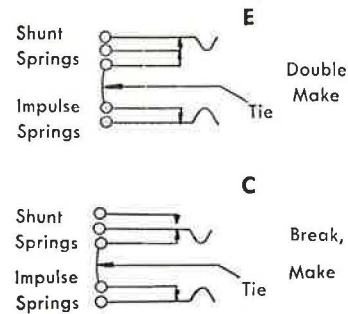


Diagram of Spring Combinations

**SPRING COMBINATIONS** shown are "E," and "C." Other types of spring combinations can be furnished when desired. The "E" or "C" is the second letter of the dial code number. When the second letter is followed by the letter "X" it indicates that the tie is omitted.

**Finger Plate**

The finger plate is metal with a black enamel finish. In the code number this finger plate is indicated by "2."

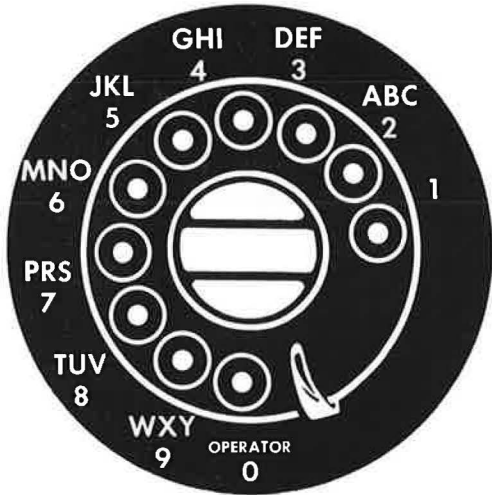


STROMBERG-CARLSON

*28 207 Dial - consisting of:  
213075 Dial  
211232 Finger Plate  
35861 Cable*

Revised 6-15-54

## DIALS (Cont.)



**Standard Dial—C.E.-212-45**

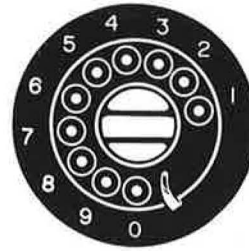
The above picture shows the standard metropolitan number plate.

The second character of the dial code indicates type of spring used (i.e.—C.E.-212-45 has "E" type shunt springs). The standard dial contains the "E" type shunt springs that are combined with impulse springs. Other type shunt springs are available.

C.—A break-make type of shunt spring.

L.—A separate single make and single break shunt spring.

Other number plates are available as follows:



No. 10—Contains numbers 1-0 only. White on black.



No. 11—Contains numbers 1-0, and the word "Operator" over the number "0." White on black.

### Example of Correct Order:

Present Series	Spring Combination	Finger Plate	Number Plate	Dash	Cable	Station Card	Description
C	E						Double-Make Combination
		2					Black Enamel Finger Plate
			12				Metropolitan Number Plate
				-			Dash
					4		4 Conductor Cable
						5	Std. Station Card

So that the ordering code of the above dial is CE 212-45



Front View of Small Dial

### Standard Small Dial—C.E.-209-45

The above picture shows a small dial containing a number plate coded No. 7. Other number plates are available as follows:

No. 8—contains numbers 1-0, and the word "Operator" over the number "0."

No. 9—contains numbers and letters (Metropolitan).

Shunt springs for the small dial are coded in the same way as those for the large dial.

An attractive new booklet covering in detail the parts, construction, and maintenance of the Stromberg-Carlson Dial has been prepared and may be obtained from your nearest branch office. Ask for T-133.

**STROMBERG-CARLSON HANDSETS**

(No. 26 Type)



The No. 26 Handset has been developed for use in the new Stromberg-Carlson No. 1500 Series Telephones. This handset is shorter and lighter than previous models, a perfect complement for the modern lines of the present housing. The handset is made of thermosetting material, and is molded to fit the hand comfortably. Its shorter length assures better transmission by bringing the transmitter closer to the subscriber's lips.

Handset assembly consists of transmitter, receiver, handle, earcap, mouthpiece, and cord.

**THE NO. 210279 TRANSMITTER** is a re-designed unit that is smaller in size than previous transmitter capsules. With an adapter, this transmitter will fit the No. 1400 Series Telephones; however, the transmitter in the No. 1400 Series will not fit the No. 1500 Series Telephones. The life of this transmitter has been greatly increased through the use of new age-stabilized carbon in the capsule. High in fidelity on both long and short lines, this transmitter reproduces the voice naturally and retains the clear articulation demanded by modern telephone practice. Silver-plated contact springs in the transmitter cavity provide reliable connections when the mouthpiece is screwed down tight.

**THE NO. 210278 RECEIVER** is also of the capsule type and provides an equalized response frequency characteristic. Improved hearing is secured by placing the resonance peaks at approximately 2000 cycles per second while introducing sufficient damping at the same time. The receiver is assembled in the handset by attaching the spade terminals from two cords that run through the handle of the handset. The receiver is then locked into contact position by tightening the threaded earcap.

**Parts for the No. 26A, 26B, 26C, 26D, 26E Series Handsets**

Stock No.	Code	Description
211305	WCR-3J'	Neoprene Cord (straight) for No. 26C—4'6" (3 conductor)
211300	WCK-3J	Neoprene Cord (retractile) for No. 26D—4'6" (3 conductor)
211745	WCR-4J	Neoprene Cord (straight) for No. 26E—4'6" (4 conductor)
208243	WCN-3J	Nylon Cord for No. 26A—4'6" (3 conductor)
208663	WCN-4J	Nylon Cord for No. 26B—4'6" (4 conductor)
210279		Transmitter Assembly, No. 26A, 26B, 26C, 26D, 26E
210278		Receiver Assembly, No. 26A, 26B, 26C, 26D, 26E
210276		Ear Cap, No. 26A, 26B, 26C, 26D, 26E
210277		Mouthpiece, No. 26A, 26B, 26C, 26D, 26E
211275		Handle Assembly (Replacement for 26B and 26E Handsets) complete with wiring and contact springs
211233		Handle Assembly (Replacement for 26A, 26C, 26D Handsets) complete with wiring and contact springs

STOCK and CODE NUMBERS of NO. 26 HANDSETS				
Stock No.	Code	Standard Cord	Cord	Type Telephone Used On
210281	(26A)	WCN-3J	4'6"	1544, 1544B, 1544C, 1543, 2-1543
210282	(26B)	WCN-4J	4'6"	1544-K, 1544-P
211361	(26C)	WCR-3J	4'6"	1543, 1544, 2-1543, 1544-B, 1544-C
211362	(26D)	WCK-3J	4'6"	1573, 1575
211748	(26E)	WCR-4J	4'6"	1544-K, 1544-P

Revised 6-15-54

## STROMBERG-CARLSON RINGERS

Used on Stromberg-Carlson No. 1200, No. 1400 and No. 1500 Series Common Battery Telephones and No. 1248-58-68 Magneto Telephones.

The 1500 and 1400 Series Telephones use a single coil, high impedance ringer which is particularly advantageous on heavily loaded or noisy lines. The ringer unit is separate from the gongs which have their own mounting; thus individual ringers may be easily shifted to take care of changed number assignments. The 1248-58-68 Magneto Telephones continue to use the two-coil ringers with the gong mounting as part of the ringer assembly. Gongs are not furnished unless specified on the order.

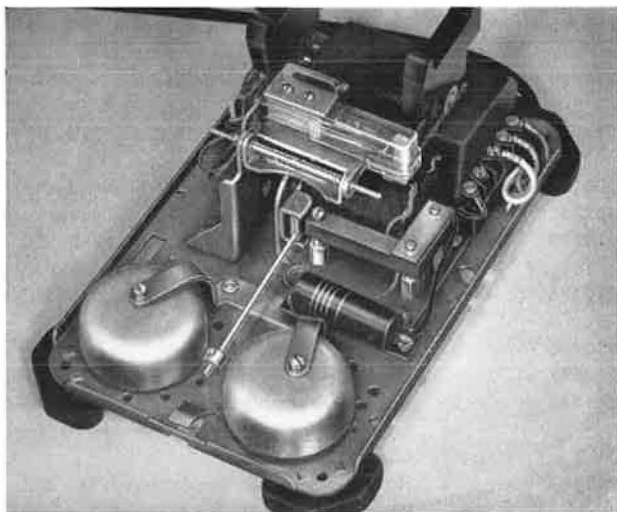
The two-toned (Hi-Lo) bells furnish a clear and pleasing tone which compels attention without being objectionable. All ringers are designed for ease in mounting; the only tool needed is a screwdriver.

Listed below are the ringers which are described in this section of the catalog. For older type ringers, used in earlier model telephones, see Section F—Coded Parts.

Ringer			
Code	Style	Handset Telephones	Desk Set Boxes
73	Tuned Frequency	1543	1560, 1561
74	Straight Line	1543	1560, 1561
71	Straight Line	1443A, 1447A, 1543BT	1560BT, 1561BT
72	Tuned Frequency	1443	
61	Straight Line	1243, 1247, 1248, 1250, 1258	1260, 1268
62	Tuned Frequency	1243, 1247, 1250	1260
65	Straight Line	1248, 1258	1268

### Gongs and Mounting Hardware

Stock No.	Description	Ringer Code
207745	Gong (Lo)	71, 72, 73, 74
207744	Gong (Hi)	71, 72, 73, 74
207683	Screw and Lockwasher Assembly	71, 72, 73, 74
38569	Gong (Hi)	61, 62, 65
28570	Gong (Lo)	61, 62, 65
28433	Screw	61, 62, 65
526281	Washers	61, 62, 65



No. 73 Ringer used in No. 1543 Telephone

### The No. 74A—Straight Line Ringer

This Ringer is used with No. 1543A Telephones and 1560A and 1561A Desk Set Boxes.

#### No. 74A—Ringer

Stock No.	Code	D.C. Resistance of Ringer Winding	Telephone and D.S. Box Used
210684	(74A)	5900 ohms, Straight Line	1543A, 1560A, and 1561A

#### Miscellaneous Parts

Stock No.	Description
*207684	Coil Assembly (74A)
*207754	Armature and Pivot Assembly
207766	Spring
†210720	Capacitor Assembly
44154	Cord (T.I.D.) Black
44156	Cord (T.I.D.) Red
20248	Conductor (Red)

### No. 73 Tuned Frequency Ringers

The No. 73 Ringers are used on the Stromberg-Carlson No. 1500 Series Telephones and Desk Set Boxes.

Stock No.	Code	D.C. Resistance of Ringer Winding	Frequency
210671	(73E)	5900 ohms	16 $\frac{2}{3}$
210672	(73N)	5900 ohms	25
210673	(73F)	5900 ohms	33 $\frac{1}{3}$
210674	(73G)	3670 ohms	50
210675	(73H)	2050 ohms	66 $\frac{2}{3}$
210676	(73R)	5900 ohms	16
210677	(73K)	5900 ohms	30
210678	(73L)	5900 ohms	42
210679	(73M)	3670 ohms	54
210680	(73P)	2050 ohms	66
210681	(73I)	5900 ohms	20
210682	(73Q)	5900 ohms	40
210683	(73J)	2050 ohms	60

#### Miscellaneous Parts

Stock No.	Description
*207747	Reed Armature Assembly (16 $\frac{2}{3}$ , 16, 20)
*207748	Reed Armature Assembly (25, 33 $\frac{1}{3}$ , 30, 40, 42)
*207749	Reed Armature Assembly (50, 54, 60)
*211252	Reed Armature Assembly (66 $\frac{2}{3}$ , 66)
*207684	Coil Assembly (16 $\frac{2}{3}$ , 25, 33 $\frac{1}{3}$ , 16, 30, 42, 20, 40)
*207668	Coil Assembly (66 $\frac{2}{3}$ , 66, 60)
*209546	Coil Assembly (50, 54)
†210720	Capacitor Assembly .47 (25 cycles)
†210721	Capacitor Assembly .22 (33 $\frac{1}{3}$ , 30)
†210722	Capacitor Assembly .15 (50, 66 $\frac{2}{3}$ , 42, 54, 66, 40, 60)
†210723	Capacitor Assembly .94 (16 $\frac{2}{3}$ , 16, 20)
44154	Cord (T.I.D.) Black
44156	Cord (T.I.D.) Red
20248	Conductor (Red)

\*We do not recommend any disassembly for repair of these ringers unless adequate facilities are available for remagnetization. The high efficiency Alnico magnets used in Stromberg-Carlson ringers must be remagnetized for optimum performance if the magnetic circuit is disturbed in disassembly.

† See chart for ordering information.

RINGERS (Cont.)

CODE AND ORDERING INFORMATION FOR CAPACITOR ASSEMBLIES

Stock Number	Rating	Used on Ringer	Capacitor Color Code
210720	.47 MF (1 Capacitor)	73N 25 Cycle 210672	Yellow-Violet-Yellow-White-Red
		74A S.L. 210684	
210721	.22 MF (1 Capacitor)	73F 33 $\frac{1}{3}$ Cycle 210673	Red-Red-Yellow-White-Yellow
		73K 30 Cycle 210677	
		73G 50 Cycle 210674	
		73H 66 $\frac{2}{3}$ Cycle 210675	
210722	.15 MF (1 Capacitor)	73L 42 Cycle 210678	Brown-Green-Yellow-White-Yellow
		73M 54 Cycle 210679	
		73P 66 Cycle 210680	
		73Q 40 Cycle 210682	
		73J 60 Cycle 210683	
		73E 16 $\frac{2}{3}$ Cycle 210671	
210723	.94 MF (2 Capacitors in parallel)	73R 16 Cycle 210676	Yellow-Violet-Yellow-White-Red
		73I 20 Cycle 210681	
		74B S.L. 210718	

No. 72 Tuned Frequency Ringers

The No. 72 Tuned Frequency Ringers are used exclusively with the No. 1400 Series Telephones.

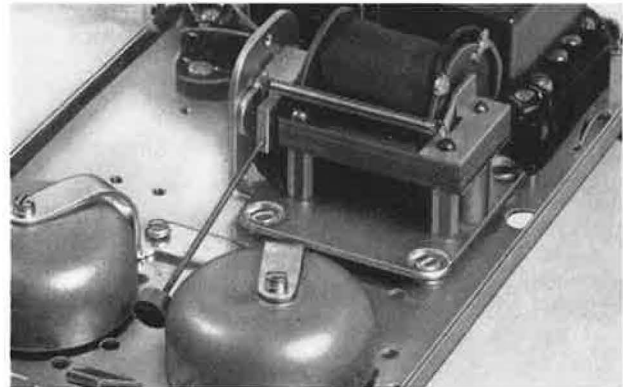
No. 72 Ringers

Stock No.	Code	D.C. Resistance of Ringer Winding	Frequency
207728	(72E)	5900 ohms	16 $\frac{2}{3}$
207729	(72N)	5900 ohms	25
207730	(72F)	5900 ohms	33 $\frac{1}{3}$
207731	(72G)	3670 ohms	50
207732	(72H)	2050 ohms	66 $\frac{2}{3}$
207733	(72R)	5900 ohms	16
207734	(72K)	5900 ohms	30
207735	(72L)	5900 ohms	42
207736	(72M)	3670 ohms	54
207737	(72P)	2050 ohms	66
207738	(72I)	5900 ohms	20
207739	(72Q)	5900 ohms	40
207740	(72J)	2050 ohms	60

Miscellaneous Parts

Stock No.	Description
*207684	Coil Assembly (16 $\frac{2}{3}$ , 25, 33 $\frac{1}{3}$ , 16, 30, 42, 20, 40)
*207668	Coil Assembly (66 $\frac{2}{3}$ , 66, 60)
*209546	Coil Assembly (50, 54)
*207747	Reed Armature Assembly (16 $\frac{2}{3}$ , 16, 20)
*207748	Reed Armature Assembly (25, 33 $\frac{1}{3}$ , 30, 42, 40)
*211252	Reed Armature Assembly (50, 54, 60, 66 $\frac{2}{3}$ )
44154	Cord (T.I.D.) Black
44156	Cord (T.I.D.) Red

\*We do not recommend any disassembly for repair of these ringers unless adequate facilities are available for remagnetization. The high efficiency Alnico magnets used in Stromberg-Carlson ringers must be remagnetized for optimum performance if the magnetic circuit is disturbed in disassembly.



No. 71A and 71B Straight Line Ringers

These ringers are used on the Stromberg-Carlson No. 1400 and No. 1500 Series Telephones. They are of the Straight Line type and are used on common battery telephones.

Stock No.	Code	D.C. Resistance of Ringer Winding	Telephone Used
207690	(71-A)	5900 ohms, Straight Line	1443, 1447, 1460
208722	(71-B)	2050 ohms, Straight Line	1543, 1560, 1561 1443, 1447, 1460

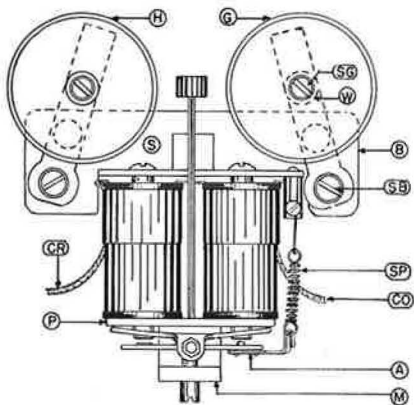
Miscellaneous Parts

Stock No.	Description
*207684	Coil Assembly (71-A)
*207754	Armature and Pivot Assembly
207766	Spring
*207668	Coil Assembly (71-B)
44154	Cord (T.I.D.) Black
44156	Cord (T.I.D.) Red

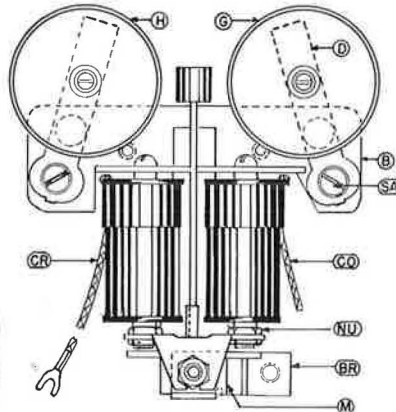
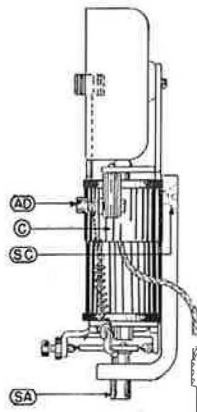
\*See footnote in preceding column.

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## RINGERS (Cont.)



No. 61 Type Ringer



No. 62 Type Ringer

### No. 61A and No. 61S Biased Type Ringer

The Nos. 61A and 61S ringers are of a straight line biased type and used principally on both magneto and common battery telephones and their allied desk set box.

Stock No.	Code	D.C. Resistance of Ringer Winding	Telephone or D.S. Box Used
801911	(61-A)	1800 ohms	1248, 1258, 1268
801912	(61-S)	4850 ohms	1248, 1258, 1268

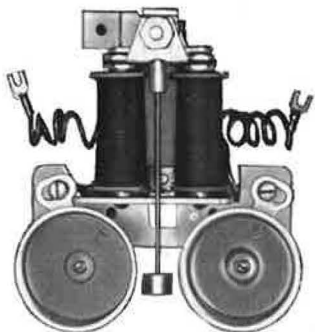
### No. 61 Biased Type Straight Line Ringer

#### Miscellaneous Parts

Stock No.	Item	Name
* 34785	A	Armature Assembly
34668	AD	Adjusting Stud
* 27980	C	Coils (61-A Ringer)
* 34950		Coils (61-S Ringer)
44154	CO	Cord (Black)
28569	CR	Cord (Red)
* 62997	M	Magnet
503520	SB	Screws (Gong adjusting)
16060	SP	Spring (Biasing)

Gongs and mounting hardware shown on previous page.

\*See footnote at bottom of adjacent column.



No. 62 Ringer

### No. 62 Type Ringers—Tuned Frequencies

Stock No.	Code	D.C. Resistance of Ringer Winding	Frequency
803475	(62-E)	4320	16 $\frac{2}{3}$ cycles
803476	(62-F)	780	33 $\frac{1}{3}$ cycles
803477	(62-G)	780	50 cycles
803479	(62-H)	780	66 $\frac{2}{3}$ cycles
803480	(62-N)	4320	25 cycles
803481	(62-K)	780	30 cycles
803482	(62-L)	780	42 cycles
803483	(62-M)	780	54 cycles
803484	(62-P)	780	66 cycles
803485	(62-R)	4320	16 cycles
803474	(62-I)	4320	20 cycles
803478	(62-J)	780	60 cycles
205984	(62-Q)	780	40 cycles

### No. 62 Tuned Frequency Ringer (Miscellaneous Parts)

Stock No.	Item	Name	Frequency
*210705	AR	Armature-Reed Assembly	16, 16 $\frac{2}{3}$ , 20
*210706		Armature-Reed Assembly	25, 30, 33 $\frac{1}{3}$
*210707		Armature-Reed Assembly	42, 40
*210708		Armature-Reed Assembly	50, 54, 60, 66, 66 $\frac{2}{3}$
* 27981	C	Coil (No. 62F, G, H, J, K, L, M, P, Q)	
* 27982		Coil (No. 62I, E, N, R)	
44154	CO	Cord (T-I-D) Black	
44156	CR	Cord (T-I-D) Red	
* 28021	M	Magnet	
503520	SA	Screw (Gong Adjusting)	
204364		Setscrew (Armature Wt.)	

Gongs and mounting hardware shown on previous page.

\*We do not recommend any disassembly for repair of these ringers unless adequate facilities are available for remagnetization. The high efficiency Alnico magnets used in Stromberg-Carlson ringers must be remagnetized for optimum performance if the magnetic circuit is disturbed in disassembly.

**RINGERS (Cont.)**

**No. 65C, 65F Straight Line (Magneto) Type**

Stock No.	Code	D.C. Resistance of Ringer Winding	Description
201754	(65-C)	3100 ohms	Straight Line
201755	(65-F)	4850 ohms	Straight Line

**No. 65B—Biased Type Ringer (Magneto)**

Stock No.	Code	D.C. Resistance of Ringer Winding	Description
202880	(65-B)	3100 ohms	Biased Type

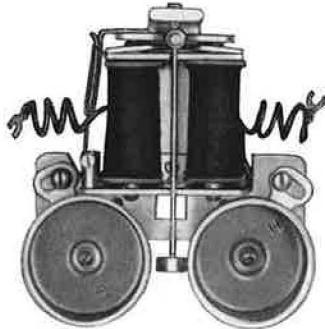
**No. 65-B Biased Ringer  
(Miscellaneous Parts)**

Stock No.	Description
* 34785	Armature Assembly
*201751	Coils (2) 65-B Ringer
16060	Biassing Spring

Gongs and mounting hardware shown on previous page.

Other parts of the No. 65-B Ringer are the same as in the Nos. 65-C, and 65-F Ringers.

\*We do not recommend any disassembly for repair of these ringers unless adequate facilities are available for remagnetization. The high efficiency Alnico magnets used in Stromberg-Carlson ringers must be remagnetized for optimum performance if the magnetic circuit is disturbed in disassembly.



No. 65 Ringer With Biassing Spring

**Miscellaneous Parts of Nos. 65-C, and 65-F Ringers**

Stock No.	Name
503520	Screws (2) Gong Adjustment
62997	Magnet
* 27973	Armature Assembly
*201751	Coil (2) 65-C Ringer
* 34950	Coil (2) 65-F Ringer
44154	Cord T-I-D, 9" Black
44156	Cord T-I-D, 9" Red

Gongs and mounting hardware shown on previous page.

\*See footnote at bottom of adjacent column.

These pages have listed the Ringers currently in use on Stromberg-Carlson Telephones. Complete ringers and ringer parts are available for replacement in models preceding the 1243-1248 series. For descriptions, see Coded Parts (Section F) under Ringers.

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## FORMER MODELS OF HANDSET TELEPHONES

(These models are no longer manufactured: parts only are available)

Parts for the No. 1243, 1244, 1247, 1250 Telephones and the No. 1260 Desk Set Box are available for replacements. The No. 1243 is the standard desk telephone of this series, complete with ringers and coil-capacitor unit. The No. 1244 is a telephone, without ringers, that can be used as an extension telephone, or as part of a two-piece set. The No. 1247 Telephone has a common battery signaling and local battery talking circuit for greater

efficiency on long common battery rural lines. The No. 1250 Telephone is the equivalent of the No. 1243 series except that it is designed for wall installation. The No. 1260 Desk Set Box is the companion piece to the No. 1244 Telephone.

Small type dials, previously described, are used on these instruments.

Ringers appear on preceding pages.



No. 1243 Telephone with Dial



No. 1244 Telephone for Manual Operation

### PARTS OF NO. 1243-W, 1244-W AND 1247-W

Telephone Parts  
Used Commonly Unless Otherwise Specified

Stock No.	Description
32883	Housing
205670	Base Plate
41563	Screws (2) (Housing to plate)
35808	Feet (4)
35709	Dial Blank
28479	Card
25404	Protector
23766	Cap

#### Line Cords and Terminal Block

Stock No.	Description
208244	(WDN-3-J), 6' Cord (1243-W, 1247)
201374	(WD-4-G), 6'6" Cord (1244-W)
205106	Terminal Block

#### Handset Parts

Stock No.	Description
208247	(23-N) Handset with Waterproof Cord (1243W-1244W)
202237	(24-N) Handset with Waterproof Cord (1247W)
208243	WCN-3-J, Cord (Blk), 3 Cond. Used with 23-N Handset
208663	WCN-4-J, Cord (Blk), 4 Cond. Used with 24-N Handset
203397	Handle Replacement Assembly (3 Cond.)
203398	Handle Replacement Assembly (4 Cond.)
206424	Transmitter (Capsule)
34230	Receiver (Capsule)
32863	Mouthpiece
32864	Ear Cap

Ringer Parts (No. 1243-W and 1247 Only)

Stock No.	Description
801911	(61-A) Ringer—1800 Ohms Less Gongs (S. L. Biased)
801912	(61-S) Ringer—4850 Ohms Less Gongs (S. L. Biased) (optional on all telephones)
	No. 62 Type Ringer—(Tuned Frequency)
25869	Gong } Pair
25870	Gong }
28433	Screws (2)
526281	Washers (2)

For other ringer parts see No. 61 and 62 Ringers on preceding pages in this section.

#### Induction Coil and Capacitor

Stock No.	Description
200595	Ind. Coil-Cap Unit (In casing) No. 1243-W, 1247
35824	Screws (4) To mount casing (No. 1243-W, 1247)
200604	Induction Coil (No. 1247 Only) (In local battery talking circuit)

#### Rare Gas Relay and Ringing Tube

Stock No.	Description
35825	Package Assembly (Vincent Relay)
35827	Package Assembly (W. E. No. 333-A Tube)
208120	Package Assembly (W. E. No. 426-A Tube)

#### Dial Cables

Stock No.	Description
35861	Dial Cable (1243-W, 1247-W, 1250-W)
37002	Dial Cable (1244)
207037	Dial Cable (5 Conductor)

NOTE—These telephones use small dials, described before.

FORMER MODELS (Cont.)

PARTS OF THE NO. 1250-W WALL TYPE TELEPHONE



No. 1250 Wall Telephone

Telephone Parts

Stock No.	Description
41561	Housing (Plastic)
35809	Base Plate
35808	Feet (4)
208073	Plungers (2)

Handset Parts

Stock No.	Description
208247	(23-N) Handset complete, with waterproof Cord
208243	Cord (Black) WCN-3-J, 4'6"
203397	Handle Replacement Assembly (3 Cond.)
206424	Transmitter (Capsule)
32863	Mouthpiece
34230	Receiver (Capsule)
32864	Ear Cap

Hookswitch Parts

Stock No.	Description
42158	Complete Spring Combination
35860	Cable, Hookswitch

Ringer Parts

Stock No.	Description
801911	(61-A) Ringer (Less Gongs) 1800 Ohms S. L. Biased
801912	(61-S) Ringer (Less Gongs) 4850 Ohms S. L. Biased
	No. 62 Type Ringer (Tuned Frequency)
25869	Gong } Pair
25870	Gong }
28433	Screws (2)
526281	Washers (2)

For harmonic frequencies and additional parts see No. 61 and 62 Type Ringers on preceding pages of this section.

Induction Coil and Capacitor

Stock No.	Description
200595	Ind. Coil-Cap. Unit (In plastic casing)
35824	Screws (4) to mount casing

Dial and Dial Blank Parts

Stock No.	Description
35709	Dial Blank
28479	Card
25404	Protector
23766	Cap
35861	Dial Cable
515423	Screw (Dial)

NOTE—See description of small dials used with these telephones on preceding pages.

Optional Features

Stock No.	Description
35825	Package Assembly (Vincent Rare Gas Relay)
35827	Package Assembly (W.E. No. 333-A Tube)
208120	Package Assembly (W. E. No. 426-A Tube)

PARTS OF NO. 1260 DESK SET BOX

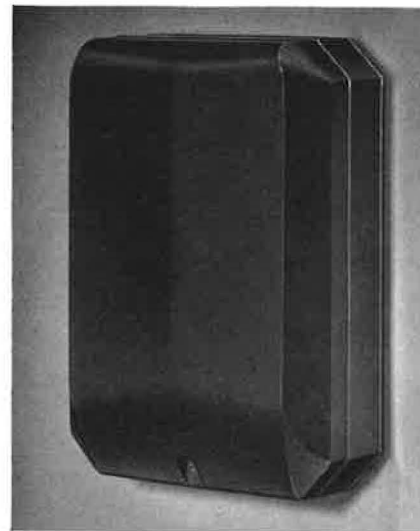
Housing Assembly Parts

Stock No.	Description
41562	Housing
41710	Retaining Screw
35809	Base Plate
35808	Feet (4)
200595	Coil and Capacitor Assembly
35814	Connectors (3) Terminal block
41566	Connectors (4) Terminal block

Ringer Parts

Stock No.	Description
801911	(61-A) Ringer (Less Gongs) 1800 Ohms S. L. Biased
801912	(61-S) Ringer (Less Gongs) 4850 Ohms S. L. Biased
	No. 62 Type Ringer (Tuned Frequency)
25869	Gong } Pair
25870	Gong }
28433	Screws (2)
526281	Washers (2)

For harmonic frequencies and additional parts see No. 61 and 62 Type Ringers on preceding pages of this section.



No. 1260 Desk Set Box