



Connecticut ELEPHONES *for*

INTERIOR USE

JAN 11 1916

Catalog Twenty Four

Catalog No. 24

Intercommunicating Telephones for Interior Use

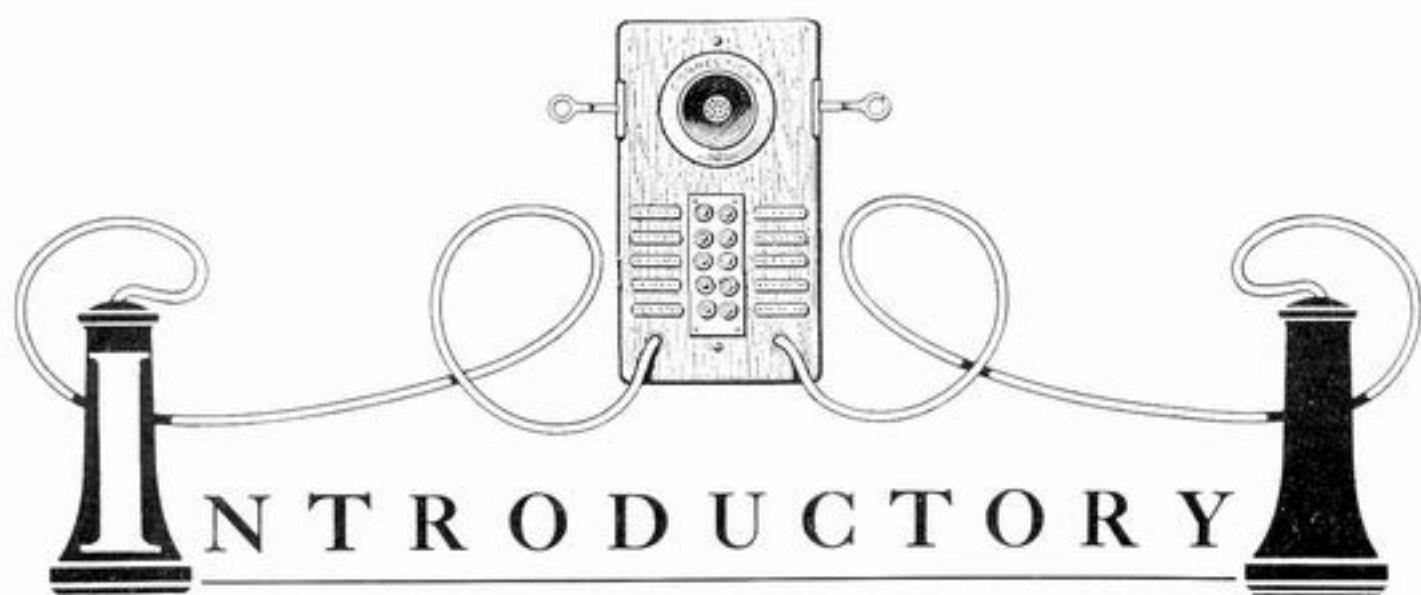


CONNECTICUT
TELEPHONE & ELECTRIC CO.
(INC.)
MERIDEN
CONN.
-U-S-A-

CABLE ADDRESS, "TELEPHONE"
A·B·C· OR W·U· CODE.

1915-1916

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.



WE DO not feel that we need an introduction to the Telephone Public, but present herewith some of our improved and latest designs in interior telephone apparatus. You will note that careful design, high-grade material and skilled workmanship have all been embodied in these instruments. Our apparatus is the result of time, energy, brains, experience, hard work and money and it has resulted in placing our equipment at the head of the list.

EXPERIENCE

We have been manufacturing electrical instruments and telephones exclusively for over twenty years, and have gained a reputation with the trade which makes our name the "standard for quality."

FINISH

Owing to the large number of wood finishes required, we have adopted as our standard, dark golden oak, and for flush metal phones, brush brass, polished brass or nickel finish. These we consider as standard and will be furnished unless otherwise specified. **Special finishes will be furnished to order at slight additional charge.**

FACILITIES

We own our own factory, boilers, power, plant, etc., so that we are enabled to produce the finest goods at the lowest cost. We are not hampered with high rent or cramped space. Our factory facilities enable us to turn out the finest possible grade of apparatus, and sell them at prices approximating inferior apparatus.

GUARANTEE

Connecticut apparatus is guaranteed for one year to be free from mechanical and electrical defects, and we will make good without charge during this period any defective apparatus which may be caused through any fault of our factory.

TERMS

All shipments are F. O. B. Meriden, Conn., terms net thirty (30) days, or 2% discount if paid in ten (10) days from date of invoice.

Those unknown to us, unless satisfactorily rated by the commercial agencies, should send references with first order. This will save delay.

We stand ready at all times to correct errors on our part, but no goods will be accepted for credit after thirty (30) days from date of delivery. A 10% service charge will be made on goods returned to cover cost of handling. Name and address of shipper should be marked plainly on all packages returned.

Prices are subject to change without notice.



AUTOMATIC NON-INTERFERING TELEPHONES

We illustrate herewith the construction of the Connecticut automatic push button switch which is used in all our automatic intercommunicating telephones.

While this was one of the first automatic button switches placed on the market, only minor changes have been found necessary since the original model was produced. This is proof of the advanced design and construction of this switch and also of the exacting requirements that our goods have to meet before they are passed by our engineers as being worthy of the name plate "Connecticut." This switch has many very important features not found in any other make.

The contact springs are of the very best grade of phosphor-bronze, the contacts are rubbing and are more positive the longer they are used. The line wires are connected direct to the contact springs with machine screws, doing away with all soldered joints. The automatic switch, hook and in fact all removable parts are self contained and mounted as a unit, entirely independent of the telephone cabinet. The frame of the switch is all metal with hard rubber insulation. The construction is rigid and insures positive operation in all sorts of temperatures. The automatic phones as illustrated on pages 4, 5 and 6 are very simple and have fewer springs than any other make. When the cover of the box is removed, all connections are in sight and can be inspected in their working conditions without disconnecting a wire.

There are more Connecticut automatic non-interfering phones in use than any other two makes combined. They are in successful operation in all parts of the world.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

AUTOMATIC TELEPHONES

These instruments are recommended as the highest standard for intercommunicating service. The operation of this system is automatic. Pushing button calls party desired; hanging up receiver restores button automatically. No special restoring or ringing buttons are required.

This system is non-interfering although a common return circuit is used, see page 36. Standard finish for wood work is golden oak. Special finish bears an extra charge.



No. 35-B

GENERAL OR SUPERINTENDENT'S CALL

We furnish a special multiple push button to be used with any of our automatic phones. This button rings all the bells of the phones simultaneously so that the superintendent may answer at nearest station. This can also be used for a general call or fire alarm. When this button is used, phones should be ordered with 20 ohm bells.

No. 34 -

One button Sup't call for 10 station telephone	\$ 8.00
Two " " " " 16 " "	10.00
Two " " " " 20 " "	10.00

METALLIC CIRCUIT AUTOMATIC

Can be used for Exchange Connection

Any of our different types of automatic telephones are furnished for Metallic Circuit, System No. 3, page 37. This system should always be used when absolutely non-interfering service is desired. All metallic circuit phones may be used to connect with one or more trunk lines to a public telephone exchange. When this service is desired two buttons are used for each trunk line, one to connect to the trunk and the other termed a retaining button for holding the trunk line while calling another party. One trunk retaining relay will be required for each retaining button, for common battery. Extra list, \$8.00.

NO. 35-B WALL TYPE

This illustrates our standard wall automatic—it is furnished with our long distance transmitter and receiver and is our most popular type for intercommunicating work. Switch mechanism is designed and guaranteed to stand years of hard service. The talking circuit has been carefully and scientifically designed.



No. 56-B

Code Word	Style No.	System No.	Price 8 Buttons or Less	Extra Buttons per Set of 2	Fin.	Special Finish Extra
Adir	35B	1	\$15.50	\$1.30	Oak	\$2.00
Arid	35M	3	18.70	2.10	Oak	2.00

No. 35 B has Common Return Circuit. No. 35M Metallic.

20 ohm bells, extra per telephone .80

Standard sizes are 8, 10, 12, 16, and 20 buttons.

NO. 56-B WITH HAND MICRO-PHONE

This set is furnished with the Connecticut hand microphone which can be located on the wall within easy reach. The hand phone is convenient, it can be held in any position while in use.

Code Word	Style No.	System No.	Price 8 Buttons or Less	Extra Buttons per Set of 2	Fin.	Special Finish Extra
Ator	56B	1	\$20.20	\$1.30	Oak	\$2.00
Arto	56M	3	23.40	2.10	Oak	2.00

No. 56B has Common Return Circuit. No. 56M Metallic.

Standard sizes are 8, 10, 12, 16, and 20 buttons.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

AUTOMATIC TELEPHONES—Cont.

NO. 59-A FLUSH AUTOMATIC TELEPHONE



No. 59-A

This type is the highest standard for residence service. It is fitted with our highest grade long distance parts throughout, and the Connecticut automatic switch, the operation of which is described on page 3. The front plate is of heavy brass with beveled edges. Heavy stamped metal outlet boxes are included with knockout holes, in top and bottom, which allows the use of iron conduit, also when cable is installed between partitions.

Outlet boxes can be ordered in advance if desired and placed in position while building is in course of construction. Name cards are protected by transparent celluloid. Size of metal face plate, for 8 buttons or less is 12" x 6 $\frac{1}{4}$ ". Make wall opening 10 $\frac{3}{8}$ " x 4" x 4 $\frac{3}{8}$ ". Length of plate and wall opening increases $\frac{1}{16}$ inch for each 2 buttons above 8.

Code Word

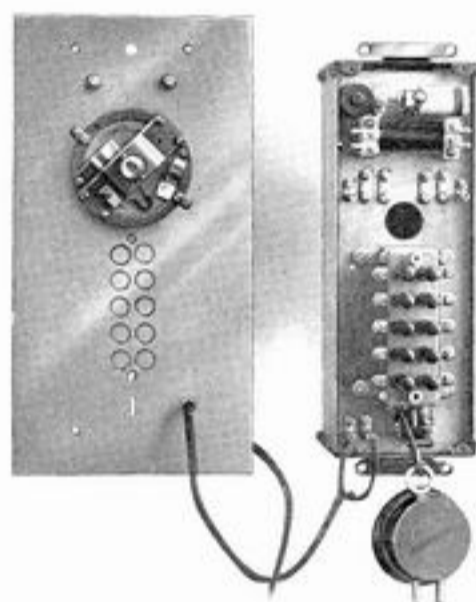
List Price

Adin	No. 59-A	8 buttons or less, common return circuit	\$20.20
Avis	No. 59-M	8 buttons or less, metallic circuit	23.40
		Buttons above 8, common return, per set of 2	1.30
		Buttons above 8, metallic circuit, per set of 2	2.10

Prices include metal outlet boxes.

Wood fronts furnished at same price as metal.

Standard sizes are 8, 10, 12, 16, and 20 buttons.



Open View of No. 59-A

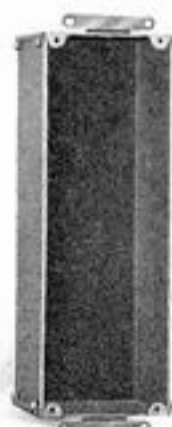
NO. 59-A AUTOMATIC WITH FRONT PLATE REMOVED

We illustrate herewith our flush automatic telephone with front plate removed. While installing, this plate is taken off so that all connections can be made with the least amount of labor. The automatic switch and working parts are assembled on a mounting board which is placed in the outlet box. Wires are connected direct to the contact springs by machine screws doing away with all soldered connections. Heavy metal outlet boxes are included. If desired, these boxes may be shipped in advance of the telephones and placed in position while building is in course of construction.

NO. 199 OUTLET BOXES

Our outlet boxes are made in different sizes for our flush phones. They are constructed of heavy metal and are provided with two knockout holes at each end. Two ears at top and bottom support the box to the wall. They are so arranged that they are reversible for new or old work.

Inside of box is marked to show the location of transmitter when phone is mounted in place. Contractors will find this is of help in locating the height of boxes in new buildings.



No. 199

No. 199-A	Outlet box for telephones Nos. 58 and 60	\$1.50
	Knockout holes are $\frac{7}{8}$ " for $\frac{1}{2}$ " conduit and T and B bushings.	
No. 199-B	Outlet box for telephones 54-A, 59-A, 38-A and 56-A	2.50
	Knockout holes are 1 $\frac{3}{8}$ " for $\frac{3}{4}$ " conduit and T and B bushings.	

When ordering outlet boxes without telephones, state style of phone and number of buttons. Wall depth required for all sizes, 4 $\frac{3}{8}$ ".

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

AUTOMATIC TELEPHONES

NO. 38-A FLUSH TYPE



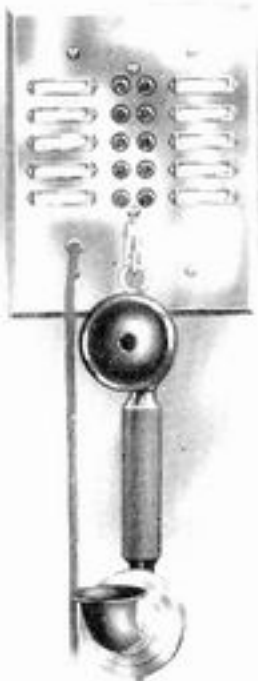
No. 38-A

This set is designed principally for residence systems, the automatic button box being flush for wall mounting in connection with writing desks or other suitable locations. Standard finish of plate is brush brass, nickel or polished brass, but metal parts can be furnished in any desired finish at a slight additional charge.

Size of plate for 8 buttons or less is $8\frac{1}{8}'' \times 6\frac{1}{4}''$. Heavy stamped metal outlet box is included with the above. Make wall opening $6\frac{3}{8}'' \times 4''$. Length of plate and wall opening increases $\frac{1}{16}''$ for each 2 buttons above 8.

Code Word	List Price
Aristo No. 38-A Flush Desk Type, 8 buttons or less common return circuit	\$27.00
Aristan No. 38-C Flush Desk Type, 8 buttons or less metallic circuit...	29.50
Buttons above 8, common return circuit per set of 2	1.30
Buttons above 8, metallic circuit per set of 2	2.10

NO. 56-A FLUSH TYPE



No. 56-A

This set is similar to style No. 56-B with the exception that the working parts are made up special for flush mounting. It is particularly adapted for bedroom use, or in times of sickness as the hand phone can be held in any position while in use. Prices are based on standard finishes of brush brass, nickel, or polished brass. Any finish can be supplied at a slight additional charge.

Size of plate for 8 buttons or less is $7\frac{3}{4}'' \times 6\frac{1}{4}''$. Steel outlet box is included with the above. Make wall opening $6'' \times 4''$. Length of plate and wall opening increases $\frac{1}{16}''$ inch for each 2 buttons above 8.

Code Word	List Price
Astor No. 56-A Flush, 8 buttons or less, common return circuit..	\$25.00
Astant No. 56-C Flush, 8 buttons or less, metallic circuit,	28.20
Buttons above 8, common return circuit per set of 2	1.30
Buttons above 8, metallic circuit per set of 2	2.10

NO. 38-B DESK TELEPHONE



No. 38-B

This style of full automatic desk phone is to be preferred over other automatic desk phones which are arranged with push buttons in base, which are apparently handy, but mechanically incorrect. With this style the ordinary desk cord can be used, thus doing away with the liability of broken wires in desk stand cable. It is absolutely positive in its action and can be mounted on the wall, or used in connection with roll or flat top desks.

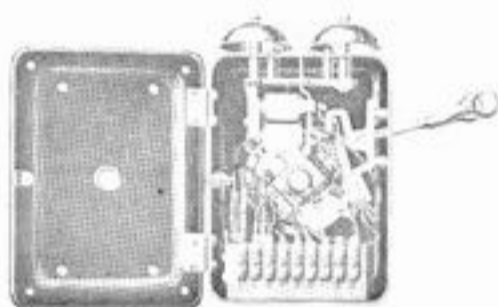
Code Word	List Price
Antor No. 38-B Desk Phone, 8 buttons or less, common return circuit..	\$22.60
Artant No. 38-M Desk Phone, 8 buttons or less, metallic circuit	25.80
Buttons above 8, common return circuit per set of 2	1.30
Buttons above 8, metallic circuit per set of 2	2.10
Extra for special finish,	2.00

NOTE:—Standard sizes for 38-A, 56-A and 38-B are 8, 10, 12, 16 and 20 Buttons.

INTERCHANGEABLE TELEPHONES



No. 50
Metal Case



Open View

We have solved the problem for a phone which can be carried in stock for immediate delivery ready for practically all systems. It is of course a well-known fact that all phones must be specially wired for the service required, and it has not been advisable for the average jobber or dealer to carry phones in stock on account of the large variety of systems for which any one phone can be wired.

This phone is fitted with jumper cords inside phone (see open view). By changing the cords to correspond with diagram furnished with each instrument, (see page 58) any interior wiring can be secured. This telephone can be purchased from the stock of your jobber and if necessary, it can be installed the very day the order has been received. This is the most up-to-date battery call telephone on the market. Case is stamped metal, dull black finish. All exposed parts are nickel plated.

Code Word		List Price
Inta No. 50	Interchangeable wall phone.....	\$ 9.60
Intar No. 51	Interchangeable desk phone.....	17.00

JUNCTION BOXES



No. 106

Our junction boxes are designed for use in place of splices for telephone cables, bells, annunciator work, etc. Not only is this box a labor saver but all connections may be inspected at any time. From any junction box, circuits may be opened and tested without the use of a soldering iron.

The brass connections are so arranged that wires may be soldered or fastened with machine screws. Each connector is numbered.

106—14	Connectors,	\$ 3.30
106—20	"	4.40
106—24	"	5.50
106—30	"	6.60
106—34	"	7.70
106—36	"	7.90
106—44	"	8.80
106—56	"	10.50
106—64	"	12.30

NO. 62-H. HAND TELEPHONE SET Common Talking

Our No. 62-H is designed to fill the demand for common talking hand microphone sets (see multiple telephones pages 8 and 9.)



No. 62-H

Code Word	Style No.	System No.	Finish	Price 4 buttons or less	Extra Buttons
Hamo	62-H-6	6	Dull	\$16.60	\$.36
Hizf	62-H-12-A	12-A	Black	16.60	.36
Hult	62-H-19	19		16.60	.36

Standard sizes are 4, 8, and 12 buttons.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

MULTIPLE TELEPHONES

These telephones are not non-interfering but are used on a common talking circuit system, the talking circuit of all instruments being connected to one pair of wires common to all stations. It will be understood that only two telephones on a system can be in use at the same time. Card holders are furnished with transparent celluloid strips to protect name cards.

Standard cabinet finish is golden oak. Special finishes bear an extra charge.



No. 52

NO. 52 WALL TELEPHONE

This is the standard wall type for this system. They are efficient, well finished, and fitted with our long distance transmitter and with standard or watch case receiver.

Code Word	Style No.	System No.	Finish	Price, 4 Buttons or less	Extra Buttons
Come	52-6	6	Oak	\$12.60	\$0.36
Cone	52-12-A	12-A	Oak	12.60	.36
Comer	52-19	19	Oak	12.60	.36

NOTE—No. 52 with Watch Case Receiver. List \$11.40.
Additional Buttons, Each, List \$0.36.
Special Finish Extra List \$2.00.



No. 52-A

NO. 52-A DESK TELEPHONE

This style is furnished with a push button block with card holder as illustrated, also 6 feet of green silk cord to desk stand. Button block can be furnished with weighted base if desired for portable use. It is furnished complete with buzzer. No. 52-C has flush button block.

Code Word	Style No.	System No.	Finish	Price, 4 Buttons or less	Extra Buttons
Cave	52-A-6	6		\$16.10	\$0.36
Cuvo	52-A-12-A	12-A	Handle	16.10	.36
Cudo	52-A-19	19	and	16.10	.36
Ciret	52-A-17	17	Base	16.10	.36
Cilt	52-C-6	6	Dull	17.10	.60
Celto	52-C-12-A	12-A	Black	17.10	.60
Cino	52-C-19	19		17.10	.60

Extra for weighted button block for Portable use. List \$1.50.

NOTE—Hand Telephone Set can be furnished wired for above systems at prices quoted.

NO. 52-B DESK TELEPHONE

This style is furnished with buttons mounted in base of stand for calling, and 6 feet of flexible green silk cable to desk stand. Equipment includes terminal box with buzzer and line terminals. Not made in over 10 buttons.

Illustration shows handle of phone equipped with special directory plate which is included without extra charge.



No. 52-B

Code Word	Style No.	System No.	Finish	Price, 4 Buttons or less	Extra Buttons
Carno	52-B-6	6	Base and	\$21.60	\$0.96
Cuno	52-B-12-A	12-A	Handle	21.60	.96
Civet	52-B-19	19	Dull	21.60	.96
Civo	52-B-17	17	Black	21.60	.96

NOTE.—Standard sizes for No. 52, 52-A and 52-B are 8, 10 and 12 Buttons.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

MULTIPLE TELEPHONES—Cont.

NO. 54-A FLUSH TYPE



No. 54-A

This telephone is designed for residence service where flush instruments are required. It is regularly equipped with watch case receiver. Card holders are furnished with transparent celluloid strips to protect name cards. The buttons are not automatic—special single point push buttons are furnished. Standard finish, brush brass, polished brass or nickel. Special finishes bear extra charge.

Working parts of this phone are covered by a heavy tin casing protecting them from dirt, etc. In cases where iron conduit is used metal outlet boxes are necessary.

Front plate is of beveled brass, size 12" x 6 $\frac{1}{4}$ " for 10 buttons or less. Make wall opening for 8-button size 10 $\frac{3}{8}$ " x 4" x 4 $\frac{3}{8}$ ". Length of plate and wall opening increases $\frac{1}{16}$ " for each two buttons above 10.

Code Word	Style No.	System No.	Standard Finish	Price, 4 Buttons or less	Extra Buttons
Dato	54-A 6	6	Br. Brass	\$14.40	\$0.60
Dinto	54-A 12-A	12-A		14.40	.60
Dito	54-A 19	19		14.40	.60

Prices include wood or metal fronts.

Metal outlet boxes, No. 199, page 5, extra \$2.00.



No. 62

NO. 62 WALL TELEPHONE

This illustration shows our latest multiple phone. It is furnished with heavy stamped metal case and can be used in place of the No. 52 wall phone if desired. Case is heavily coated with black enamel and all exposed parts are nicked, making an extremely handsome instrument. Made only in five buttons.

Code Word	Style No.	System No.	Standard Finish	Price 5 Buttons
Danto	62-6	6	Dull Black	\$11.80
Deco	62-12-A	12-A	Dull Black	11.80
Dico	62-19	19	Dull Black	11.80

NO. 32 WALL TELEPHONE

This is a high grade low priced telephone. All parts are strong, well made and the workmanship is of the best. It is recommended for System No. 6, page 38, with induction coil. For System No. 17 one impedance coil, No. 100, page 33, is required for each system. See Desk phones, page 8.



No. 32

Code Word	Style No.	System No.	Standard Finish	Price 5 Buttons
Date	32-17	17	Oak	\$8.50
Dimo	32-6	6	Oak	9.50
Dum	32-12-A	12-A	Oak	9.50
Day	32-19	19	Oak	9.50

No. 100 impedance coil (see page 33), for System No. 17, \$1.00.

APARTMENT HOUSE SYSTEMS.

THREE AND FOUR GANG LETTER BOX UNITS



No. 66 3-Gang

This outfit consists of two types, one of three letter boxes and one of four. Each unit consists of a single brass plate which carries the mail boxes. The advantage of this type is greater mail capacity and the fact that each unit takes up less wall space than a similar number of single letter boxes. The letter box opening is wider than ordinary boxes—envelopes up to 4½" x 11" can be inserted without folding. Furthermore the outfit can be installed in one third the time required for a similar number of single letter boxes. On page 8 we illustrate the method of mounting letter boxes with our flush telephones. No outside border mat is required as the face plate of these letter boxes has a sufficient margin to take care of a large overlap. We furnish these units so that no keys will be the same on any grouping.

Code Word	List Price
Lettox No. 66—3-Gang Letter Box unit	\$11.50
Lettex No. 67—4 " " " "	15.40

Standard finish is brush brass, other finishes bear an additional charge.

WIRING SYSTEMS

We list in our catalog several systems for apartment house service which we find covers all practical needs for this class of service. We are in a position, however, to design special systems, but our experience has been that the systems listed cover the majority of installations. Complete wiring diagrams are packed with each shipment. The following systems are described fully in catalogs No. 23 and 24.

Common Talking System No. 22, page 48—designed for apartment house service where it is only desired between vestibule and suites and where it is not important that the system be non-interfering.

Common Talking Cordless System No. 24, page 49—designed for service between vestibule and suites similar to system No. 22, using cordless vestibule set No. 86, page 11. Where janitor's service is desired similar to system No. 21 use diagram No. 27 page 50.

Non-Interfering System No. 23, page 45—designed for apartment house service where it is only desired between vestibule and suites and where it is an advantage to prevent any suite telephones from listening to conversations between vestibule and another suite.

Common Talking System No. 21, page 46—designed for apartment house service where it is desired between vestibule, suites and janitor, also trade telephone and where it is not important that the system be non-interfering.

Non-Interfering System No. 26, page 44—designed for apartment house service where it is desired between vestibule, suites, janitor and trade telephone and where it is important that any number of conversations be held at the same time without interference.

Note: Button can be placed on each suite telephone to operate electric door opener if desired.



No. 67 4-Gang

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

CORDLESS VESTIBULE SET Common Talking



No. 86 Cordless Vestibule Telephone grouped with 3 No. 66 Letter Box units.

Our new cordless set is designed to eliminate theft of receivers and cords, also possible bending and breaking of switch hooks. It will be noted that the front of this cordless telephone is absolutely flush—there is nothing on the face plate except the card holders, buttons, and perforated sound openings which are protected by a bug proof brass screen.

There is no question but what the new cordless set will revolutionize the construction of vestibule telephones. It is not only theft proof but simple in construction and operation, therefore not liable to get out of order. To operate it is simply necessary to push the button of the party wanted. The answer will be received through the perforated sound openings and conversation can be carried on just the same as though the party was in front of you. This is made possible by a specially constructed loud talking transmitter and receiver mounted behind the front plate.

No. 86 Cordless Vestibule telephone only. 3 Buttons, Brush Brass, list price \$25.30

Add 70 cents list for each additional button above 3.

Prices are based on Brush Brass Finish, other finishes bear an additional charge.

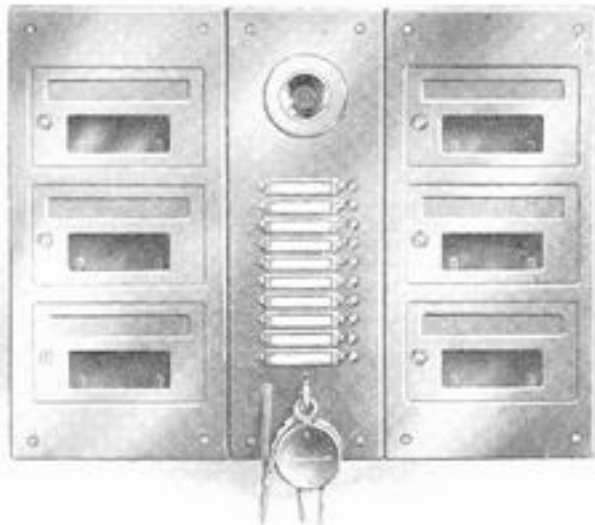
Prices include extra button for calling janitor.

Code Word	Style No. 86	Letter Box Units	System No.	Designed For	Outside Dimensions		Wall Opening		List Price Brush Brass
					Height in.	Width in.	Height in.	Width in.	
Vecord	863	1-3 Gang	24 or 27	3 Suites	15"	12"	12 $\frac{1}{4}$ "	11"	\$36.80
Veles	866	2-3 "	24 or 27	6 "	15"	19"	12 $\frac{1}{4}$ "	18"	51.10
Vetut	869	3-3 "	24 or 27	9 "	15"	26"	12 $\frac{1}{4}$ "	25"	64.70
Vcord	8612	4-3 "	24 or 27	12 "	15"	35"	12 $\frac{1}{4}$ "	34"	81.40
Volos	8615	5-3 "	24 or 27	15 "	15"	42"	12 $\frac{1}{4}$ "	41"	95.00
Vbcord	8618	6-3 "	24 or 27	18 "	15"	49"	12 $\frac{1}{4}$ "	48"	108.60
Vcless	8621	7-3 "	24 or 27	21 "	15"	59"	12 $\frac{1}{4}$ "	58"	122.20
Vetub	8624	8-3 "	24 or 27	24 "	15"	66"	12 $\frac{1}{4}$ "	65"	135.80
Vocord	8627	9-3 "	24 or 27	27 "	15"	73"	12 $\frac{1}{4}$ "	72"	149.40
Vbots	8630	10-3 "	24 or 27	30 "	15"	85"	12 $\frac{1}{4}$ "	84"	163.00
Vereco	8633	11-3 "	24 or 27	33 "	15"	92"	12 $\frac{1}{4}$ "	91"	176.60
Vcent	8636	12-3 "	24 or 27	36 "	15"	99"	12 $\frac{1}{4}$ "	98"	190.20
Ventob	8639	13-3 "	24 or 27	39 "	15"	106"	12 $\frac{1}{4}$ "	105"	203.80

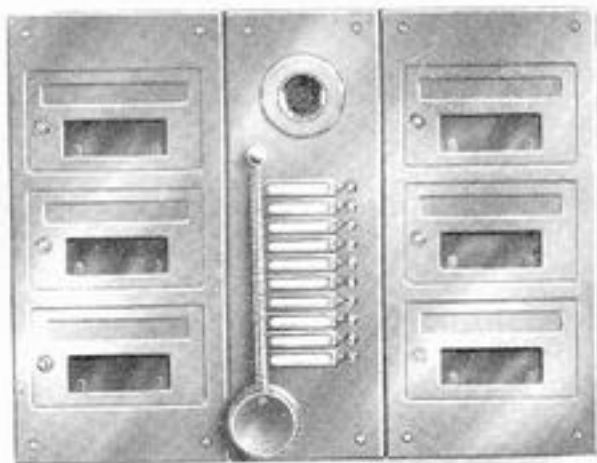
Our cordless sets are furnished for common talking circuit systems only.
Mounting dimensions same as No. 83 see page 16.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

VESTIBULE TELEPHONE SETS Common Talking



No. 83 Vestibule Telephone
grouped with 2 No. 66 units



No. 84 Vestibule Telephone
grouped with 2 No. 66 units and fitted
with flexible armoured receiver cord

Our No. 83 and No. 84 vestibule telephones are made with regard to simplicity,—the general construction of these two instruments being similar—both are fitted with watch case receivers. However, our style No. 84 has a flexible armoured receiver cord to protect telephone receiver against theft. It will be noted that the receiver does not hang over the card holders so the names are not hidden from view. Our standard long receiver can be furnished if desired at a slight additional charge, but we consider it too bulky for vestibule use.

These telephones are the same height as the letter boxes and are carefully insulated against short circuits. The working parts are mounted as a unit to back of telephone and are protected with a heavy close fitting steel box. The construction of our letter box units makes it possible to do away with the mounting plate heretofore used with our old type letter box. In case of increase a new letter box unit can be readily added to the vestibule set. All telephones are fitted with large card holders and push buttons can be numbered if desired at no additional charge. All vestibule sets have unbreakable metal mouthpiece which is permanently attached to the front plate. This insures the mouthpiece against theft. These instruments are unquestionably the best constructed and finished on the market.

No. 83 Vestibule Telephone only Brush Brass—3 Buttons—List Price \$15.30

Add 70 cents list for each additional button above 3.

No. 84 Vestibule Telephone, same price as No. 83, with or without letter box units.



No. 83
Side View

Code Word	Style No. 83	Letter Box Units	System No.	Designed For	Outside Dimensions		Wall Opening		List Price Brush Brass
					Height in.	Width in.	Height in.	Width in.	
Vestul	833	1-3 Gang	21 or 22	3 Suites	15"	12"	12 1/4"	11"	\$26.80
Vestibe	836	2-3 "	21 or 22	6 "	15"	19"	12 1/4"	18"	41.10
Vestut	839	3-3 "	21 or 22	9 "	15"	26"	12 1/4"	25"	54.70
Vessut	8312	4-3 "	21 or 22	12 "	15"	35"	12 1/4"	34"	71.40
Vessibe	8315	5-3 "	21 or 22	15 "	15"	42"	12 1/4"	41"	85.00
Vestilt	8318	6-3 "	21 or 22	18 "	15"	49"	12 1/4"	48"	98.60
Vesrut	8321	7-3 "	21 or 22	21 "	15"	59"	12 1/4"	58"	112.20
Vertult	8324	8-3 "	21 or 22	24 "	15"	66"	12 1/4"	65"	125.80
Vestult	8327	9-3 "	21 or 22	27 "	15"	73"	12 1/4"	72"	139.40
Vetbul	8330	10-3 "	21 or 22	30 "	15"	85"	12 1/4"	84"	153.00
Vehtul	8333	11-3 "	21 or 22	33 "	15"	92"	12 1/4"	91"	166.60
Verbul	8336	12-3 "	21 or 22	36 "	15"	99"	12 1/4"	98"	180.20
Vestlub	8339	13-3 "	21 or 22	39 "	15"	106"	12 1/4"	105"	193.80

Prices include extra button for calling janitor.

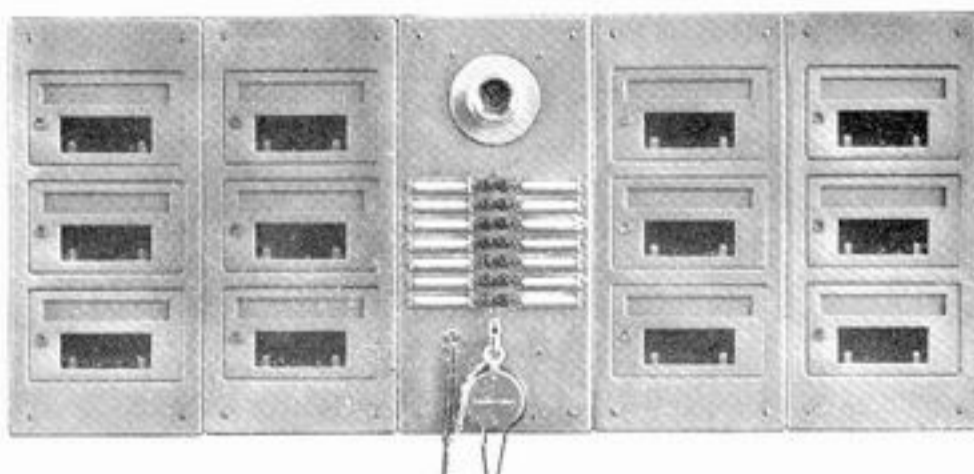
Prices are based on Brush Brass Finish, other finishes bear an additional charge.

See page 16 for mounting dimensions.

These styles are not furnished with No. 67—4 gang letter box unit.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

VESTIBULE TELEPHONE SETS NON-INTERFERING



No. 85 Vestibule Telephone grouped with 4 No. 66 Units described and illustrated page 14 is designed to use in connection with the above with system No. 20. No. 85 Vestibule Telephone only, Brush Brass, 4 buttons or less. List price \$22.20. Add \$1.00 list for each additional button above 4. Furnished in multiples of 2 buttons only.

Our style No. 85 is somewhat similar to style No. 83 and 84 illustrated page 12, with the exception it is fitted with our automatic switch for non-interfering service. This allows the use of any combination of stations at the same time without interference. Vestibule, suite telephones, as well as suite and janitor's telephone can be in use at the same time without any of the other telephones listening to the conversation. Our janitor's annunciator, described and illustrated page 14 is designed to use in connection with the above with system No. 20.

Code Word	Style No. 85	Letter Box Units	System No.	Designed For	Outside Dimensions		Wall Opening		List Price Brush Brass
					Height in.	Width in.	Height in.	Width in.	
Vesword	854	1-4 Gang	20 or 23	4 Suites	18 ⁷ / ₈ "	14"	16"	13"	\$37.60
Vesbult	856	2-3 "	20 or 23	6 "	15"	21"	12 ¹ / ₄ "	20"	47.20
Vestibel	858	2-4 "	20 or 23	8 "	18 ⁷ / ₈ "	21"	16"	20"	57.00
Vestumt	8512	4-3 "	20 or 23	12 "	15"	35"	12 ¹ / ₄ "	34"	76.10
Vestube	8516	4-4 "	20 or 23	16 "	18 ⁷ / ₈ "	35"	16"	34"	95.10
Vurbure	8518	6-3 "	20 or 23	18 "	15"	49"	12 ¹ / ₄ "	48"	104.70
Ventout	8520	5-4 "	20 or 23	20 "	18 ⁷ / ₈ "	42"	16"	41"	114.30
Veslote	8524	8-3 "	20 or 23	24 "	15"	63"	12 ¹ / ₄ "	62"	134.10
Vestobe	8528	7-4 "	20 or 23	28 "	18 ⁷ / ₈ "	63"	16"	62"	172.70
Vunbrib	8530	10-3 "	20 or 23	30 "	15"	84"	12 ¹ / ₄ "	83"	163.30
Vurbule	8532	8-4 "	20 or 23	32 "	18 ⁷ / ₈ "	70"	16"	69"	172.70
Venbolt	8536	12-3 "	20 or 23	36 "	15"	98"	12 ¹ / ₄ "	97"	192.50
Verbole	8540	10-4 "	20 or 23	40 "	18 ⁷ / ₈ "	84"	16"	83"	212.30

Prices include extra button for calling janitor.

Prices are based on Brush Brass finish, other finishes bear an additional charge.

See page 16 for mounting dimensions.



NO. 74 VESTIBULE OUTFIT Common Talking

For small vestibule outfits we recommend our No. 74 mounted on metal frame with our No. 1978 letter boxes. This makes a very compact and extremely handsome outfit. It is furnished with four buttons or less and mounted as a unit with letter boxes on a metal mat. Standard finish is Brush Brass—other finishes bear a slight additional charge.

No. 744—Metal Frame Mounting

NO. 74. MOUNTED ON METAL FRAME WITH LETTER BOXES (Common Talking)

Code Word	Style No.	System No.	Designed for	Outside Dimensions		Wall Opening		List Price
				Height In.	Width In.	Height In.	Width In.	
Mito	742-21	21	2 suites	10 ⁵ / ₈	16 ¹ / ₄	8 ¹ / ₄	15	\$25.00
Mond	742-22	22	2 suites	10 ⁵ / ₈	16 ¹ / ₄	8 ¹ / ₄	15	25.00
Mako	743-21	21	3 suites	10 ⁵ / ₈	21 ³ / ₈	8 ¹ / ₄	19 ⁷ / ₈	30.00
Mide	743-22	22	3 suites	10 ⁵ / ₈	21 ³ / ₈	8 ¹ / ₄	19 ⁷ / ₈	30.00
Milk	744-21	21	4 suites	10 ⁵ / ₈	26	8 ¹ / ₄	24 ⁷ / ₈	36.00
Meld	744-22	22	4 suites	10 ⁵ / ₈	26	8 ¹ / ₄	24 ⁷ / ₈	36.00

NOTE:—A reduction of 10% from list prices is made where No. 74 vestibule outfit and letter boxes is furnished without metal mat.



No. 330

JANITOR AND TRADESMAN TELEPHONE for Apartment House Service

No. 330 TRADESMAN'S TELEPHONE

These telephones are placed at the dumb waiter or rear entrance of an apartment house and are provided with buttons so that tradesmen can call any of the suites or janitor. No. 330 is designed for systems No. 21 and 25 described pages 46 and 47.

Code Word	List Price
Java No. 330 4 buttons or less.....	\$12.60
Buttons above 4, each list.....	.36



No. 332

No. 332 JANITOR'S TELEPHONE

These telephones are placed in the janitor's office of an apartment house and are so arranged that any suite may call the janitor. This telephone is also provided with buttons for calling the suites. No. 332 is designed for systems No. 21 and 25 described pages 46 and 47.

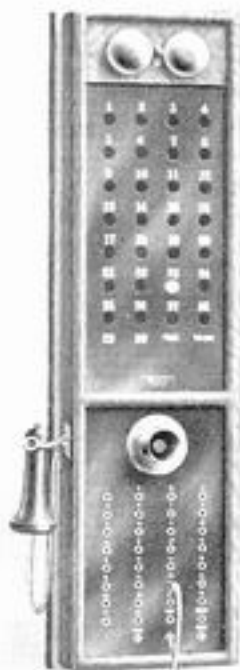
Code Word	List Price
Jada No. 332 4 Buttons or less.....	\$12.60
Buttons above 4 each list.....	.36



Type "D"

TYPE "D"—JANITOR'S ANNUNCIATOR

Our type D annunciator represents a complete janitor's telephone with annunciator drops. The chief advantage of this outfit is the fact that the number of the telephone calling is registered on the annunciator, also in case of the absence of the janitor, the telephone call is recorded so that he can call the suite upon his return. There is a button on the annunciator for calling each suite, also card holders for the names of the tenants. There is an extra button for electrically resetting the drops, also a button to operate electric door opener lock at vestibule. This annunciator is arranged for use with common talking systems No. 25 and 27 described pages 47 and 50.



Type "J"

TYPE "J"—JANITOR'S ANNUNCIATOR

This outfit is similar to our type D with the exception that calls are received and given through an answering cord and plug. In answering or giving a call the janitor plugs in the jack which corresponds with the drop displayed. If desired, cord pairs will be furnished so that the suites can intercommunicate with each other through the annunciator. This annunciator is designed for use with our non-interfering system No. 26 described page 44.

PRICES TYPES D AND J JANITOR ANNUNCIATORS

	List Price		List Price
10 drop.....	\$36.00	30 drop.....	\$71.00
16 ".....	45.00	36 ".....	84.00
20 ".....	50.00	42 ".....	96.00
25 ".....	61.00	49 ".....	111.00

Intermediate sizes bear price of next highest size listed.

SUITE TELEPHONES

Duplex Suite Telephone



This construction represents unquestionably the best value for the money upon the market. It is fitted with our high grade transmitter, double pole watch case receiver, green silk receiver cord, induction coil, etc. The case is metal and the finish dull black with nickel trim. The instrument is compact and the lines graceful—it is especially well adapted for apartment house service. The case is designed for concealed wiring.

	List Price
D-20 duplex	\$6.60
D-21 "	6.60
D-22 "	6.60
D-23 "	6.60

Prices include one button.

Extra buttons, each60

Metal case is finished dull black with nickel trim.

No. 60 Flush Suite Telephone



No. 60

This telephone is supplied for flush wall mounting. The front plate is brass and the instrument well constructed—all working parts being mounted as a unit to the back of the telephone plate. Furthermore the parts are carefully concealed so as to avoid any possible chance of short circuits. Standard finish is brush brass, other finishes bear a slight additional charge. Back of telephone is regularly equipped with a close fitting tin box. Size of front plate is $6\frac{5}{8}$ " x $4\frac{1}{2}$ "—make wall opening $5\frac{3}{8}$ " high x $3\frac{7}{8}$ " wide x 2" deep.

When No. 199 outlet box is supplied make wall opening $5\frac{7}{8}$ " high x 4" wide x $4\frac{1}{2}$ " deep.

	List Price
No. 60-20 Flush telephone, B. B. finish	\$7.70
No. 60-21 " " " " "	7.70
No. 60-22 " " " " "	7.70
No. 60-23 " " " " "	7.70

Prices include one button.

Extra buttons, each60

Other finishes than Brush Brass bear an additional charge.

No. 199A Outlet Box

This box is required only when the wiring is installed in conduit, otherwise it is not essential. Dimensions—width $3\frac{7}{8}$ ", height $5\frac{3}{4}$ ", depth $4\frac{3}{8}$ ".

	List Price.
No. 199A Outlet Box for No. 60	\$1.00

No. 64 Hand Telephone Set

This set makes a convenient suite telephone—it is also especially adapted for bed-room use for the reason that the hand phone can be held in any position while in use. This outfit is constructed to withstand hard usage. The wall mounting is composed of a steel box, finished dull black—a bell of sufficient tone is mounted therein.

	List Price
No. 64-20	\$8.80
No. 64-21	8.80
No. 64-22	8.80
No. 64-23	8.80
No. 64-40 for 2 line, per pair, 2 instruments	17.00

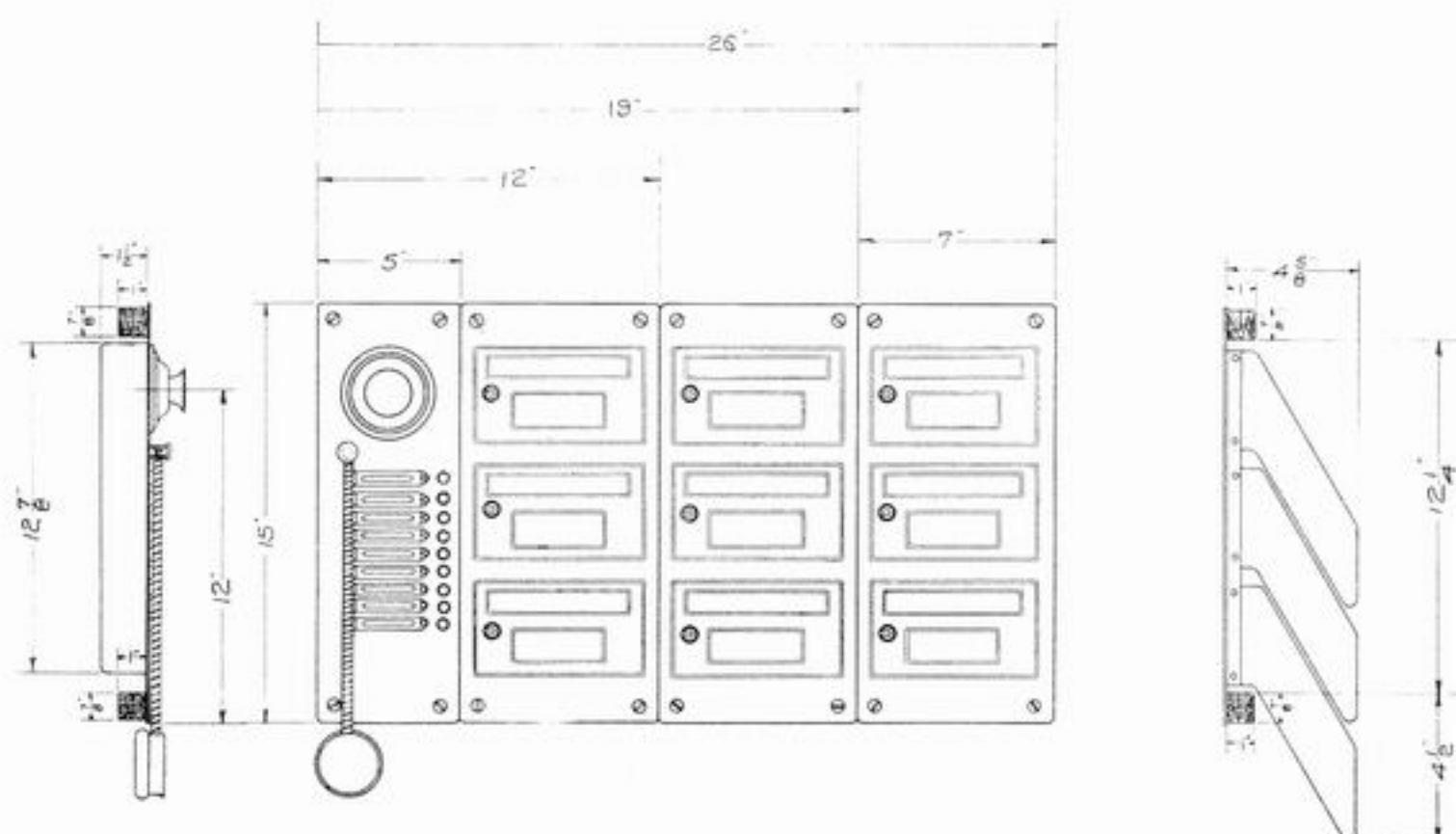
Prices include one button.

Extra buttons, each60

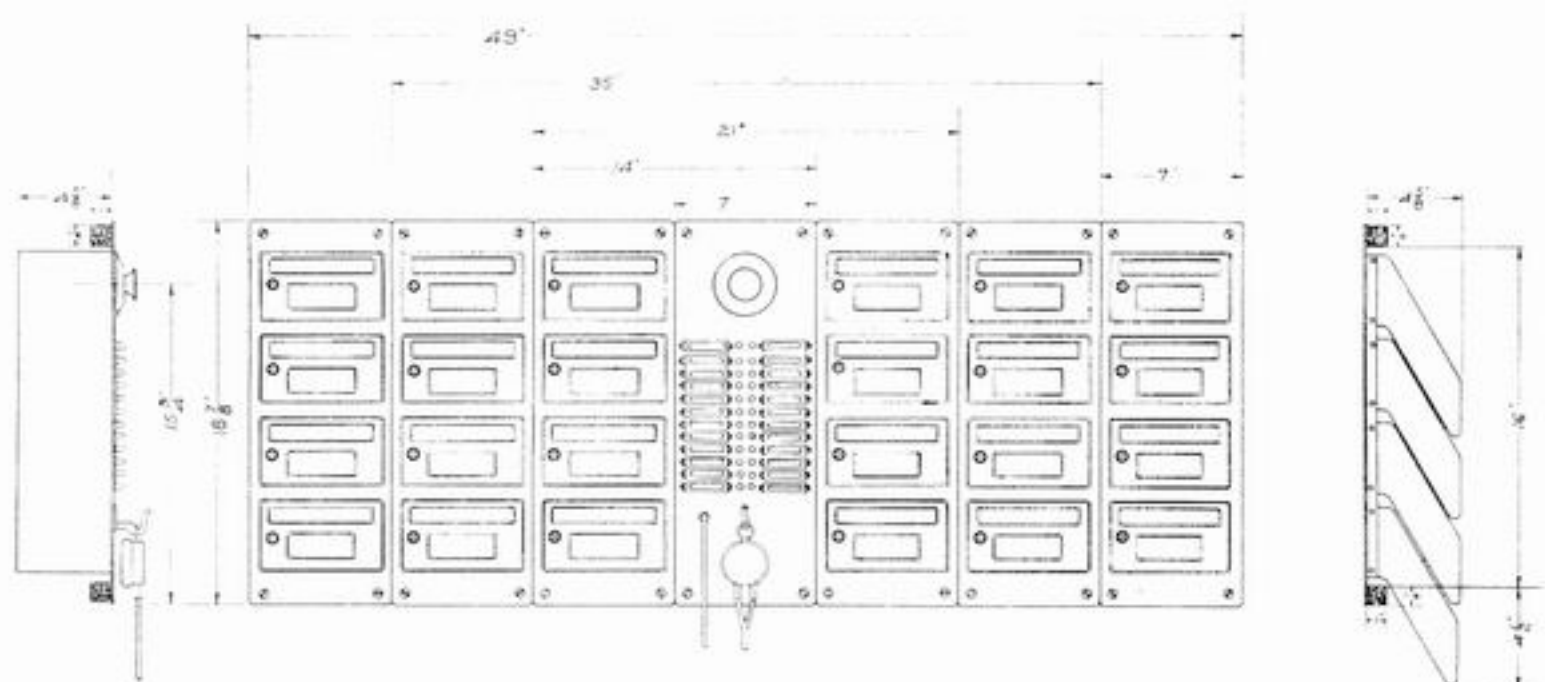


No. 64

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.



Vestibule Telephone No. 84 with No. 66 3-Gang Letter Boxes
 These dimensions also apply for No. 83 and No. 86 Vestibule outfits



Vestibule Telephone No. 85 with No. 67 4-Gang Letter Boxes

The measurements and diagrams illustrated herewith are for the guidance of the contractor and architect for the proper installation of our vestibule telephones and letter boxes. Full dimensions as well as depth of letter boxes and telephones are given.

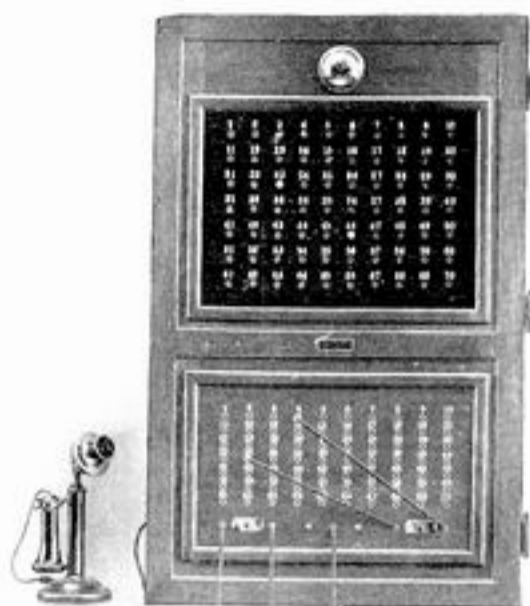
THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

TELEPHONE ANNUNCIATORS

ELECTRIC RESET

This annunciator is fitted with the most substantial and efficient drop on the market.

These instruments are equipped with the Connecticut double spool annunciator drop signals and are designed for a low priced switchboard equipment for schools, hotels, apartment houses, etc. Standard finish of case is golden oak. Annunciators are not regularly fitted with intercommunicating cord pairs, unless so ordered. They are made up and wired for two different systems, Nos. 30 and 31. No. 30 requires a push button on phones for calling. No. 31 is automatic, removing receiver displays signal at annunciator.



Type "T"

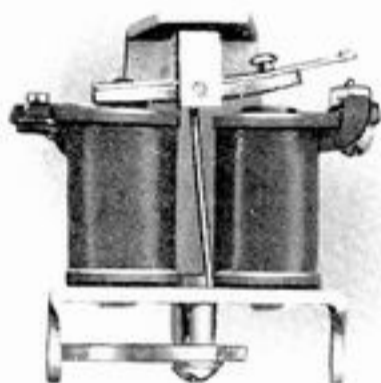
LIST PRICES. TYPE "T"

Prices include Operators, Transmitter and Receiver attached to Case.

Type	T-10	Drop.	System	30	\$36.00
"	"	16	"	30	45.00
"	"	20	"	30	50.00
"	"	25	"	30	61.00
"	"	30	"	30	71.00
"	"	36	"	30	84.00
"	"	42	"	30	96.00
"	"	49	"	30	111.00
"	"	56	"	30	126.00
"	"	64	"	30	142.00
"	"	72	"	30	158.00
"	"	81	"	30	178.00
"	"	90	"	30	200.50
"	"	100	"	30	225.50

Intermediate sizes bear price of next highest size listed.
Add 25% to above prices for system 31.

Extra for desk telephone or hand microphone operators set... \$5.00



Top View of Drop

	List Price
Fire alarm attachment for 25 drops or less.....	\$30.00
Each additional number30

All cabinets above 25 numbers have special cabinet, hinged back and front with connections cabled to terminals on back board.

CROSS CONNECTING CORDS

	List Price
For System 30, one pair of cross connecting cords with listening and ringing key	\$ 8.00
(Supervisory signals not furnished with System 30.)	
For System 31, one pair of cross connecting cords with listening and ringing key and supervisory signals	12.00

DUPLEX WALL TELEPHONES

The Original High Grade Low Priced Telephone

We illustrate herewith our latest duplex telephone. This instrument still remains unquestionably the best value for an inexpensive instrument. It is made up with metal case, heavily enameled, and all exposed parts are nickel plated. It is efficient, neat in appearance, and designed principally for two-line service, between houses and barns, offices, buildings, etc., but can be used for any of our apartment house, hotel or special systems, for which service we recommend the use of an induction coil in each instrument.



Duplex
Metal Case Finish dead Black

PRICES

With Induction Coils and Double Pole Watch Case Receivers for Special Systems

Code Word	Style No.	System No.	Price	Code Word	Style No.	System No.	Price
Irs	D-12-A	12-A	\$6.60	Ine	D-22	22	\$6.60
Iva	D-18	18	6.60	Ire	D-23	23	6.60
Irn	D-19	19	6.60	Ite	D-30	30	6.60
Ive	D-20	20	6.60	Irt	D-31	31	6.60
Inz	D-21	21	6.60	Ist	D-32	32	6.60

Style D-40, 2-line with induction coil, per pair..... \$12.00

Style Duplex, 2-line less induction coil, per pair..... 10.00

Note.—Special quantity prices quoted on stock 2-line Duplex.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SINGLE POINT OR TWO-LINE TELEPHONES

While the instruments illustrated are carried in stock principally for two-line battery call work, they are also supplied as outlying stations in connection with any of our switchboard, annunciator, apartment or hotel systems. When ordering, specify the style number required. All instruments include induction coils and are of the highest class of manufacture and finish.

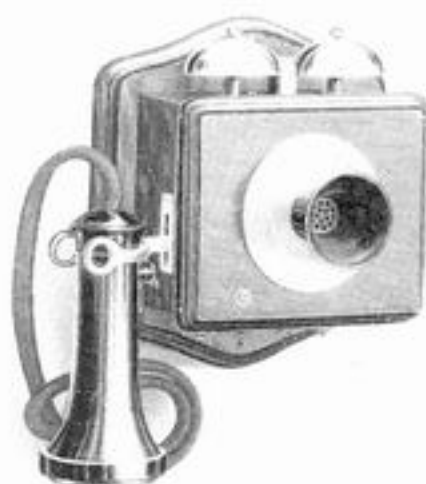


No. 41

STYLE NO. 41—METAL CASE

Code Word	Style No.	System No.	Standard Finish	List Price
Tob	41-10	10	Dull Black	\$9.60
Tiv	41-12-A	12-A	Dull Black	9.60
Tir	41-18	18	Dull Black	9.60
Tev	41-19	19	Dull Black	9.60
Tiz	41-20	20	Dull Black	9.60
Tur	41-21	21	Dull Black	9.60
Tel	41-22	22	Dull Black	9.60
Tik	41-23	23	Dull Black	9.60
Tun	41-30	30	Dull Black	9.60
Tul	41-31	31	Dull Black	9.60
Tuz	41-32	32	Dull Black	9.60
Tum	41-33	33	Dull Black	16.00
Tuv	41-40	40	Dull Black	9.60

Note.— Prices include one button.
Extra buttons each list. \$.60



No. 30

STYLE NO. 30

Code Word	Style No.	System No.	Standard Finish	List Price
Sob	30-10	10	Oak	\$9.60
Sel	30-12-A	12-A	Oak	9.60
Suv	30-18	18	Oak	9.60
Ser	30-19	19	Oak	9.60
Sat	30-20	20	Oak	9.60
Sor	30-21	21	Oak	9.60
Sot	30-22	22	Oak	9.60
Sil	30-23	23	Oak	9.60
Sol	30-30	30	Oak	9.60
Sik	30-31	31	Oak	9.60
Sid	30-32	32	Oak	9.60
Siz	30-40	40	Oak	9.60

Note.— Prices include one button.
Extra buttons each list. \$.60



No. 40

STYLE NO. 40

Code Word	Style No.	System No.	Standard Finish	List Price
Vob	40-10	10	Oak	\$7.00
Vut	40-12-A	12-A	Oak	7.00
Vor	40-18	18	Oak	7.00
Viz	40-19	19	Oak	7.00
Von	40-20	20	Oak	7.00
Vot	40-21	21	Oak	7.00
Vet	40-22	22	Oak	7.00
Vod	40-23	23	Oak	7.00
Voz	40-30	30	Oak	7.00
Vop	40-31	31	Oak	7.00
Vit	40-32	32	Oak	7.00
Vik	40-40	40	Oak	7.00

Note.— Prices include one button.
Extra buttons each list. \$.60

Note—Extra buttons to operate electric door opener not furnished unless specified.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SINGLE POINT OR TWO-LINE TELEPHONES—Cont.



No. 25-A
Push Button in Base

STYLE NO. 25-A

Code Word	Style No.	System No.	Standard Finish	List Price
Cob	25-A 10	10	Upright and Base is finished Dull Black	\$14.40
Cel	25-A 12-A	12-A		14.40
Caz	25-A 18	18		14.40
Can	25-A 19	19		14.40
Cen	25-A 20	20		14.40
Con	25-A 21	21		14.40
Coz	25-A 22	22		14.40
Col	25-A 23	23		14.40
Ced	25-A 30	30		14.40
Cor	25-A 31	31		14.40
Cho	25-A 32	32		14.40
Cot	25-A 33	33		20.00
Cos	25-A 40	40		14.40

Buzzer is included with all styles except 25-A-33.

NOTE.—Hand Telephone Set can be furnished wired for above systems at prices quoted.

STYLE NO. 58. METAL FRONT



No. 58

Code Word	Style No.	System No.	Standard Finish	List Price
Aob	58-10	10	Brush Brass Polished Brass or Nickel	\$10.00
Abo	58-12-A	12-A		10.00
Anz	58-18	18		10.00
Avo	58-19	19		10.00
Ako	58-20	20		10.00
Abe	58-21	21		10.00
Arn	58-22	22		10.00
Anz	58-23	23		10.00
Ado	58-30	30		10.00
Ato	58-31	31		10.00
Atz	58-32	32		10.00
Ave	58-40	40		10.00

Size of plate 7" x 5". Make wall opening 6 $\frac{1}{8}$ " x 4 $\frac{1}{8}$ ".

Back of phone is protected by a heavy tin box.

Note.—No. 199A Stamped Metal Outlet Boxes can be supplied for Nos. 58 or 60.

List Price extra \$1.00

When heavy metal outlet box is furnished with No. 58 plate, size is 8 $\frac{1}{2}$ " x 5 $\frac{1}{4}$ ".

NOTE—The use of No. 199A outlet boxes require special construction of phone and must be specified on all orders.

STYLE NO. 60. METAL FRONT



No. 60

Code Word	Style No.	System No.	Standard Finish	List Price
Boz	60-10	10	Brush Brass Polished Brass or Nickel	\$7.70
Bit	60-12-A	12-A		7.70
Bez	60-18	18		7.70
Bov	60-19	19		7.70
Bik	60-20	20		7.70
Bid	60-21	21		7.70
Bot	60-22	22		7.70
Bel	60-23	23		7.70
Bek	60-30	30		7.70
Bev	60-31	31		7.70
Bal	60-32	32		7.70
Ban	60-40	40		7.70

Size of plate 6 $\frac{5}{8}$ " x 4 $\frac{1}{2}$ ". Make wall opening 5 $\frac{5}{8}$ " x 3 $\frac{7}{8}$ ".

Back of phone is protected by a heavy tin box.

Note. Extra button for electric door opener, list.....\$.60

NOTE—The use of No. 199A outlet boxes require special construction of phone and must be specified on all orders.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

TELEPHONE SWITCHBOARDS

MAGNETO AND COMMON BATTERY

We illustrate herewith four cabinet designs of Connecticut switchboards which are suitable for the majority of installations. Any of these styles can be arranged for magneto System No. 35 or common battery Systems Nos. 32 and 33, which are designed principally for private interior systems in hotels, factories, hospitals, etc.



Type "C"

MAGNETO DROPS

These are of the latest self-restoring type and can be supplied for series or bridging. They are mounted on plates in banks of five. The coils in each drop are removable without the use of tools. Night bell contacts are accessible from front of drop.

COMMON BATTERY VISUAL SIGNALS

The construction of this signal is somewhat similar to the magneto type, with the exception that the action of the armature moves an aluminum target which arises in an opening at the front of the drop, thus giving a signal which is clearly visible. This type of signal is to be preferred for common battery over the lamp signal type on account of its simplicity and the fact that it does away with all relays and auxiliary contacts.

Note.—Cord circuits for magneto boards are equipped with clearing out drops. Visual signal boards can be fitted with single or double supervisory.

For ordinary service one pair of cord circuits will be sufficient for each ten lines, more or less can be used to suit the conditions, but no board should be fitted with less than two cord circuits.

In ordering, specify number of cord circuits and if common battery whether single or double supervisory.

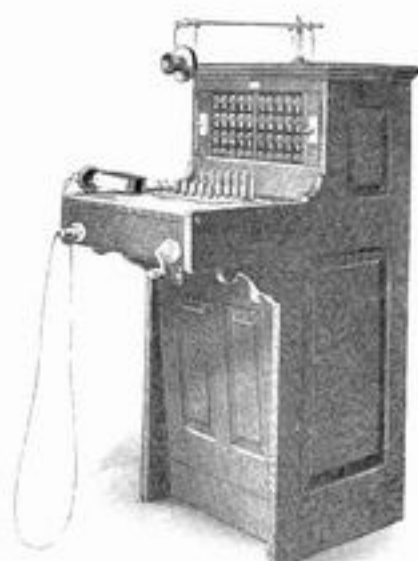
Type "F" board is designed with apron for use if desired with desk supplied by the purchaser.

Standard Cabinet finish is golden oak.

SWITCHBOARD PRICES

The following standard switchboard cabinets may be equipped with magneto drops or target signals for common battery system.

Cabinets are fully wired and include operator's telephone, hand generator, night bell, etc., with terminals in back of cabinet or 15 feet of cable.



Type "A"



Type "E"

TYPE A

	List Price
50 line cabinet fully wired.....	\$ 80.00
100 line cabinet fully wired.....	105.00

TYPE F

25 line cabinet fully wired.....	\$ 60.00
50 line cabinet fully wired.....	80.00
100 line cabinet fully wired.....	110.00

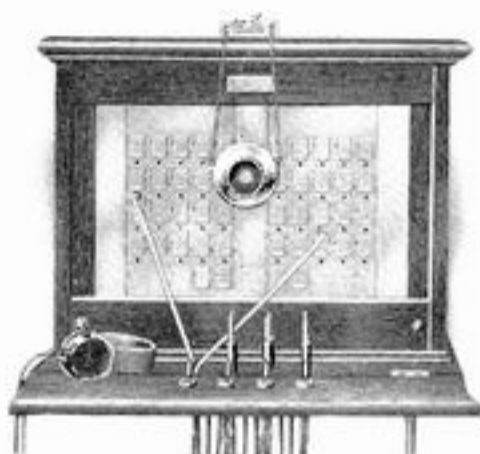
TYPE E

Add for desk to Type F prices.....	\$60.00
Special cabinets and finishes furnished at slight additional charge.	

TYPE C

25 line cabinet fully wired.....	\$50.00
50 line cabinet fully wired.....	70.00

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.



Type "F"



Self-Restoring Magneto Drops



Common Battery Visual Signals



No. 10



No. 110

SWITCHBOARD PRICES—CONTD. LINE EQUIPMENT

Add to price of switchboard cabinets for each line equipped as follows:

	List Price
Series magento lines, per line	\$4.00
Bridging magento lines, per line	5.00
Visual Target signals for common battery, per line	4.00

Boards can be equipped with trunk line connection to city exchange if so ordered at slight additional charge.

KEY EQUIPMENT

Add to price of switchboard cabinet for each set of key, cords, and plugs as follows:

	List Price
Magneto key equipment, each	\$10.00
Magneto Double ringing key equipment, each	12.40
Common battery key equipment, Single supervisory, each	11.00
Common battery key equipment, Double supervisory, each ...	15.00

Note.—In figuring switchboard prices, first select style of cabinet and whether a magneto or common battery board is desired.

Example.—A 50-drop Type A switchboard cabinet fully wired with 35 common battery visual signals installed (single supervisory) and four pair of cord circuits would figure as follows:

50-drop Type A cabinet fully wired	\$ 80.00
35 visual signals, each \$4.00	140.00
4 pair cord circuits, single supervisory, each \$11.00	44.00
List Price	\$264.00

This board has a capacity of 15 extra drops for future addition.

SWITCHBOARD PLUGS

Code Word	List Price
Plugo No. 10 2 conductor switchboard plugs	\$1.50

SWITCHBOARD CORDS

We furnish linen switchboard cords with triply reinforced plug end.

Code Word	List Price
Civum No. 552 Metallic circuit, 4 ft.	\$1.20
Cilto No. 553 Metallic circuit, 6 ft.	1.50
Cint No. 420 Switchboard transmitter cords, per pair	1.50

SWITCHBOARD CORD WEIGHTS

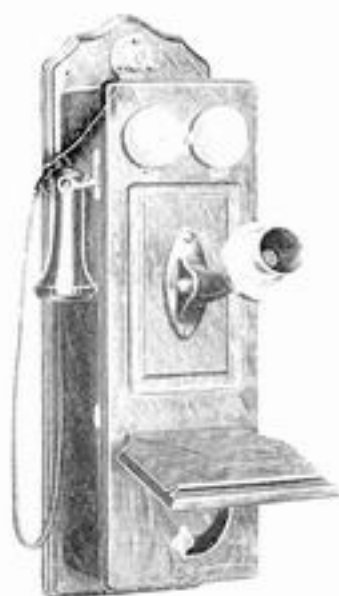
Code Word	List Price
Watol No. 103	\$1.00

RINGING AND LISTENING KEYS

Code Word	List Price
Kevot No. 110 Ringing and listening	\$3.00
Kelto No. 111 Double ringing	3.00
Kento No. 112 Double listening	3.00
Kamo No. 113 Single ringing	3.00
Kolto No. 114 Single listening	3.00

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

NO. 14 COMPACT MAGNETO WALL TELEPHONES



No. 14

These phones are designed for farmers and all long distance telephone lines; also for short lines where the distance is too long for battery call telephones. For heavy lines the ring thru condenser is recommended. Prices do not include batteries.

Code Word		List Price
Loto	No. 14-A Series, 3-bar generator, 80 ohm ringer	\$19.00
Ling	No. 14-E Bridging, 3-bar generator, 1,000 ohm ringer	20.50
Laro	No. 14-B Series, 4-bar generator, 80 ohm ringer	20.00
Lave	No. 14-C Bridging, 4-bar generator, 1,000 ohm ringer	21.50
Lizo	No. 14-D Bridging, 4-bar generator, 1,600 ohm ringer	22.50
Lont	No. 14-K Bridging, 5-bar generator, 1,600 ohm ringer	23.50
Lito	No. 14-M Bridging, 5-bar generator, 2,500 ohm ringer	24.50

RING THRU CONDENSER

In receiver circuit, permits bells to ring even though all receivers are left off the hook.

Code Word	List Price
Linto Ring thru condenser	\$1.00

GROUNDING KEY

Permits the ringing of central without disturbing other parties on the same line.

Code Word	List Price
Larto Grounding key	\$0.60

Above extras apply to all magneto phones.



No. 9

No. 9. This type combines all the qualifications of our highest grade long distance instruments, the only difference being in the cabinet design.

Code Word	List Price
Lite No. 9-A Series, 3-bar, 80 ohm ringer	\$15.20
Lovo No. 9-B Bridging, 3-bar, 1,000 ohm ringer	17.20
Lert No. 9-C Bridging, 4-bar, 1,000 ohm ringer	18.00
Lent No. 9-D Bridging, 4-bar, 1,600 ohm ringer	19.00

LOUD RINGING EXTENSION BELLS

Furnished for common battery or magneto systems. The case is stamped metal, heavily enameled, practically water proof, and suitable for installation in exposed places. Gongs are 6".

Code Word	List Price
Longe No. 565-A 80 ohm, loud ringing extension bell	\$10.60
Lire No. 565-B 1,000 ohm, loud ringing extension bell	11.80
Lort No. 565-C 1,600 ohm loud ringing extension bell	12.50
Lero No. 565-D 2,500 ohm, loud ringing extension bell	13.10
For 2 M. F. condenser, add	2.30



No. 565

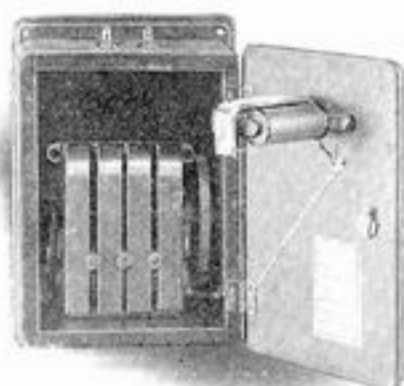
THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

MAGNETO CALL DESK TELEPHONES

This stand is a thoroughly modern equipment. Where a complete phone is required for receiving and giving a call, the desk phone should be purchased with magneto bell, or if desired, the magneto and ringer can be furnished separately, see No. 88 extension bell and hand box generators. If an extension phone only is required for receiving a call, use No. 5-A or No. 3-A less call bell.



No. 5-A



No. 82



No. 370



No. 88

Code Word		List Price
Dako	No. 5-A Desk phone without magneto bell, series or bridging...	\$13.00
Duke	No. 5-A With No. 82-A magneto bell...	22.00
Dovo	No. 5-A With No. 82-C magneto bell...	24.50
Dort	No. 5-A With No. 82-D magneto bell...	25.50
Divan	No. 5-A With No. 82-K magneto bell, 1,600 ohms...	27.50
Don	No. 5-A With No. 82-M magneto bell, 2,500 ohms...	28.50
Doler	No. 2-A Desk phone complete with call bell and condenser...	21.00
Diler	No. 3-A Desk phone only without call bell for extension phone...	13.00
Dalva	No. 150 Induc. coil only, mounted on oak block...	2.00

MAGNETO BELLS

Code Word		List Price
Dirant	No. 82-A Series, 3-bar generator, 80 ohm ringer...	\$ 9.50
Divant	No. 82-E Bridging, 3-bar generator, 1,000 ohm ringer...	11.50
Dodo	No. 82-B Series, 4-bar generator, 80 ohm ringer...	10.90
Dudd	No. 82-C Bridging, 4-bar generator, 1,000 ohm ringer...	12.20
Duve	No. 82-D Bridging, 4-bar generator, 1,600 ohm ringer...	12.70
Dilt	No. 82-K Bridging, 5-bar generator, 1,600 ohm ringer...	14.00
Delv	No. 82-M Bridging, 5-bar generator, 2,500 ohm ringer...	14.70
Divez	No. 82-G Extra generator cranks...	.60

HAND BOX GENERATORS

Consists of a magneto generator only, mounted in oak case.

Code Word		List Price
Ding	Hand box generator, 3-bar series...	\$7.50
Dong	Hand box generator, 4-bar, series or bridging...	8.80
Dang	Hand box generator, 5-bar bridging...	11.70

CONNECTICUT GENERATOR

Code Word		List Price
David	3-bar magneto generator only, series or bridging...	\$6.00
Dord	4-bar magneto generator only, series or bridging...	7.80
Dolt	5-bar magneto generator only, bridging...	10.70

EXTENSION BELLS

Consists of the standard Connecticut polarized magneto ringer mounted in oak case.

Code Word		List Price
Delt	No. 88-A Extension bell 80 ohm ringer...	\$4.00
Delto	No. 88-B Extension bell, 1,000 ohm ringer...	6.00
Deto	No. 88-C Extension bell, 1,600 ohm ringer...	6.70
Deat	No. 88-D Extension bell, 2,500 ohm ringer...	7.80

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

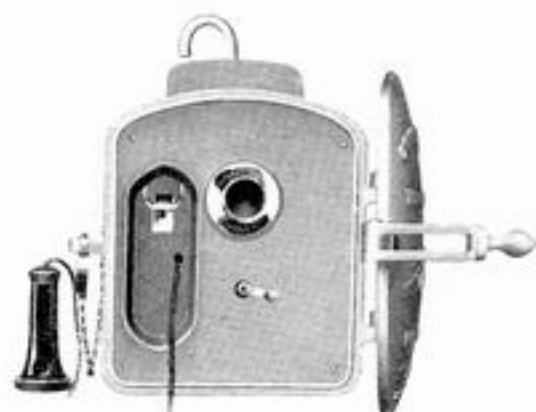
WEATHER-PROOF IRON BOX TELEPHONES



No. 12
Door Height 14"

These telephones are designed for mine, street railway and police systems. This is a complete telephone with powerful generator, ringer, induction coil, transmitter, receiver, lightning arrester, etc.; all parts of which have been specially treated to withstand weather conditions. Bells are mounted on top—if preferred they can be mounted inside. Working parts are mounted on an insulated metal plate and can be removed as a unit. They are also protected by two water-proof rubber gaskets.

Styles No. 12-C and No. 12-D can be fitted with plunger cut-out so when the door is closed the telephone is automatically cut off the line. There is no possibility of a burn-out or cross. All outside corners are rounded so dust and dirt will not collect. This outfit is unquestionably the best the market affords.

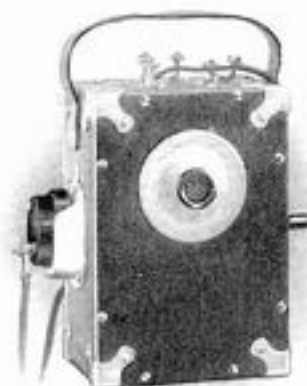


No. 12
Open View

ALSO ARRANGED FOR CENTRAL ENERGY IF DESIRED

Code Word			List Price
Iris	No. 12-A	Series, complete with 80 ohm ringer and gongs	\$44.00
Ister	No. 12-B	Bridging, complete with 1,000 ohm ringer and gongs	46.00
Iver	No. 12-C	Series, without ringer and gongs	42.00
Ivet	No. 12-D	Bridging without ringer and gongs	42.00

NO. 31 PORTABLE TELEPHONES



No. 31

These phones are designed for lineman's test purposes, army, field, street railway service, etc. This instrument is a complete telephone with transmitter, watch case receiver, powerful generator, ringer, and two cells of pocket dry batteries. This set will work any distance and is suitable for testing electric light, telephone lines, cables, wiring in buildings, etc. For street railway service see description weather-proof jack box. Weather-proof jack boxes are arranged for mounting on poles in connection with No. 31.

Code Word			List Price
Iter	No. 31-A	80 ohm series	\$20.00
Inte	No. 31-B	1,000 ohm, bridging	22.50
Iten	No. 31-C	1,600 ohm, bridging	24.00
Itov	No. 31-S	Long carrying strap, extra	2.00
Inze	No. 31-D	Extra Type D test set batteries	.60
Iront	No. 53	Weather-proof jack box	7.00
Irent	No. 53-C	6-foot cord and plug, extra	4.00

NO. 36 PORTABLE TELEPHONE



No. 36

Designed for railroad army or field service. It is fitted with non-breakable hand telephone set, generator, ringer, two standard dry batteries, long shoulder strap, etc. Case is quartered golden oak with heavy metal corners and is designed to open top and bottom. Case can be supplied with four rubber legs if so ordered.

Code Word			List Price
Ipot	No. 36-A	80 ohm series	\$47.00
Itop	No. 36-B	1,000 ohm bridging	51.70
Ipol	No. 36-C	1,600 ohm bridging	53.70

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.



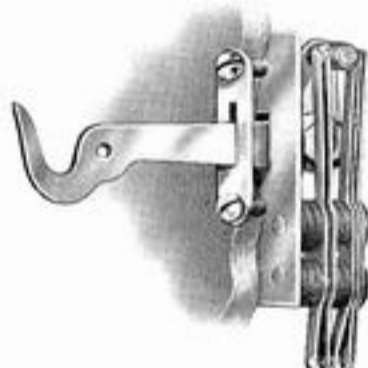
Magneto Test Bell

MAGNETO TEST BELLS

These bells are designed for locating grounds, open circuits, etc., in electric wiring. They are fitted with the well-known Connecticut generators and ringers, and with inside bells. The opening on the side is arranged so that the bells can be heard, this opening is also protected from dust and insects by a wire gauze. The bells are guaranteed to ring through the resistance specified. Cabinets are oak and of very substantial construction and are fitted with heavy nickel plated brass corners.

Code Word		List Price
Honk	No. 90 Magneto test bells, 10,000 ohms	\$11.80
Heto	No. 91 Magneto test bells, 25,000 ohms	12.00
Hort	No. 92 Magneto test bells, 35,000 ohms	12.20
Haze	No. 93 Magneto test bells, 50,000 ohms	12.50
Hert	No. 94 Magneto test bells, 75,000 ohms	14.60
Hobo	No. 95 Magneto test bells, 100,000 ohms	16.80

Prices include heavy metal corners.

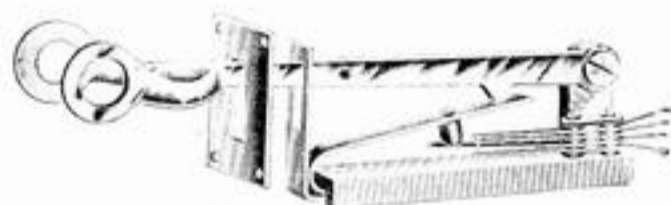


No. 151

HOOK SWITCHES

No. 151 hook switch is designed for use with watch case receiver and particularly where space is limited. The contacts are positive and proper care has been given to insulation.

Code Word	List Price
Hoke No. 151 Hook switch	\$1.00



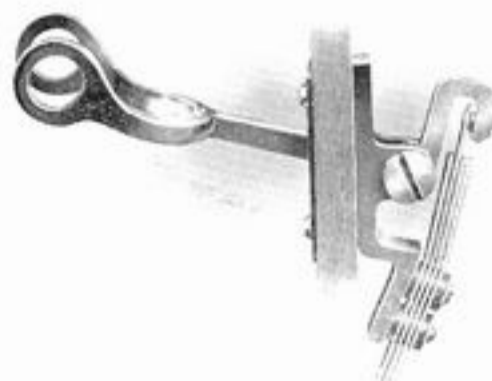
No. 152

No. 152. This type is used in our wall phones, both battery and magneto call. The switch is self-contained and assembled as a unit. The hook springs are long and of good action—receiver hook is removable.

Code Word	List Price
Hike No. 152 Hook switch	\$1.30
Heke No. 152-C Hook lever only	.50

No. 153. This type is designed with short lever hook for our standard long receiver. The contact springs are positive—hook is designed for right or left service—pivot screw can enter from either side.

Code Word	List Price
Hiter No. 153 Hook switch	\$1.20
Hoter No. 153-C Hook lever only	.50



No. 153

INDUCTION COILS

Code Word	List Price
Hovit No. 154 Length 2½", resistance 75 ohms	\$1.10
Hivor No. 155 Length 4", resistance 100 ohms	1.30
Hinot No. 156 Length 2½", 16 ohm primary, 30 ohm secondary for common battery	1.10

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

TRANSMITTERS Quality, Volume, Clearness



No. 45-A

No. 45-A. We illustrate herewith back view of the Connecticut solid back transmitter. This instrument is the result of many years of careful experiments and is considered by experts to be mechanically and electrically correct. They are fitted with the finest imported mirror carbon electrodes, and no expense has been spared to make it absolutely perfect. Every transmitter goes through a series of rigid tests before shipment, and all parts are carefully measured by a micrometer gauge to insure uniformity, thus the purchaser is assured of perfect results. This transmitter is guaranteed to work perfectly over hundreds of miles of toll lines or for interior telephone service. Furnished for magneto or central energy at prices quoted.



No. 46-A

Code Word	List Price
Tarto No. 45-A Transmitter, complete with back shell	\$2.50
Turo No. 45-B Transmitter, with short adjustable arm	3.70
Tive No. 45-C Operators' switchboard transmitter only	3.70
Ture No. 47 Mouth piece for No. 45 transmitter30

No. 46-A. This illustrates our No. 45-A transmitter mounted on an adjustable arm for magneto phones. Arm is finished in heavy black enamel.

Code Word	List Price
Tint No. 46-A Complete	\$4.00
Tarm No. 46-B Arm and base only	1.50

TYPE "G" HAND TELEPHONE SETS



Type G
With Switch in Handle

This type consists of a combined transmitter and receiver mounted together to be used as a hand phone. While we furnish these wired for numerous systems, we often have a call for the phone alone, without presser in handle, with four conductor cords, two conductors to transmitter and two to receiver. Also furnished for battery call magneto or common battery.

Code Word	List Price
Tire Type G 4 cond. cord, 2 from transmitter and 2 from receiver	\$9.00
Toto Type 5-G For magneto service with induction coil mounted on block with presser	13.00
Tavo Type 2-G For C. B. service with induction coil mounted on block	13.00
Tive No. 48 Special mouth-piece for hand micro-phone70
Tano No. 48-D Receiver diaphragms for hand micro-phones10

Types 5-G and 2-G contain pressure switch in handle, prices do not include bells.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

RECEIVERS

STYLE NO. 63-C RECEIVER

This double pole watch case receiver has the working parts mounted in the shell. The magnets are circular and will retain their magnetism permanently. They are fully as efficient as the long type.



No. 63-C

Code Word		List Price
Tuto	No. 63-C Wound to 80 ohms	\$1.40
Tric	No. 63-D Extra receiver caps for No. 63-C	.40
Tyle	No. 63-E Extra receiver caps for Duplex phone	.40
Tand	No. 63-F Receiver diaphragms for No. 63-C	.16
Trat	No. 63-G Receiver diaphragms for Duplex	.16

STYLE NO. 71-C RECEIVER

This receiver is unquestionably the highest grade on the market. The shell is rubberoid and all metal parts of the same are self-contained and can be removed as a unit. Cannot possibly be affected by temperature changes.



No. 71-C

Code Word		List Price
Talt	No. 71-C Receiver with 2½ or 3 ft. worsted cord	\$2.00
Tent	No. 71-D Complete receiver shells for No. 71-C	.70
Tred	No. 71-E Extra receiver caps	.40
Tode	No. 71-F Receiver diaphragms for No. 71-C	.16

RECEIVER CORDS

Code Word		List Price
Trot	No. 254 2½ ft. worsted	\$0.36
Trat	No. 256 3 ft. worsted	.40
Tink	No. 260 2½ ft. 2 cond. silk	.54
Tilo	No. 261 3 ft. 2 cond. silk	.74
Trak	No. 262 6 ft. 2 cond. silk	1.40

DESK SET CORDS

Code Word		List Price
Tilton	No. 170 6 ft. 3 cond. green silk	\$1.70
Tivelt	No. 171 6 ft. 4 cond. green silk	2.10
Tonker	No. 172 6 ft. 5 cond. green silk	2.50
Telver	No. 173 6 ft. 6 cond. green silk	3.00

Special cords furnished on request.

NO. 427 OPERATOR'S HEAD RECEIVER

This receiver is specially designed for switchboard use. Head band is of steel, leather covered. Receiver is adjustable to fit any head. Comfortable, light and efficient.



No. 427-A

Code Word		List Price
Tako	No. 427-A With 6 ft. green silk cord	\$3.80
Tors	No. 427-B Without cord	3.00
Tect	No. 427-C Head band only	1.20

NO. 437 DOUBLE OPERATOR'S HEAD RECEIVER

This material consists of two adjustable receivers with leather head band. This is also made up specially for wireless work.



No. 437

Code Word		List Price
Tred	No. 437 With cord	\$6.00
Trid	No. 447 Resistance of 1,000 ohms for wireless work	8.50

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.



No. 212

MULTIPLE PUSHES

We illustrate and list herewith our new multiple pushes. There is no question but what these have the best design and construction of any pushes yet placed on the market. They have long positive wiping contacts. Wires are connected direct to the contact springs with machine screws, doing away with all soldered connections. Card holders are furnished with transparent celluloid strips to protect name cards.

MULTIPLE PUSHES ON OAK BASE

Code	Word	No.	List Price	Code	Word	No.	List Price
Puld	211-B	4 Buttons	\$1.80	Perl	213-B	12 Buttons	\$3.60
Pink	211	6	1.90	Pare	213	14	4.20
Putt	212-B	8	2.50	Porl	214-B	16	4.80
Puto	212	10	3.00	Pide	214	20	5.70

Special finishes extra \$1.00.

MULTIPLE PUSHES WITH WEIGHTED OAK BASE

These are the same as our wood base type but have a weighted felt covered base on the underside so that they may be used on desks as a portable push.

Code	Word	No.	List Price	Code	Word	No.	List Price
Pora	215-B	4 Buttons	\$2.40	Pude	217-B	12 Buttons	\$5.00
Piva	215	6	2.60	Purr	217	14	5.90
Pett	216-B	8	3.50	Pone	218-B	16	6.70
Povo	216	10	4.20	Pund	218	20	8.10

Special finishes, extra \$1.00

Green silk covered flexible cord attached per foot, per conductor .05

FLUSH MULTIPLE PUSHES

These are made up with beveled brass plate so as to set flush in wall or desk. They are designed for high grade work.

Code	Word	No.	List Price	Code	Word	No.	List Price
Prot	219-B	4 Buttons	\$3.60	Poze	221-B	12 Buttons	\$5.40
Plato	219	6	3.80	Port	221	14	6.00
Pila	220-B	8	4.30	Pean	222-B	16	6.60
Plar	220	10	4.80	Punt	222	20	7.80

FLUSH MULTIPLE PUSHES ON OAK MATS

These are the same as our flush multiple pushes but are mounted on wood mats for desk use where it is not desired to set them flush. The finished brass face plates make a very handsome combination.

Code	Word	No.	List Price
Pave	No. 223	6 buttons	\$5.00
Pulp	No. 224	10 buttons	7.00
Pado	No. 225	14 buttons	9.00
Pern	No. 226	20 buttons	11.00

Finishes, brush brass, polished brass or nickel. Special finishes, extra.

CARD HOLDERS

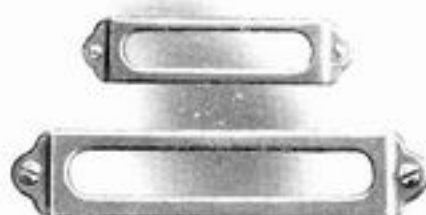
Code	Word	List Price
Pevo	No. 227 Card holder, opening $\frac{1}{4}$ " x $1\frac{3}{16}$ " nickel	\$0.08
Pent	No. 228 Card holder, opening $\frac{5}{16}$ " x 2" nickel	.10

NO. 229 FLUSH BUTTON PLATE

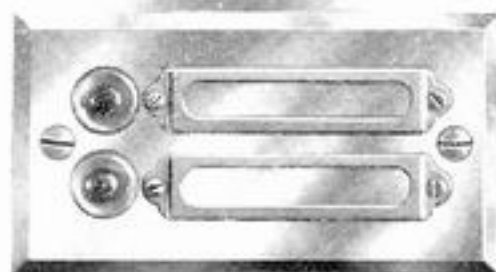
Code	Word	List Price
Pirto	No. 229 2 buttons with card holder	\$2.00
	Additional buttons with card holder, each	.90

Made in any number of buttons.

Finishes, brush brass, polished brass or nickel. Special finishes, extra.



No. 227 and No. 228



No. 229

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.



No. 510



No. 500

NEW NO. 510 PUSH BUTTON

This button is unquestionably the best yet placed upon the market. It is fitted with long self-cleaning contact springs with positive double wipe contacts which are protected from loose wires by a heavy metal guard—lugs on the side of binding post screws keep wire connections in proper position,—no soldering is necessary. Push button has a large oval center $\frac{9}{16}$ " diameter which has a solid stop. Entire button is solidly built and is practically indestructible. Can be mounted singly or in groups.

Standard finish is nickel. Put up in standard packages of 25.

Code Word	List Price
Poltent No. 510 2 contact push fits $\frac{5}{8}$ " hole. black center	\$0.24

Code Word	List Price
Poulter No. 510 2 contact push fits $\frac{5}{8}$ " hole. pearl center28

Special prices in quantities.



No. 250



No. 258

NO. 500 MIDGET PUSH BUTTON

Our No. 500 push button has been on the market for some time. It is therefore well known to our trade and is preferred by many on account of its compactness—it fits a $\frac{1}{2}$ " hole. The contact springs have long positive wipe and are self-cleaning. The binding posts are also fitted with special loop clips for holding any size wire.

Code Word	List Price
Poote No. 500 2 contact push fits $\frac{1}{2}$ " hole....	\$0.26
Povze No. 501 3 contact push fits $\frac{1}{2}$ " hole....	.36

Special prices in quantities.

FLUSH BUTTON PLATES

We show here a few styles of flush button plates which are stock sizes. However, we will be pleased to quote prices on special sizes if desired.

Code Word	List Price
Vont No. 250 One-button plate, $1\frac{1}{2}$ " x $3\frac{1}{4}$ "...	\$0.42
Vingo No. 252 Two-button plate, $1\frac{1}{2}$ " x $3\frac{1}{4}$ "...	1.20
Vilt No. 258 One-button plate, $1\frac{1}{2}$ " x $1\frac{1}{2}$ "...	.42
Vizet No. 370 One-button plate, $2\frac{1}{2}$ " x $4\frac{1}{4}$ "...	.90
Vitor No. 371 Two-button plate, $2\frac{1}{2}$ " x $4\frac{1}{4}$ "...	1.34
Vume No. 372 Three-button plate, $2\frac{1}{2}$ " x $4\frac{1}{4}$ "...	1.78

The $2\frac{1}{2}$ " x $4\frac{1}{4}$ " plates are drilled for No. 37 Bossert cover unless otherwise ordered.

Finish, brush brass, polish brass or nickel.

Special finishes extra.



No. 372

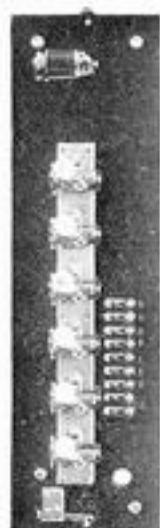
CONNECTICUT ELECTRIC RESET ANNUNCIATORS



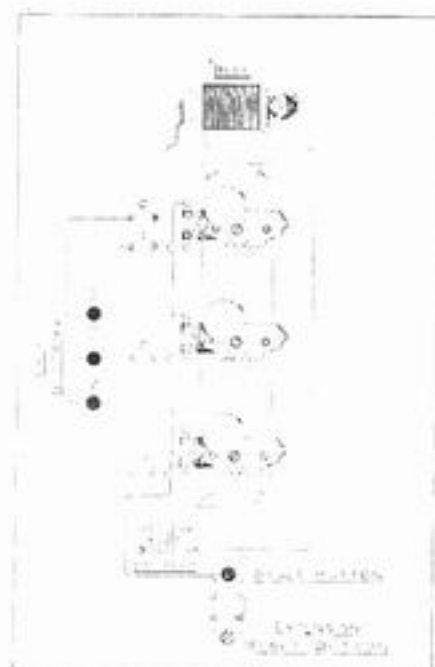
Metal Mounting Strip with
One Drop Removed



Top View of Drop
Patents Pending



Elevator Type
Cover Removed



Heretofore annunciators have been built with one idea—to sell at a cheap price. parts have been soldered together, wood spools have been used for magnets, and in fact anything was considered good enough as long as the annunciator worked when new, and it could be sold at a cheap price—no attention was paid to the battery current consumed to operate them.

There are two different classes of annunciators, the mechanical and electrical reset types. There can be only one thing said in favor of the mechanical type, and that is, it is cheap. Furthermore, it will not withstand the long hard use which it receives in places like an elevator. The drops of the electrical reset type have every advantage; they reset electrically by a push button which does away with all the jars and hammering of the mechanical type.

Attempts heretofore at the electric reset annunciators have had serious drawbacks, such as permanent magnets, which would demagnetize, and some even had four magnet coils to a drop. All used a push button to electrically restore the drops, the current flowing through the reset coils of a number of drops in multiple in order to reset one drop. This consumed a large amount of current, only a small part of which was used to restore one drop. It has also been necessary to have on an average of one reset button for each ten drops.

The Connecticut Electrical Reset Annunciator Drop is simplicity itself. It consists of only two independent magnet coils. One operates the drop and the other resets it. There are no permanent magnets of any kind. By a unique and positive arrangement only the independent reset magnet is in the restoring circuit after a drop has been operated. One reset button can be used for any annunciator, regardless of size. Each drop is a self-contained unit, and can be removed from the annunciator by disconnecting two wires and removing one machine screw. All drops are mounted on a vertical metal mounting strip which gives a rigid and substantial construction. As will be seen by the cut, all parts including drops, bell, and reset buttons are mounted on the back board so that when the front of the cabinet is removed they are accessible in their working condition. This is an ideal arrangement for the contractor. All drops are wired to terminals on the back board with machine binding screws for connecting to line wires. The reset button is also wired to two terminals so that an extension reset button may be used, if so desired.

Occupies less space than most other drops.

The most sensitive drop—small current consumption.

Broken glass does not require remarking of drops.

One set of batteries for call or reset.

Fire alarm attachment furnished, if desired.

Drops are reset singly or in groups.

IMPORTANT

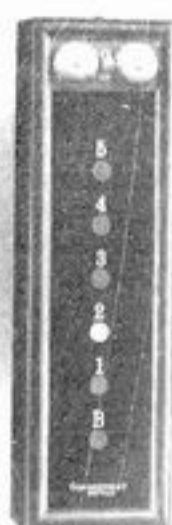
Orders should state number and markings of drops, we shall abbreviate names, if necessary. No extra charge for special lettering. Drops will be numbered from one up, unless otherwise specified. Wiring diagrams will be furnished.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

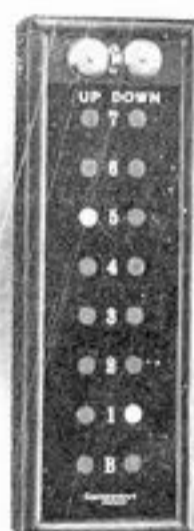
ELEVATOR ANNUNCIATORS

ELECTRIC RESET

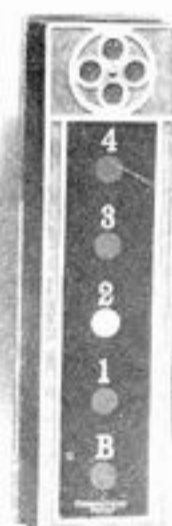
They are furnished with the signals arranged in one or two rows, as desired. If more than ten drops are required, signals will be furnished in double rows. All drops are electrically reset by a push button on the annunciator—an extension reset button can be located in any desired position. All parts including the drops, bell, and reset buttons are mounted on the back board so that when the front is removed, they are accessible in their working conditions. No spring cover contacts are used. Furnished with bell or buzzer. Standard finish is ebony. Special finish extra.



Type "L"



Type "A"



Type "LM"



No. 316

ELEVATOR ANNUNCIATOR

SINGLE ROW. TYPE "L" AND "LM"

Sizes specified do not apply for metal types.

Code Word	No. of Drops	Over All		Type L Price Wood Case	Type LM Price Metal Case
		Width In.	Height In.		
Azettol	3	5	11 1/2	\$ 7.70	\$10.60
Attolvs	4	5	11 1/2	9.00	11.80
Allovit	5	5	16 1/4	10.20	12.80
Abovels	6	5	16 1/4	11.30	13.80
Aillots	7	5	18 1/2	12.40	15.10
Assoltr	8	5	18 1/2	13.60	16.20
Avotils	9	5	22	14.80	17.20
Abbolto	10	5	22	16.00	18.30

ELEVATOR ANNUNCIATOR

DOUBLE ROW. TYPE "A" AND "AM"

Sizes specified apply for wood type.

Code Word	No. of Drops	Over All		Type A Price Wood Case	Type AM Price Metal Case
		Width In.	Height In.		
Argintl	4	6 1/2	8	\$ 9.80	\$11.80
Arrillo	6	6 1/2	11 1/2	12.40	13.80
Avatoze	8	6 1/2	11 1/2	14.90	16.20
Atozels	10	6 1/2	16 1/4	16.00	18.30
Abattol	12	6 1/2	16 1/4	18.50	20.40
Avollrs	14	6 1/2	18 1/2	20.70	22.20
Aoltoze	16	6 1/2	18 1/2	22.90	24.80
Attoril	18	6 1/2	22	25.10	26.80
Artolig	20	6 1/2	22	27.50	29.20
Agovitr	24	6 1/2	30	35.20	39.70
Avolzre	30	6 1/2	30	43.20	47.00

TYPE "M" METAL CASE

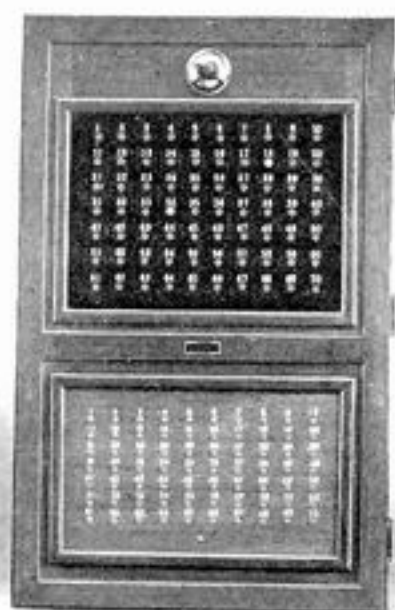
This style represents the neatest and most compact elevator annunciator. It is made up with drops mounted in single or double rows, the width of the single row type being only 3 inches. Illustration shows type "M" with buzzer and sound opening protected by bug-proof screen. Standard finish is dead black. Other finishes to order. Can be furnished with bell or buzzer, as specified.

ELEVATOR CALL BUTTONS

This is without question the handsomest design yet placed upon the market. The lines are simple and in keeping with the finest appointed interiors. Our standard finish is oxidized copper. The parts are well arranged and the cover can be easily removed in case of installation or adjustment. Furnished in both flush and wall types.

Code Word		List Price
Pulze	No. 316 Up and down elevator push...	\$2.10
Pudzo	No. 317 Up and down elevator push, flush type.....	2.20

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.



Type "R"



No. 303



No. 305



Type "P"

RETURN CALL ANNUNCIATOR ELECTRIC RESET. TYPE "R"

The general cabinet design of our style "R" annunciator is the same as our style "T" telephone annunciator, page 17. The lines of this cabinet are rich and the finish strictly high class, in keeping with the most modern office furniture. Return call buttons are mounted in a panel under the drops and are numbered to correspond, the reset button being mounted at the bottom of the panel. Annunciators have hinged back and front. Stock finish, golden oak. Special finishes are extra.

Code Word	No. of Drops	Arrangement		Over All		Price
		Across	Down	Width In.	Height In.	
Antorio	25	5	5	24	35 1/2	\$82.50
Avodirs	32	8	4	24	35 1/2	98.40
Adingot	40	8	5	26 1/4	37 1/4	126.20
Aivorts	50	10	5	26 1/4	37 1/4	155.20
Andevot	60	10	6	26 1/4	37 1/4	182.40
Airints	70	10	7	26 1/4	48 1/4	211.20
Atingos	80	10	8	26 1/4	48 1/4	240.60
Abators	100	10	10	26 1/4	48 1/2	288.00

Add \$2.40 per drop over 100.

NOTE—Type "R" can be arranged for individual reset if so ordered at slight additional charge.

AUTOMATIC SELF-SETTING DEVICE

All annunciators can be arranged with a self-resetting device, so that the last call will reset the previous drop displayed. Price additional to annunciators, list \$2.40

COMBINATION RETURN CALL AND PUSH

This is without question the handsomest design yet placed upon the market. The lines are simple and in keeping with the finest appointed interiors. Standard finish is oxidized copper. Special finishes to order. The parts are well arranged and the cover can be easily removed in case of installation or adjustment. Furnished in both flush and wall types, as illustrated. Sound opening is protected by a bug-proof brass screen.

Code Word		List Price
Pwot	No. 303 Return call buzzer and push	\$2.10
Ptow	No. 304 Return call bell and push	2.10
Pwol	No. 305 Return call buzzer and push, flush type	3.10

Price includes metal outlet box.

Special prices in quantities.

METAL CASE. TYPE "P" ELECTRIC RESET

Our type "P" compact annunciator is put up in a metal case with hinged cover—capacity two to four drops. The reset button is mounted on side of case, dimensions of case 7 x 5 1/4 inches. Finish, dull black. Furnished with bell or buzzer.

Code Word		List Price
Acodize	2-Drop	\$7.20
Acizore	3-Drop	8.00
Acorrte	4-Drop	8.80

Automatic self-setting device extra \$2.40
Special prices in quantities.

SURFACE WALL TYPE ANNUNCIATOR

ELECTRIC RESET. TYPE "S"



Type "S"

The cabinet design of our type "S" annunciator is rich and in keeping with the most modern quartered oak office furniture. The electric reset button is mounted on the bottom of the case—an extension reset button, however, can be located in any desired position. Annunciators over twenty drops have hinged back. Standard finish is dark golden oak, special finish extra. Furnished with bell or buzzer.

Code Word	No. of Drops	Arrangement		Over All		Price
		Across	Down	Width In.	Height In.	
Awortes	4	2	2	6 1/2	10	\$ 8.60
Aswozet	6	2	3	6 1/2	10	11.20
Atsolte	8	4	2	13 1/2	9	13.60
Altovet	10	5	2	13 1/2	9	16.00
Attolto	12	6	2	13 1/2	9	18.50
Aoltive	16	4	4	13 1/2	15	22.90
Aveingo	20	5	4	13 1/2	15	27.50
Aogelts	25	5	5	13 1/2	15	33.00
Agettol	30	6	5	13 1/2	15	39.60

For each additional drop over 30 add \$1.40 list.
Automatic self-setting device extra \$2.40. See page 32.



Type "K"

TYPE "K" TWO-DROP DOOR INDICATOR

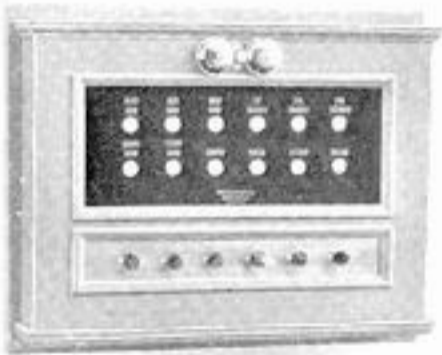
Our special two-drop indicator is designed principally for house use, the targets corresponding to the front and rear door. It is generally located in the kitchen. Only the last call made will be registered. It is unique in size and design. Furnished with bell or buzzer, as ordered.

Code Word	List Price
Akoz Type "K" 2-Drop, each.....	\$3.50

Special prices in quantities.

TYPE "B" BURGLAR ALARM ANNUNCIATOR

ELECTRIC RESET



Type "B"

This annunciator gives an alarm and indicates any open door or window—opening the switch only will stop the ringing of the bell—closing the door or window will not affect it. This outfit is complete with drops (electric reset), handsomely finished oak case, can be fitted with main cut-out switch, silent test, battery test, continuous test, etc. It is also fitted with our new plunger switches which are used in place of the old style lever type. Price includes special markings.

4-Drop	\$30.00	8-Drop	\$42.00	12-Drop	\$52.00
6-Drop	36.00	10-Drop	46.00	14-Drop	58.00

Each additional Drop over 14, \$3.00 List.

NO. 100 IMPEDANCE COIL

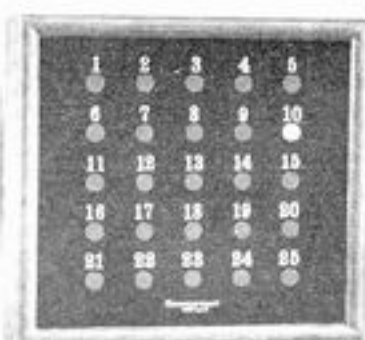


No. 100

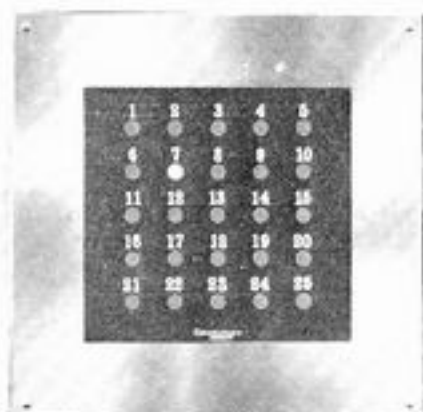
Our No. 100 Impedance coil is designed for common talking system such as our Systems Nos. 17, 12-A, 19, 21 and 36. One of these coils is required with each of the above systems.

No. 100 Impedance coil	\$1.00
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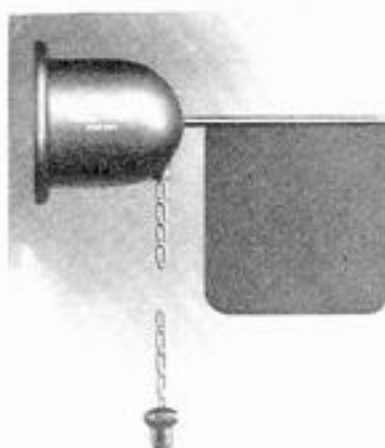
THE CONNECTICUT TELEPHONE AND ELECTRIC CO.



Type "O"



Type "W"



No. 306, Semaphore



Pendant with Cord and Plug



No. 230 Nurse's Call Outfit
Size, 4" x 3"

HOSPITAL ANNUNCIATORS ELECTRIC RESET

We are prepared to furnish special service for hospitals. The usual method is to have one Master Annunciator which is placed in the superintendent's office or head nurse's quarters or both, a number of smaller annunciators are placed in the various wards. Each patient is supplied with a pendant push outfit (illustrated below), pushing this pendant button operates a common drop on the Master Annunciators, also in the nurses' ward indicating the bed number. When the nurse returns to the patient she pushes a button on the pendant wall plate which restores electrically all the corresponding drops on the various annunciators. This outfit serves as an absolute check on the service rendered.

Telephone service can also be installed, if desired—our hand microphone can be arranged to plug in on a special pendant push plate.

HOSPITAL WALL ANNUNCIATOR TYPE "O"

Code Word	No. of Drops	Arrangement		Over All		Price
		Across	Down	Width In.	Height In.	
Aboters	4	2	2	6 1/2	8 1/2	\$10.40
Astovir	6	2	3	6 1/2	8 1/2	12.20
Avirsot	8	4	2	13 1/2	9	14.90
Artrins	10	5	2	13 1/2	9	17.40
Astuviz	12	6	2	13 1/2	9	20.10
Atontiz	16	4	4	11 1/2	12	26.00
Aborise	20	5	4	11 1/2	12	30.00
Aentors	24	6	4	17 1/2	16	34.60
Azonirs	30	6	5	17 1/2	16	43.20
Aboris	36	6	6	17 1/2	16	51.80
Asenots	40	8	5	17 1/2	16	57.60

Standard finish is dark golden oak.

Automatic self-setting device extra, list \$2.40. See page 32

HOSPITAL FLUSH ANNUNCIATOR TYPE "W"

Code Word	No. of Drops	Arrangement		Over All		Price Wood Mat.	Price Metal Mat.
		Across	Down	Width In.	Height In.		
Azonard	4	2	2	11	13	\$13.40	\$19.50
Adzonar	6	2	3	11	14	14.80	19.70
Adorzet	8	4	2	14 1/2	13	18.80	23.90
Antoset	10	5	2	16 1/2	13	21.60	26.70
Anticost	12	6	2	18	13	23.26	29.80
Atozive	16	4	4	14 1/2	16	27.20	30.50
Avozels	20	5	4	16 1/2	16	31.00	35.70
Anzerts	24	6	4	18	16	36.40	44.60
Azoles	30	6	5	18	18	44.70	54.00
Avolert	36	6	6	18	20	50.50	61.00
Adoltez	40	8	5	21 1/2	18	58.30	66.00

Standard finish for wood mats, dark golden oak.

Standard finish for metal mats, brush brass.

SEMAPHORE SIGNAL

The semaphore signal illustrated is designed for corridor use. It is generally mounted on the door casing of each ward, where it is clearly visible to the nurse in charge. This gives a visual signal without the ringing of a bell. This semaphore is provided with a red disk on a metal arm, which, when operated, projects into the corridor. It is reset mechanically by a chain. The semaphore can be operated in multiple with the Master Annunciators, if desired.

Code Word

List Price

Semo No. 306 Hospital semaphore \$4.20

NURSES' CALL PENDANT PUSH BUTTON

This outfit consists of a brush brass plate with jack and button which is set flush in the wall. A ten-foot cord and celluloid pendant push and plug are attached. The button on plate is used to restore the drop annunciator from bedside, as explained above. No. 230 plate is drilled to fit No. 37 Bossert cover.

Code Word

List Price

Viko No. 230 Complete with jack plate and pendant push \$3.20

Vida No. 231 Double station, two pendants 4.40

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

CONNECTICUT MULTI-PHONE

It Multiplies the Sound



Connecticut Multi-phone

This device can be quickly attached to a telephone without the use of tools. Doubtless you have had trouble receiving telephone messages—the Connecticut Multi-Phone assures you at all times of a most satisfactory telephone conversation. It will greatly intensify the sound. Even street noises, passing of trains, etc., will not interfere with the use of your telephone after the Multi-Phone is installed. Important messages are received clearly and the annoyance of having them repeated is entirely avoided. Also, if desired, two persons may receive a message at the same time. It will also be found a great help to anyone who is inclined to be deaf.

Anyone can install a Multi-Phone in two minutes—instructions are packed with each shipment.

No. 75 Multi-Phone outfit complete \$2.50

BREAK GLASS FIRE ALARM STATION

This outfit is unquestionably the most compact and efficient—breaking the glass starts the alarm. It is well designed and finished and is made circular, therefore it is easy to install.

The contact springs are made from the best spring bronze and have a long self-cleaning wipe contact. The parts are all mounted on a self-contained base and are well insulated with mica from the case.

A removable cover is arranged for testing the circuit without breaking the glass. The hammer head is ball shaped therefore it can be held in any position for breaking glass. The outfit is designed to set flush to the wall, but it can be mounted on mat if desired. It is also constructed so that connections can be made from the front or back. Metal outlet boxes can be supplied. Standard finish is Brush Brass. Special finishes bear slight additional charge.

Code Word List Price

Alunn No. 76 Flush Fire Alarm Station, complete \$3.80

Alart No. 77 Fire Alarm Station with mat, complete 4.40

Additional hammer with one foot of chain..... 1.00

Additional Fire Alarm glass..... .20



Break Glass
Fire Alarm Station

CONNECTICUT POCKET METERS

Improved Construction, Dead Beat, Etched Metal Dial, Jewelled Bearings

These instruments are designed to show the exact condition of your batteries either storage or dry cell.

The volt meter only is used for testing storage batteries, all of which should be tested separately and should show when fully charged between 2 and 2.2 volts.

The ammeter only is designed for testing dry cells and should not be used for testing ampere reading of storage batteries.

We feel there is a market for a dependable instrument of this kind sold at a fair price. The Connecticut meters represent unquestionably the best value for the money.

Dealers' Note.—A special discount applies to meters.

Code Word List Price

Trim No. 802 Volt ammeter, 0-30 amperes, 0-8 volts \$3.00

Whim No. 0802 Volt ammeter, 0-30 amperes, 0-15 volts 4.00

Prim No. 803 Ammeter only, 0-30 amperes..... 2.75

Brim No. 804 Volt meter 0-3 volts, 1-10 volt divisions 2.75

Frim No. 805 Volt meter, 0-8 volts..... 2.75

Grim No. 806 Volt meter, 0-15 volts..... 3.50



Volt Ammeter

Connecticut meters are furnished in a handsome leather case with snap lock unless otherwise specified. Prices do not include leather cases. Extra. List 50 cents.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 1

Automatic Non-Interfering Intercommunicating System Common Return

Suitable for: Factories, Schools, Stores, Large Offices, Hospitals, Residences, etc.

This is a non-interfering intercommunicating system. Any station can intercommunicate with any other on this system. The operation is as follows:

To call and talk with the desired station, press the button corresponding to the party desired. After calling, the button returns to talking position. Hanging up the receiver restores button to normal position. In answering a call, there are no special answering buttons to press.

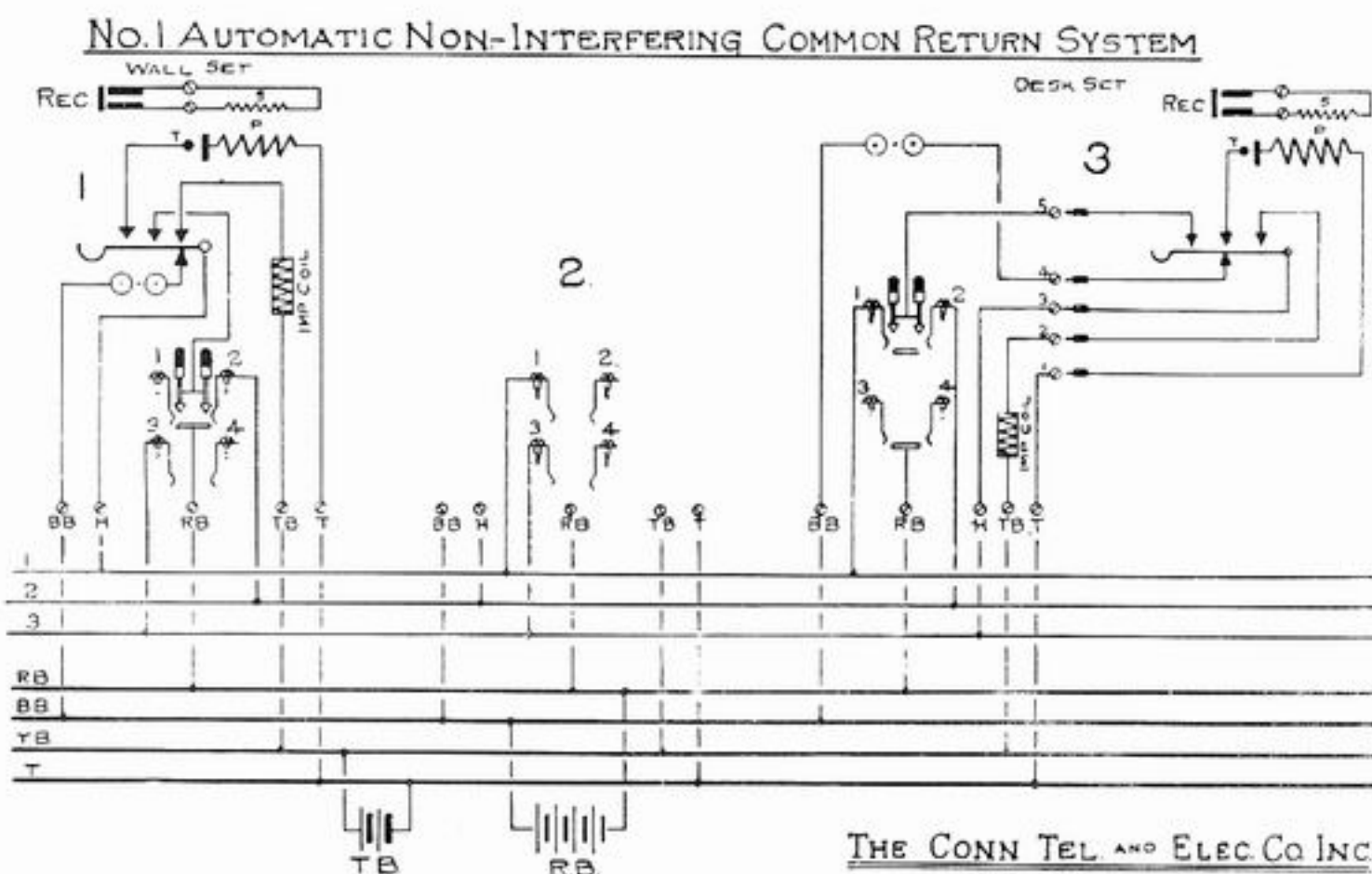
While this system has a common return circuit, we have, by special design of the instruments, secured a circuit which can be considered as non-interfering if properly installed. In fact if any induction should occur, it would be so slight that it would not interfere with the simultaneous use of several groups of stations. This induction is liable to increase with the length of the cable. For positively non-interfering intercommunicating service, we recommend our full metallic systems Nos. 35-M, 56-M, 59-M, 38-C, 56-C or 38-M, pages 4, 5 and 6.

Telephones: Connecticut automatics Nos. 35-B, 56-B, 59-A, 38-A, 56-A or 38-B, pages 4, 5 and 6, wall, flush or desk types.

Cable Specifications: Use a cable with as many line wires as there are telephones on the system, plus four battery wires. All wires are branched to each telephone, and four battery wires are branched to the batteries. We recommend using principally in dry places a cable composed of No. 20 tinned annunciator line wires, and two No. 18 and two No. 16 rubber-covered battery wires, all to be covered with rubber tape and weather-proof braid over all. For outside or wet places only lead or rubber-covered cable should be used. The size of battery wires for large systems should be larger than for small ones. Therefore, for cable up to 300 feet, use No. 18; from 300 to 700 feet, use No. 16; 700 feet or over, use No. 14.

Connecticut Junction Boxes should be placed at the intersection of all cables and all terminals numbered or lettered.

Batteries: For talking, two dry batteries for ringing batteries, three or more dry cells, according to the length of cable. Batteries are all centrally located.



THE CONN TEL. AND ELEC. CO. INC.
MERIDEN, CONN.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 3

Automatic Non-Interfering Intercommunicating System Metallic Circuit

Suitable for: Factories, Schools, Stores, Large Offices, Hospitals, Residences, etc., where it is important that the system should be absolutely free from cross talk or induction.

This is a full automatic non-interfering system. Any station can connect with any other, and any number of different conversations can be held at the same time without interference. The operation is as follows:

To communicate with the desired station, press the button corresponding to the party desired. After calling, the button returns to talking position. Hanging up the receiver restores the button to normal position.

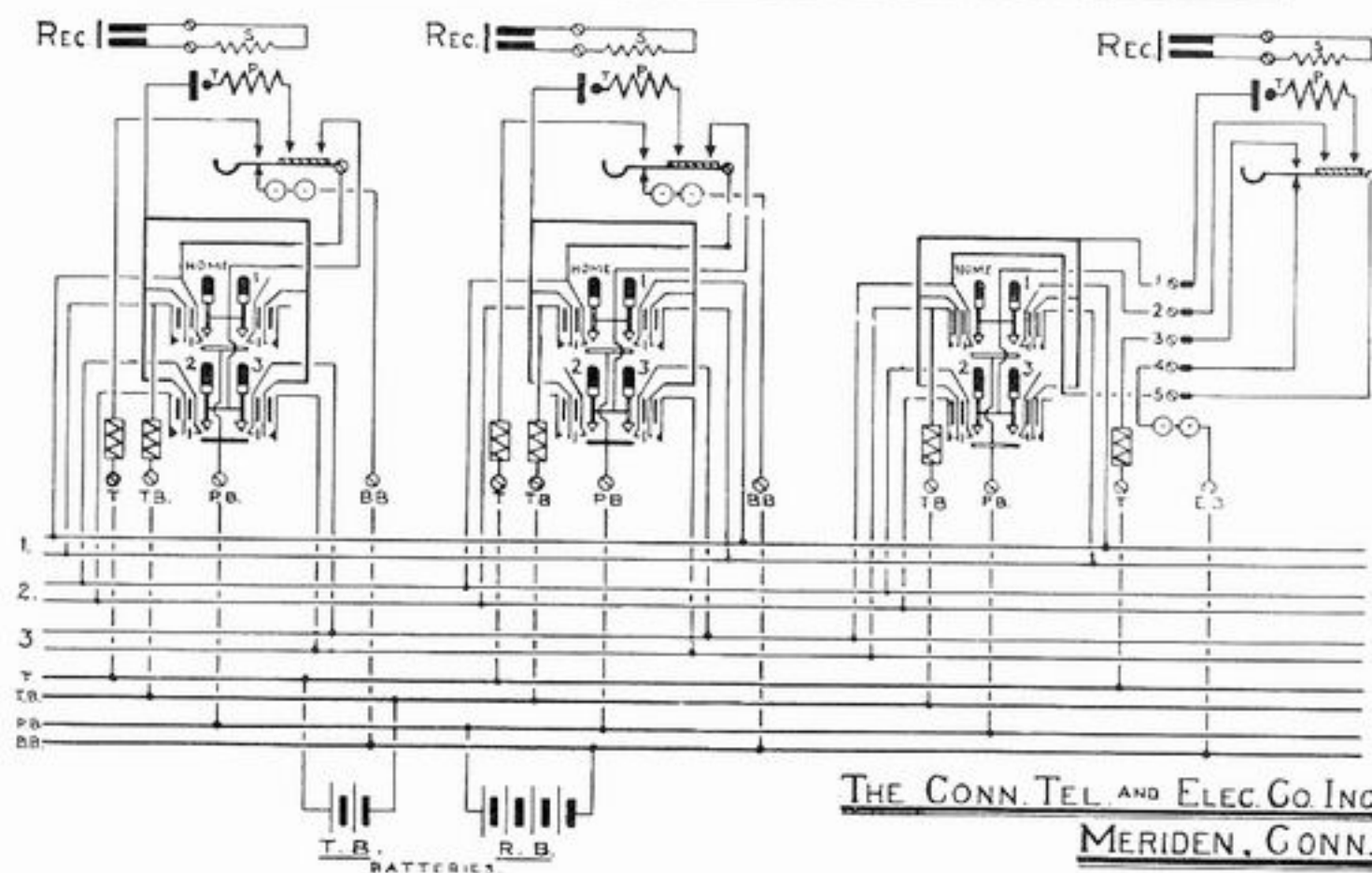
Telephones: Connecticut metallic circuit automatics, Nos. 35-M, 56-M, 59-M, 38-C, 56-C or 38-M, pages 4, 5 and 6, wall, flush or desk types.

Cable Specifications: Use a cable with as many twisted pair of wires as there are telephones on the system, plus four battery wires. All battery wires are branched to the battery. We recommend for dry places a cable composed of No. 22 twisted pair line wires and two No. 18 and two No. 16 battery wires, all wires to have two windings of silk and one of cotton, saturated with paraffine, and covered with rubber tape, and weather-proof braid over all. For outside or wet places only lead or rubber-covered cable should be used.

Connecticut Junction Boxes should be placed at the intersection of all cables and all terminals numbered or lettered.

Batteries: For talking, two dry cells for ringing, three or more dry cells according to the length of the cable. All batteries are centrally located. The size of battery wires for large systems should be larger than for small ones, therefore for cable up to 300 feet, use No. 18; from 300 to 700 feet, use No. 16; 700 feet, or over, No. 14.

No. 3. METALLIC AUTOMATIC NON-INTERFERING SYSTEM.



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 6

Multiple Intercommunicating System Common Talking Selective Ringing

Suitable for: Factories, Stores, Schools, Residences, etc.

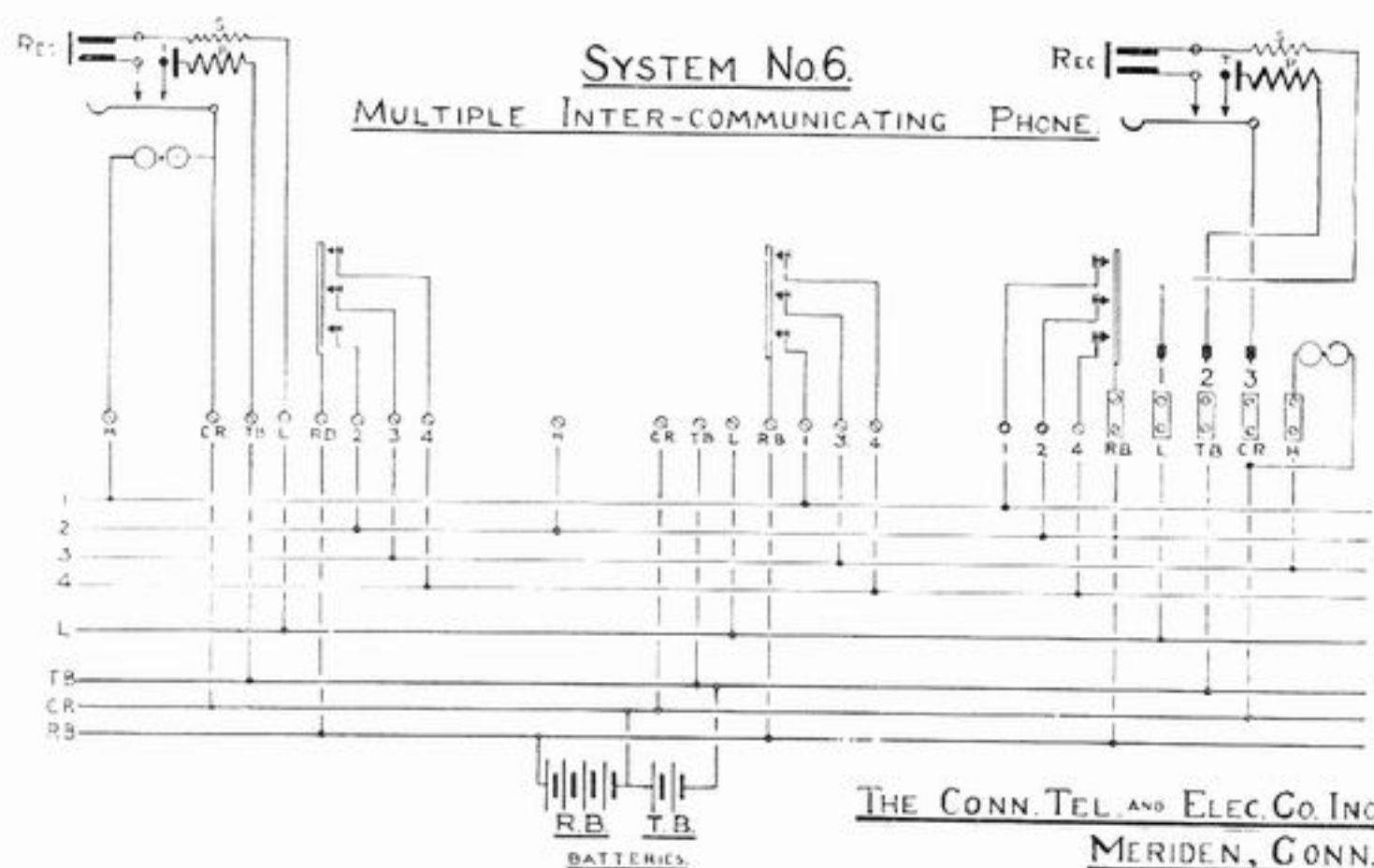
While this system is intercommunicating it is not, however, non-interfering, the talking apparatus of all telephones being connected to one pair of wires limiting the use of only two telephones on the system at the same time. The ringing of these telephones is selective and any one of them can be called by pressing the button corresponding to the party desired.

Telephones: Connecticut multiple phones, Nos. 52, 52-A, 52-B, 52-C, 54-A, 62 and 32, pages 8 and 9, wall, flush or desk types.

Cable Specifications: We recommend for dry places a cable composed of as many No. 20 tinned annunciator wires as there are telephones, with two No. 16 and two No. 18 rubber-covered battery wires, covered with rubber tape and weather-proof braid over all. All wires are branched to telephones and the four battery wires are branched to the batteries. For outside or wet places only lead or rubber-covered cable should be used.

Connecticut Junction Boxes should be placed at the intersection of all cables and all terminals numbered or lettered.

Batteries: For talking, two dry cells for ringing, three or more dry cells according to the length of the cable. All batteries are centrally located.



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 17

Common Return Intercommunicating System for No. 32 Telephones

Suitable for: Factories, Offices, Stores, Hospitals, Residences, etc.

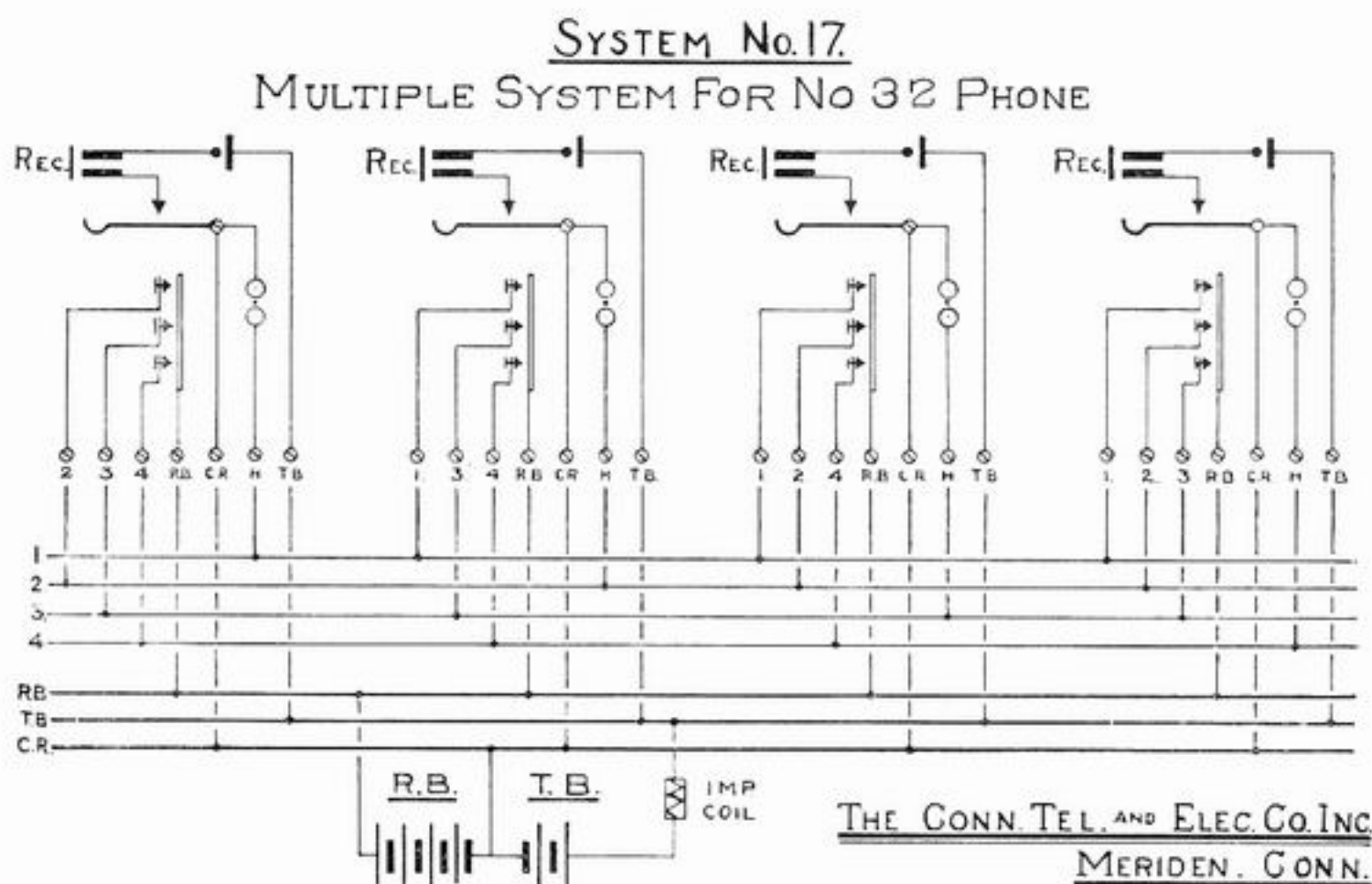
While this system is intercommunicating it is not, however, non-interfering, the talking apparatus of all telephones being connected to one pair of wires limiting the use of only two telephones on the system at the same time. The ringing of these telephones is selective and any one can be called by pressing the button corresponding to the party desired. There should be as many buttons on each telephone as there are stations. This system is similar to No. 6, but is arranged to be used without induction coil.

Telephones: Connecticut No. 32-17 telephone, page 9. One impedance coil is required with this system, (see page 33.)

Cable Specifications: We recommend for dry places a cable composed of as many No. 20 tinned annunciator wires as there are telephones, also three No. 16 rubber-covered battery wires, covered with rubber tape and weather-proof braid over all. No. 18 damp-proof office wire may be used if cable is not desired. All wires are branched to telephones and the three battery wires are branched to the batteries. For outside or wet places, only lead or rubber-covered cable should be used.

Connecticut Junction Boxes should be placed at the intersection of all cables and all terminals numbered or lettered.

Batteries: For talking, two dry cells for ringing, three or more dry cells according to the length of the cable. All batteries are centrally located.



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 10

Multiple System

Common Talking Multiple Ringing

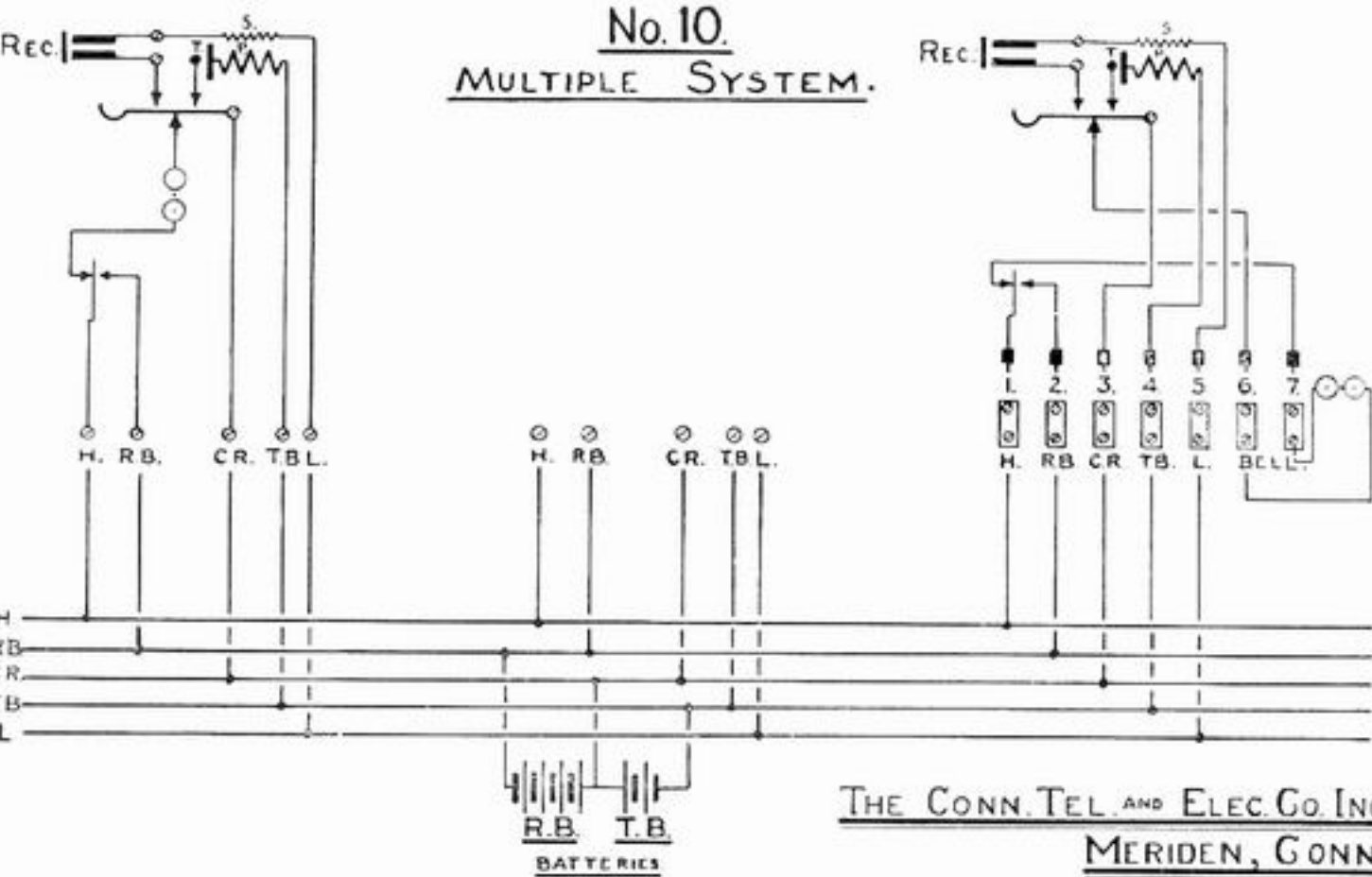
Suitable for: Factories, Offices, Stores, Residences, etc., where a small system is required.

This system is both multiple talking and ringing. The talking apparatus of all telephones is connected to one pair of wires thus limiting the use of only two telephones on the system at the same time. All bells are connected to one pair of wires so that in calling they all ring at the same time. A code of signals is used, i. e., two rings for station No. 2, and three rings for station No. 3, etc.

Telephones: Connecticut single point telephones, Nos. Duplex, 41, 30, 40, 25-A, 58, 60 or 64, pages 15, 17, 18 and 19, wall, flush or desk types, all of which are furnished with 20 ohm bells. (see page 4).

Cable Specifications: For dry places use a cable composed of five No. 18 annunciator wires covered with rubber tape and weather-proof braid over all. For outside or wet places, rubber-covered cables should be used. All wires are branched to the telephones, and three wires are branched to the batteries.

Batteries: For talking, two dry cells—for ringing, three or more dry cells according to the length of cable. All batteries are centrally located.



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 12-A

Centerphone System—Common Talking

Central and Outlying Stations

Suitable for: Factories, Schools, Stores, Offices, Hospitals, Residences, etc.

This system consists of a central telephone known as the centerphone and also outlying stations. This central station may call all the outlying stations, and any of the outlying stations may call the centerphone.

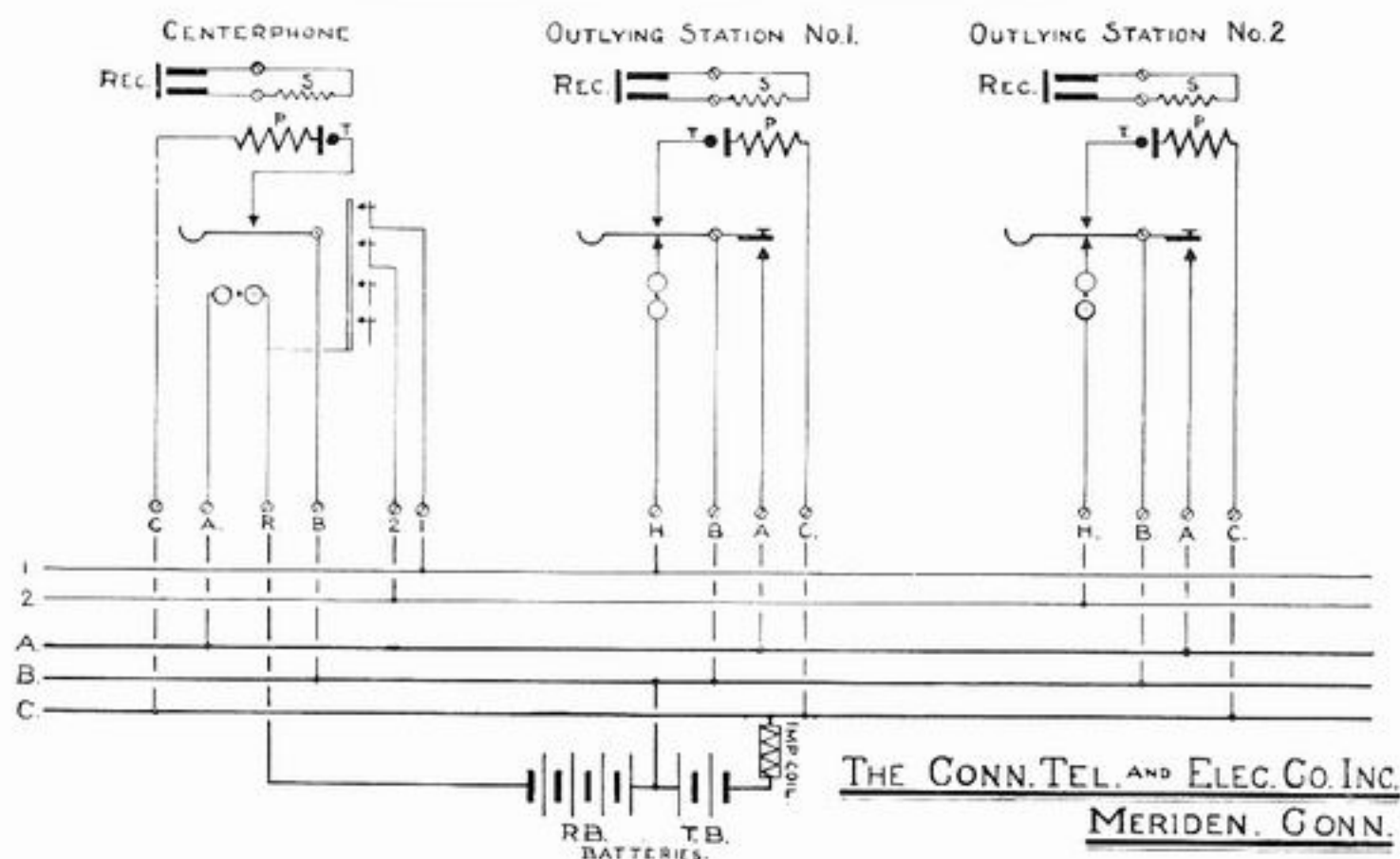
Should any outlying stations desire to talk with one another, they may do so by calling central, who will push the button corresponding to the required station. Since this system has a common talking circuit, stations will then be able to converse.

Telephones: For centerphone, use Connecticut multiple telephones, Nos. 52, 52-A, 52-B, 52-C, 54-A, 62 or 32, pages 8 and 9, wall, flush or desk types. For outlying stations use Connecticut single point telephones, Nos. Duplex, 41, 30, 40, 25-A, 58, 60 or 64, pages 15, 17, 18 and 19, wall, flush or desk types. One impedance coil is required with this system. (see page 33).

Cable Specifications: One direct wire from each outlying station to centerphone. Two common wires, B and C, branched to all outlying stations, centerphone and batteries; one common wire branched to all outlying stations and centerphone; one direct wire, R, from centerphone to batteries. We recommend the use of No. 18 damp-proof office wire for dry places. Only rubber-covered wire should be used for outside or wet places.

Batteries: For talking, two dry cells—for ringing, three or more dry cells, according to the distance between central and outlying stations.

No. 12. A. CENTERPHONE SYSTEM.



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 19

Centerphone System - Common Talking

Suitable for: Schools.

This system consists of a central phone and outlying stations. The central station or centerphone may call all the outlying stations and any of the outlying stations may call the central. There is located at the central an annunciator with as many drops as there are outlying stations. When an outlying station calls central, the call is recorded on the annunciator so that should the operator be absent from central at the time the call is made this station may be called when he returns.

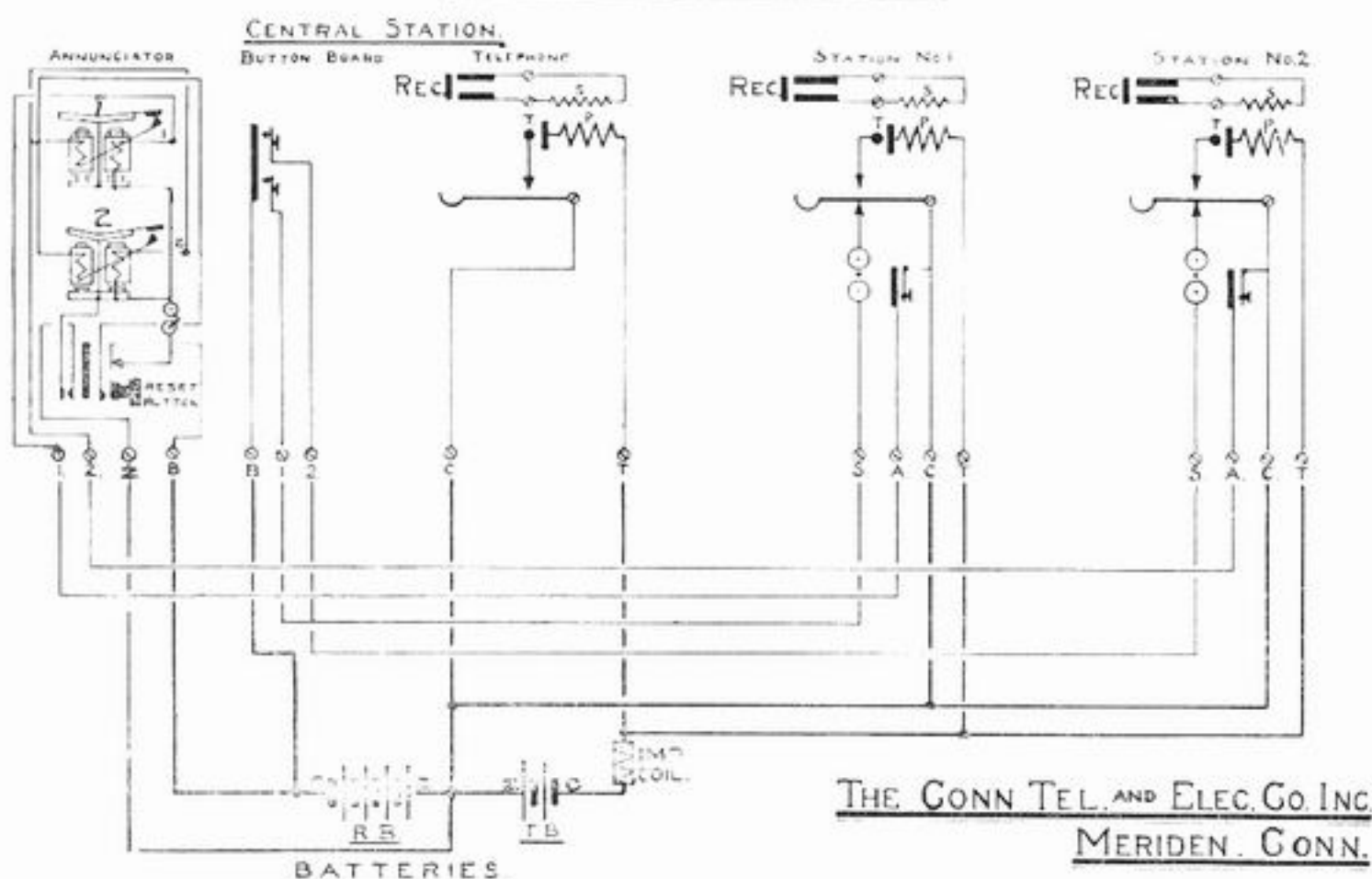
If one outlying station desires to talk with another they may do so by calling central, who will push button of party desired—stations can then converse for the reason this system has a common talking circuit.

Telephones: For central, Connecticut multiple telephones, wall, flush or desk types Nos. 52, 52-A, 52-B, 52-C, 54-A, 62, 64 or 32, pages 8 and 9 with our type S annunciator, page 33. For outlying stations use Connecticut single point telephones, Nos. Duplex, 41, 30, 40, 25-A, 58 or 60, pages 15, 17, 18 and 19. One impedance coil is required with this system. (see page 33.)

Cable Specifications: No. 18 damp-proof office wire may be used in dry places, but only rubber-covered wire should be used for outside or wet places. Run two wires direct from each outlying station to central, two common wires, C and T, branched to all outlying stations, central and batteries; one wire from central to batteries.

Batteries: For talking, use two dry cells—for ringing, three or more dry cells according to the distance between the stations.

SCHOOL SYSTEM No. 19.



SYSTEM NO. 18

Simple Residence Annunciator System

Common Talking

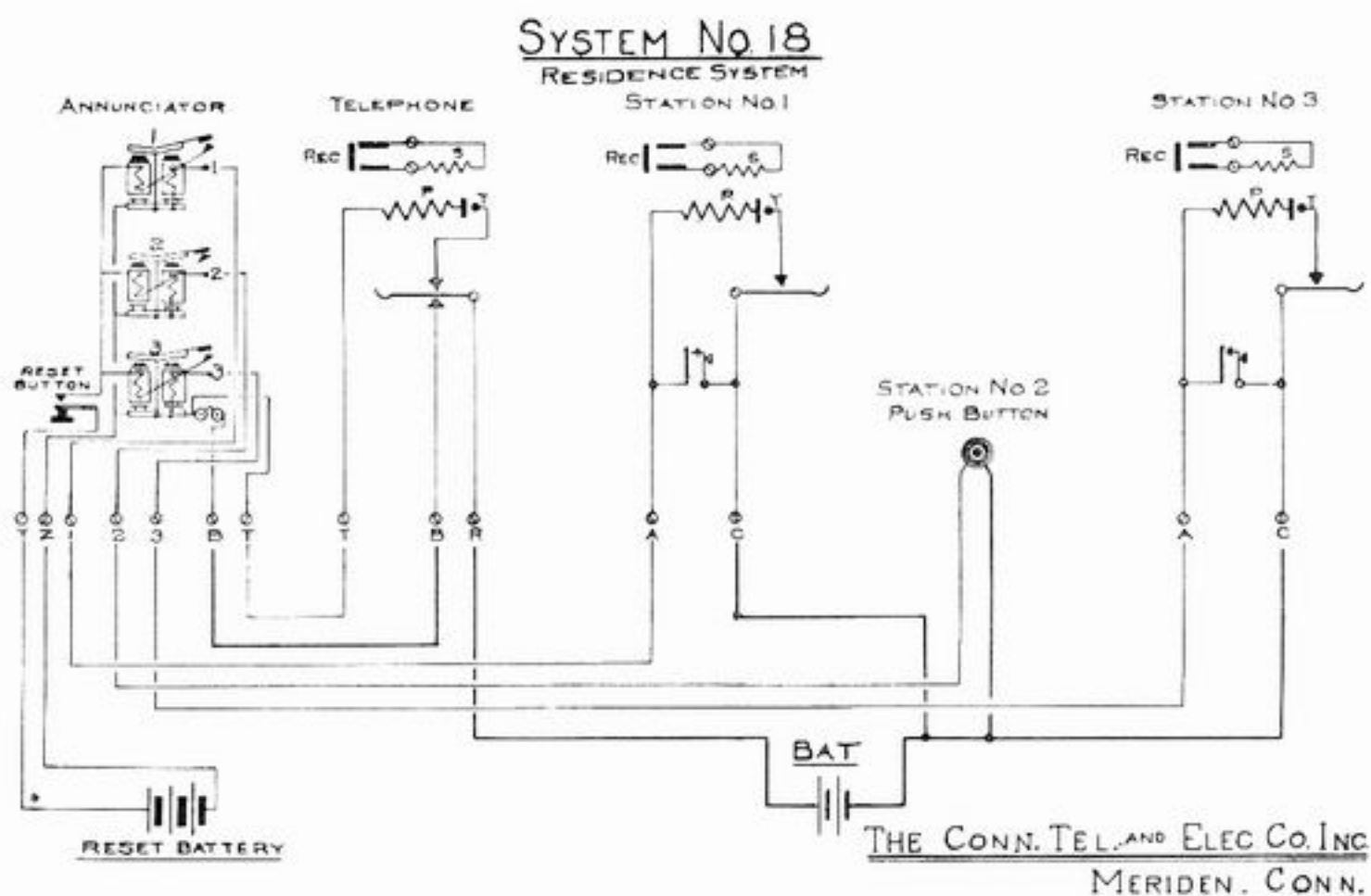
Suitable for: Residences now having an annunciator and call buttons.

In many cases it has been desirable to install a telephone system in a residence or location where there are already installed an annunciator and call buttons. This system is designed to utilize the annunciator and wiring without change. In place of each call button a telephone is installed and also one at the annunciator. It is not possible for the annunciator to call the out-lying stations. Therefore these stations are not equipped with bells, but they are arranged with a push button for calling the annunciator.

Telephones: Connecticut single point telephones without bells, Nos. Duplex, 41, 30, 40, 25-A, 58, 60 and 64, pages 15, 17, 18 and 19, wall, flush or desk types.

Cable Specifications: Use wires already installed.

Batteries: Use batteries already installed.



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 26

Apartment House Non-Interfering

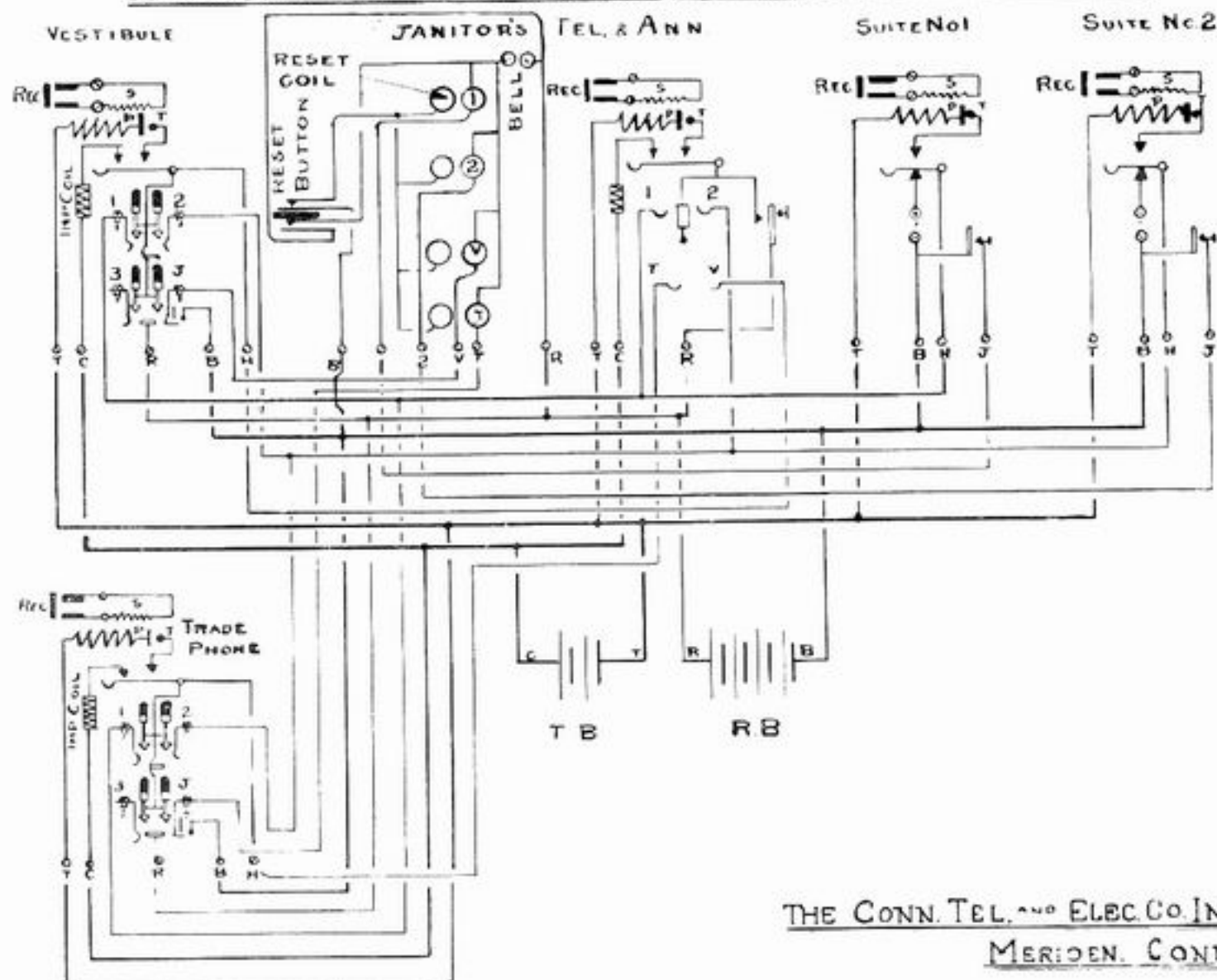
Suitable for: Apartment houses where service is desired between vestibule, suites, janitor and trade telephones and where it is important that any number of conversations can be carried on at the same time without interference. All suites and janitor may be called from the vestibule and also from the trade telephone. The janitor may call all suites and vice versa. When the janitor is called the number of the station calling is registered on the annunciator so in case of calls being made during his absence, same will be recorded for attention upon his return. If desired cord pairs will be furnished so that the suites can intercommunicate with each other through the annunciator.

Telephones: For vestibule telephone, No. 85 page 13 with or without letter boxes. For trade telephone, No. 35-B without bells, page 4. For suite telephones, Nos. 41, 30, 40, 25-A, 58, 60, 64 and duplex, pages 15-17-18-19. For janitor's telephone, type J, page 14.

Cable Specifications: Use No. 18 damp-proof office wire for dry places and rubber-covered wire for wet places. One direct wire from each suite to vestibule branched to janitor and trade telephone. One direct wire from each suite to janitor. One common wire, T, branched to all suites, janitor, vestibule, trade telephone and batteries. One common wire, B, branched to all suites, vestibule, trade telephones and batteries. Two common wires, C and R, branched to janitor, vestibule, trade telephones and batteries. Two direct wires from vestibule to janitor. Two direct wires from trade telephone to janitor. If electric door opener is desired one common wire from all suites to door opener and one direct wire from door opener to batteries.

Batteries: For talking, two dry cells for ringing, three or more dry cells according to the distance between vestibule and suites. All batteries are centrally located.

No. 26 NON-INTERFERING APARTMENT HOUSE SYSTEM.



THE CONN. TEL. & ELEC. CO. INC.
MERIDEN, CONN.

SYSTEM NO. 23

Apartment House Non-Interfering

Suitable for: Apartment Houses where service is only desired between vestibule and suites, but where it is an advantage to prevent any suite phone from listening to conversation between vestibule and another suite.

This is a non-interfering apartment house system giving service from vestibule to the different suites. When conversation is being held between the vestibule and any suite phone, none of the others can listen in.

To call any suite from vestibule, press the button corresponding to the suite desired. After calling, the button returns to talking position. Pressing another button or hanging up receiver restores the first to normal position. A button is placed on each suite telephone to operate an electric door opener, if desired.

Telephones: For vestibule telephones, No. 85, page 13, with or without letter boxes. For suites, single point telephones, Nos. Duplex, 41, 30, 40, 25-A, 58, 64 and 16, pages 15, 17, 18 and 19, wall, flush or desk types.

Cable Specifications: Use No. 18 damp-proof office wire for dry places, and rubber-covered wire for wet places. Run one direct wire, H, from each suite to vestibule. One common wire, T, branched to all suites, vestibule and battery; one common wire, B, branched to all suites and battery. Two direct wires, C and R, from vestibule to battery. If door opener is required, run one common wire, D, branched to all suites and door opener, one direct wire from door opener to battery.

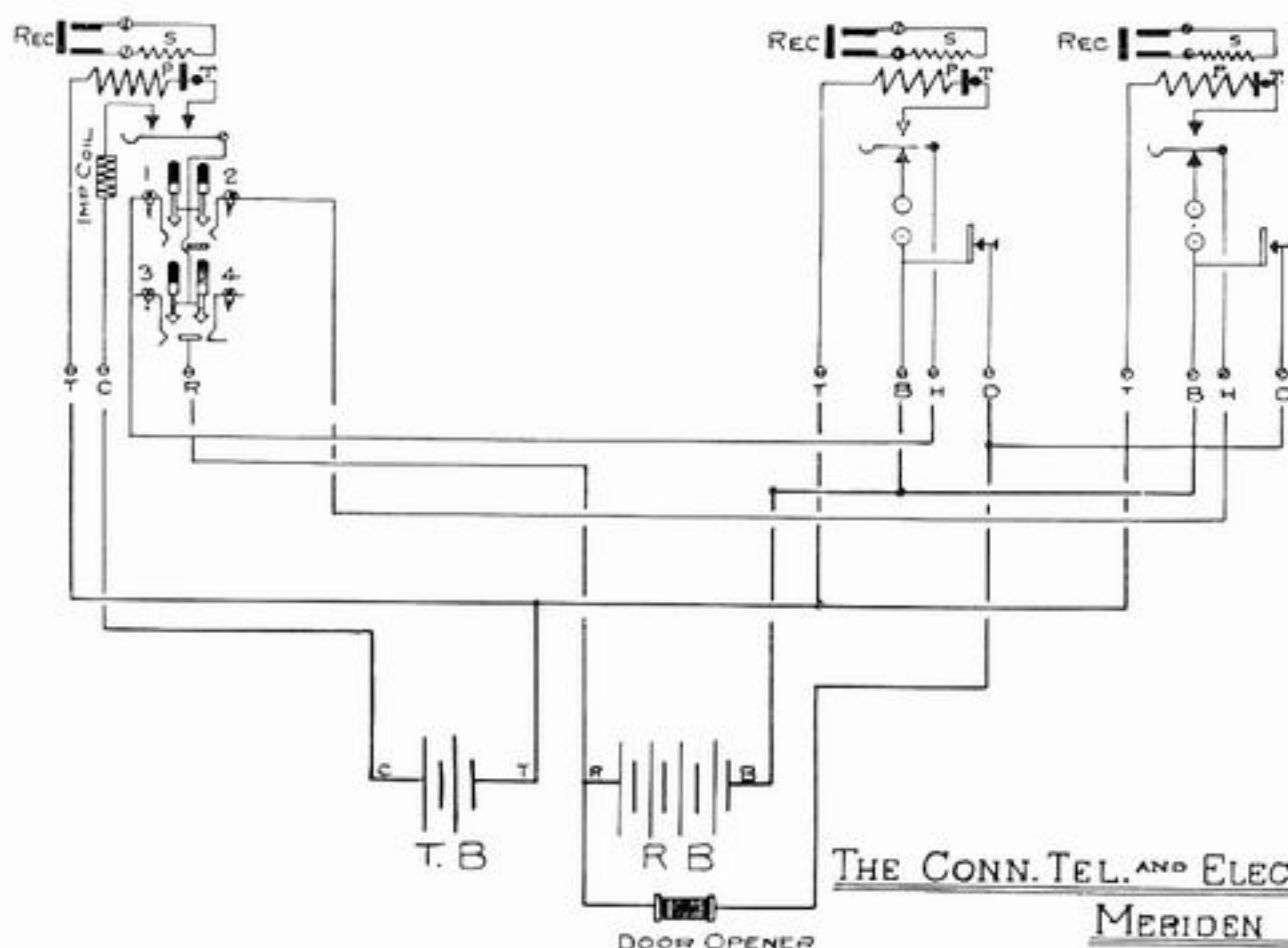
Batteries: For talking, two dry cells— for ringing, three or more dry cells according to the distance between vestibule and suites. Batteries are all centrally located.

No 23 Non-Interfering Apartment House System.

VESTIBULE

Suite No 1

Suite No 2



THE CONN. TEL. AND ELEC CO. INC.
MERIDEN CONN.

SYSTEM NO. 21

Apartment House - Common Talking

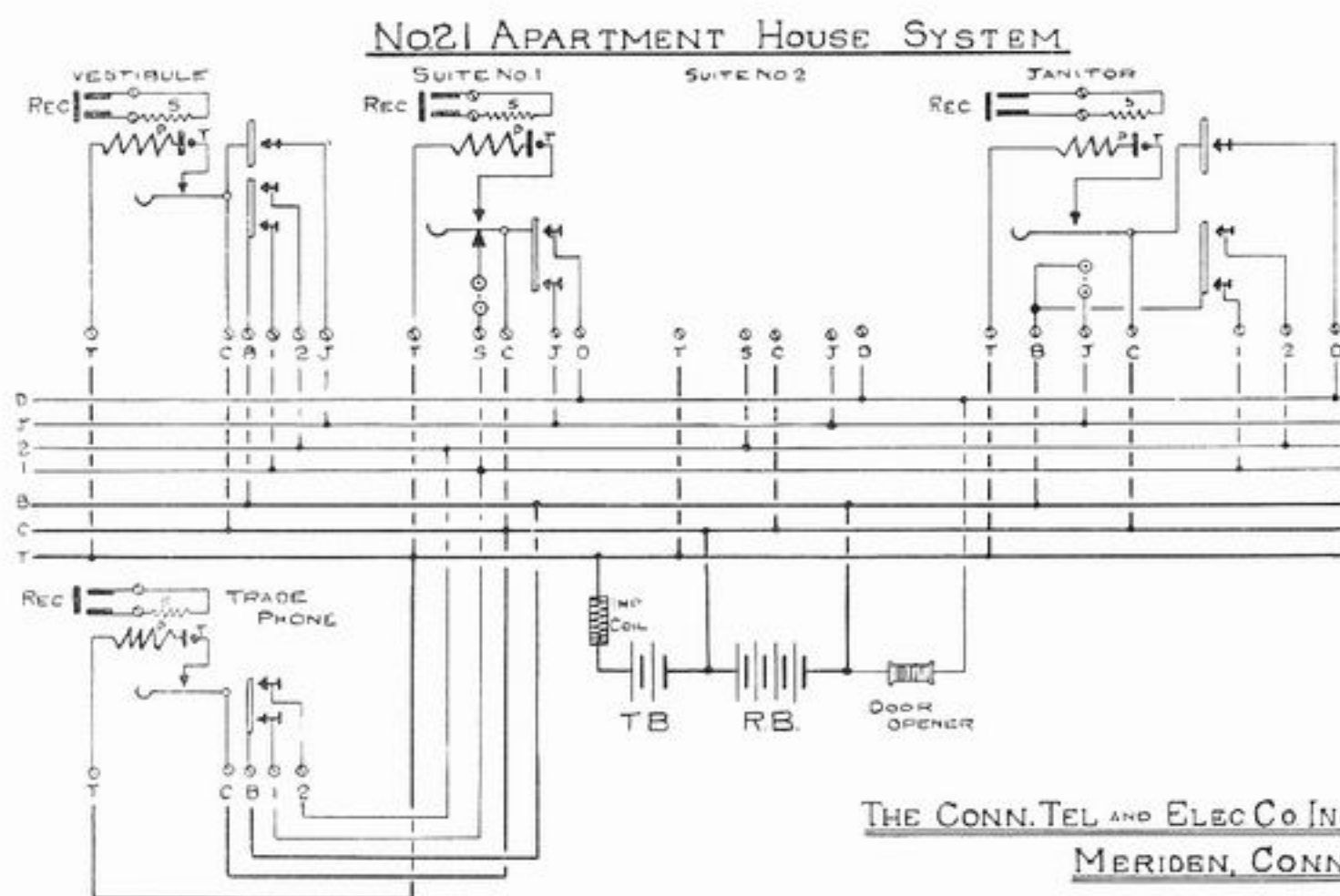
Suitable for: Apartment Houses where service is desired between vestibule, suites, janitor and trade telephone, but where it is not important that the system be non-interfering.

This is a common talking apartment house system. All suites and janitors may be called from the vestibule and also from the trades' phone. The janitor may call all suites and all suites can call the janitor. As this system has a common talking circuit, only two telephones on the entire system can be in use at one time. Suite phones can intercommunicate by pushing the corresponding buttons on janitor's phone simultaneously. On the vestibule and trade telephones there are buttons for calling all suite phones or janitor. Each suite telephone is equipped with a button for calling janitor. When desired, a button for operating an electric door opener is placed on each suite telephone.

Telephones: For vestibule, use vestibule telephones, Nos. 74, 83 and 84, pages 12 and 13 with or without letter boxes. For janitor's telephone, No. 332, page 14. For trade telephone, No. 330, page 14. For suite telephones, single point telephones, Nos. 41, 30, 40, 25-A, 58, 60, 64 and Duplex, pages 15, 17, 18 and 19, wall, flush or desk types. One impedance coil is required with this system, (see page 33).

Cable Specifications: For dry places, No. 18 damp-proof office wire may be used but in wet places only rubber-covered wire should be used. Run one direct wire from each suite to vestibule, branched to trade phone and janitor. One common wire, J, branched, to all suites, vestibule, janitor and trade phone. Two common wires, T and C, branched to all suites, vestibule, janitor, trade phone and batteries. One common wire, B, branched to vestibule, janitor, trade phone and batteries. If electric door opener is required, run one common wire, D, branched to all suites and door opener and one direct wire from door opener to batteries.

Batteries: For talking, two dry cells for ringing, three or more dry cells according to the distance from vestibule to suite telephones. All batteries are centrally located.



SYSTEM NO. 25

Apartment House Common Talking

This is a common talking apartment house system similar in operation to our No. 21 page 46 with the exception our type J telephone annunciator is used at the janitor's quarters instead of No. 332 janitor's telephone. (see page 14). When the janitor is called the number of the station calling is registered on the annunciator so in case of calls being made during his absence, same will be recorded for attention upon his return. On the vestibule and trade telephones there are buttons for calling all the suite phones and janitor. Each suite telephone is equipped with button for calling janitor. If specified a button is placed on each suite phone to operate electric door opener at vestibule. As this system has a common talking circuit, only two telephones on the entire system can be in use at a time.

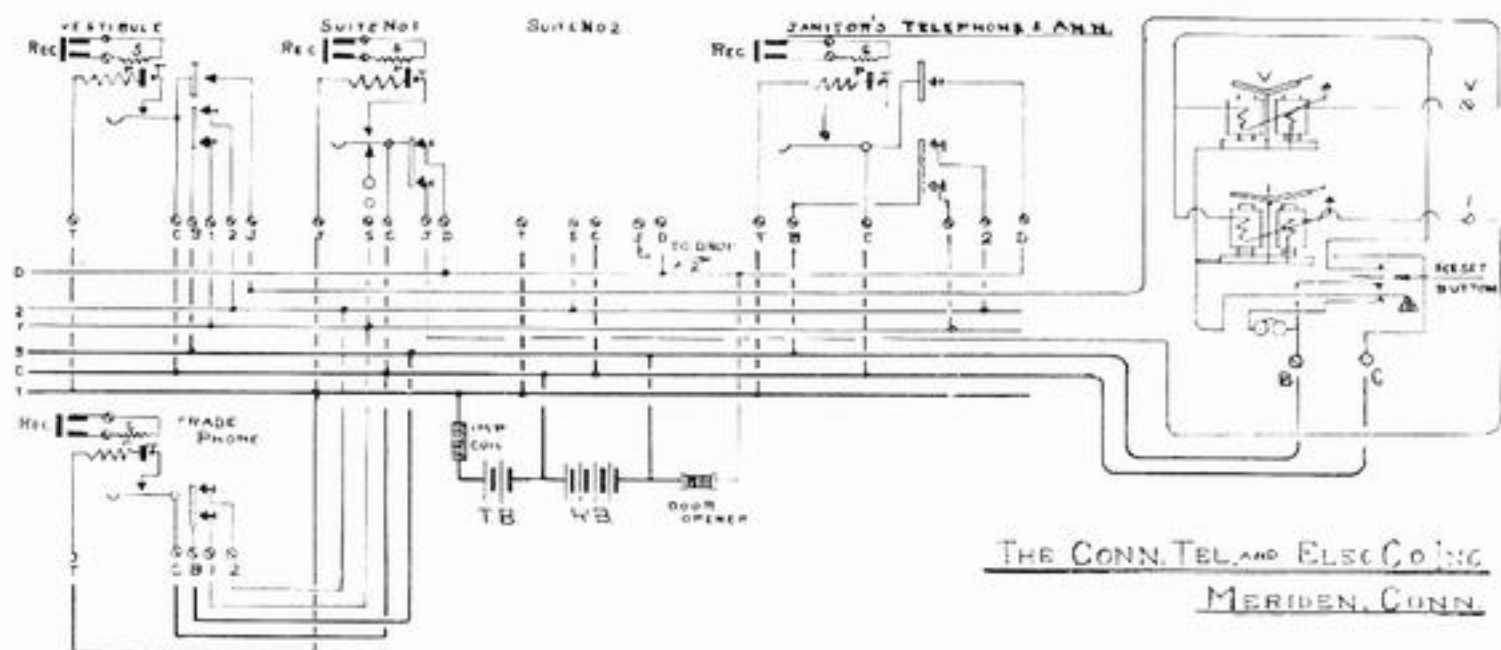
Note: If desired this system can be divided into sections with a separate talking circuit for each section so that a conversation taking place in one section cannot be interrupted by conversation from another section. With this outfit a special janitor's annunciator is required.

Telephones: For vestibule telephones, our No. 74, 83, 84 pages 12 and 13, with or without letter boxes. For trade telephone, No. 330 page 14. For janitor's telephone, type J telephone annunciator outfit page 14. For suite telephones, Nos. 41, 30, 40, 25-A, 58, 60, 64 and duplex, pages 15, 17, 18 and 19. One impedance coil is required with this system, see page 33.

Cable Specifications: For dry places, No. 18 damp-proof office wire may be used but in wet places only rubber-covered wire should be used. Run one direct wire from each suite to vestibule, branched to trade phone and janitor. One direct wire, J, from all suites, to janitor. Two common wires, T and C, branched to all suites, vestibule, janitor, trade phone and batteries. One common wire, B, branched to vestibule, janitor, trade phone and batteries. If electric door opener is required, run one common wire, D, branched to all suites and door opener and one direct wire from door opener to batteries.

Batteries: For talking, two dry cells, for ringing, three or more dry cells, according to the distance from vestibule to suite phones. All batteries are centrally located.

NO 25 APARTMENT HOUSE SYSTEM
WITH ANNUNCIATOR FOR JANITOR



THE CONN. TEL. AND ELEC. CO. INC.
MERIDEN, CONN.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 22

Apartment House—Common Talking

Suitable for: Apartment Houses where service is only desired between vestibule and suites and where it is not important that the system be non-interfering.

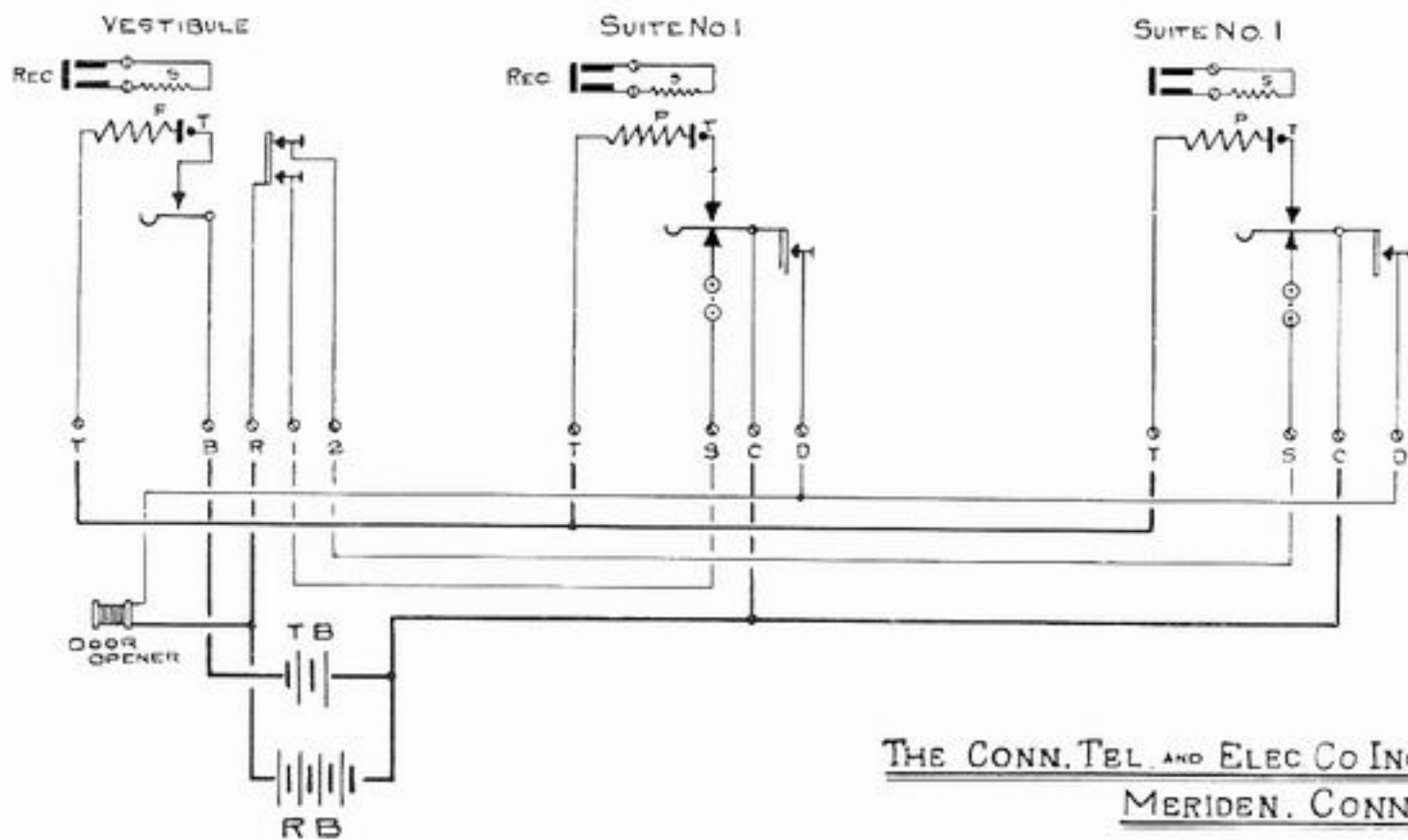
This is a common talking circuit apartment house system giving service from the vestibule to the different suites. As it is not non-interfering, any suite can listen to a conversation between vestibule and any other suite. The vestibule telephone is equipped with buttons for calling all suites. If desired, a button is placed on each suite telephone for operating an electric door opener.

Telephones: For vestibule telephones, Nos. 74, 83 and 84, pages 12 and 13, with or without letter boxes. For suites, single point telephones, Nos. Duplex, 41, 30, 40, 25-A, 58, 60 and 64, pages 15, 17, 18 and 19, wall, flush or desk types.

Cable Specifications: Use No. 18 damp-proof office wire for dry places and rubber-covered wire for wet places. Run one direct wire from each suite to vestibule. One common wire, T, branched to all suites and vestibules. One common wire, C, branched to all suites and batteries. Two direct wires, B and R, from vestibule to batteries. If electric door opener is required, run one common wire, D, branched to all suites and door opener and one direct wire from door opener to batteries.

Batteries: For talking, two dry cells—for ringing, three or more dry cells according to the distance between vestibule and suites. Batteries are all centrally located.

No. 22 APARTMENT HOUSE SYSTEM.



THE CONN. TEL. AND ELEC CO INC
MERIDEN, CONN.

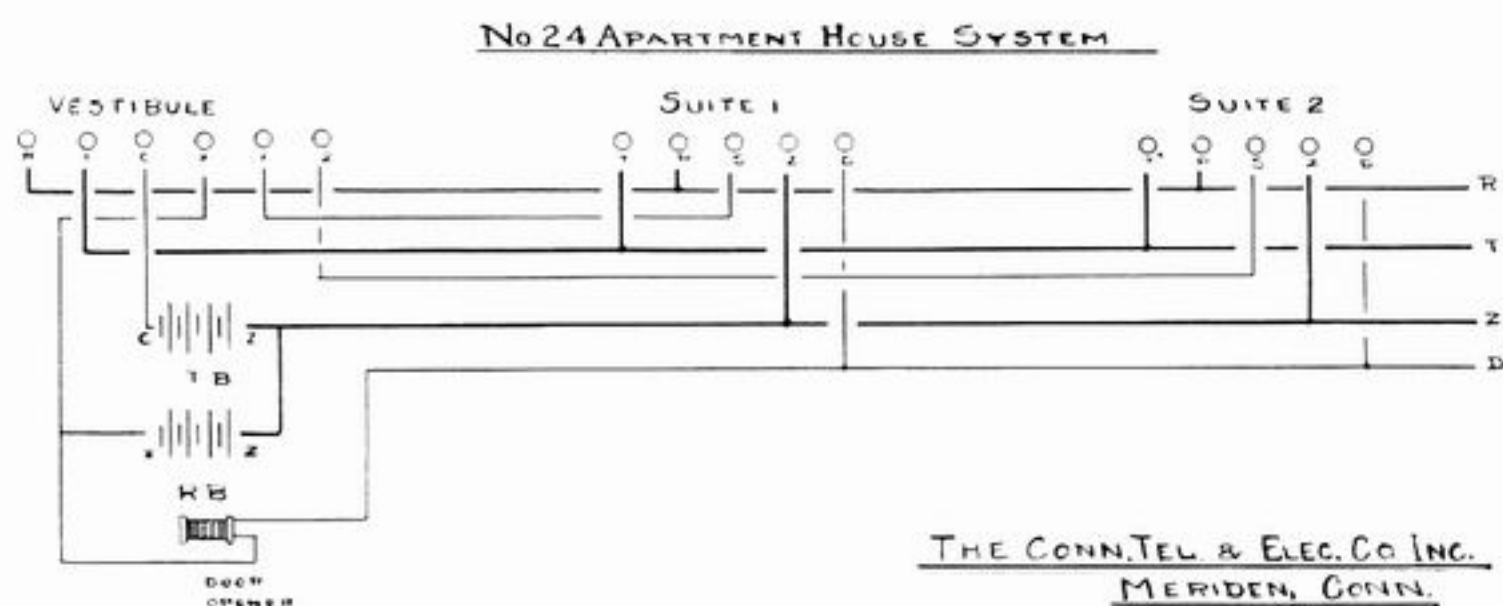
SYSTEM NO. 24
Apartment House—Common Talking
Cordless Vestibule Sets

Suitable for: Apartment houses where cordless service is desired between vestibule and suites only and where it is not important that the system be non-interfering. It is somewhat similar in operation to our system No. 22, page 48. Our cordless set is used for the vestibule and is unique in the fact that the circuit does not require a receiver switch hook. It is also equipped with button for calling all suites. If desired a button is placed on each suite telephone for operating an electric door opener.

Telephones: For vestibule telephones No. 84 and 86, pages 11 and 12, with or without letter boxes. For suites, Duplex, No. 64, 60, 41, 30, 40, 25-A and 58 pages 15, 17, 18 and 19,—wall flush or desk types.

Cable Specifications: Use No. 18 damp-proof office wire for dry places and rubber covered wire for wet places. Run one direct wire from each suite to vestibule. One common wire T, branched to all suites and vestibules. One common wire, R, branched to all suites. Two direct wires C and X, from vestibule to batteries. One common wire from all suites to batteries. If electric door opener is required, run one common wire D, branched to all suites and door opener and one direct wire from door opener to batteries.

Batteries: For talking, two dry cells—for ringing, three or more dry cells, according to the distance between vestibule and suites. Batteries are all centrally located.



SYSTEM NO. 27

Apartment House—Common Talking

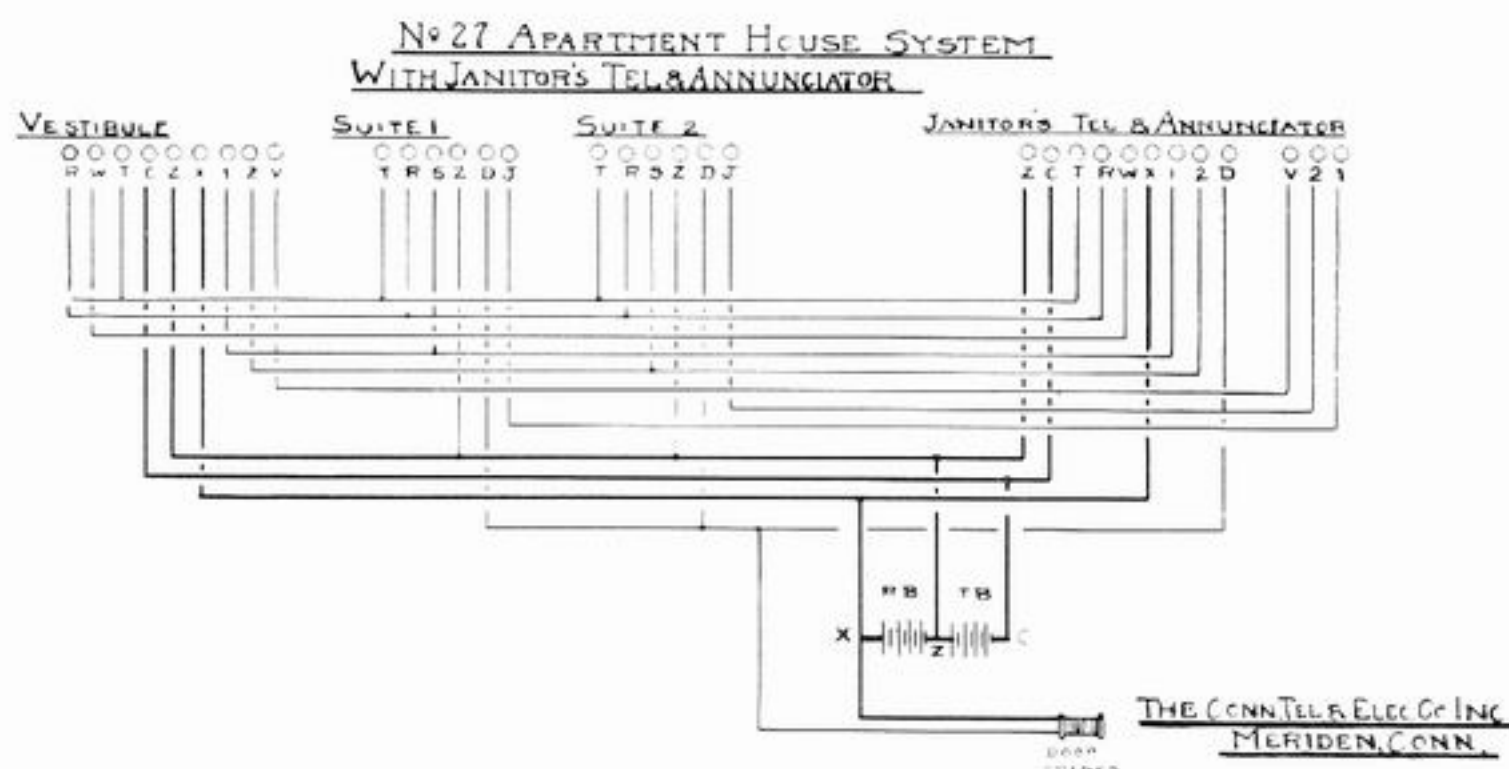
Cordless Vestibule Set

Suitable for: Apartment houses where cordless service is desired between vestibule, suites and janitor, and where it is not important that the system be non-interfering. All suites and janitor may be called from the vestibule. The janitor may call all suites and all suites can call janitor. As this system has a common talking circuit, only two telephones on the entire system can be in use at the same time. When the janitor is called the number of the station calling is registered on the janitor's annunciator, so in case of calls being made during his absence, same will be recorded for attention upon his return. To talk to vestibule, throw key to "V" position—to talk to suite, throw key to "S" position. If desired a button for operating electric door opener is placed on all suite telephones.

Telephones: For vestibule telephone, our No. 84 and No. 86 pages 11 and 12 with or without letter boxes. For suite telephones, Nos. 41, 30, 40, 25-A, 58, 60, 64 or duplex pages 15, 17, 18 and 19. For the janitor's outfit, our type D annunciator, page 14.

Cable Specifications: Use No. 18 damp-proof office wire for dry places and rubber covered wire for wet places. One direct wire from each suite to vestibule branched to janitor's telephone. One direct wire from each suite to janitor. One common wire T branched to all suites, janitor and vestibule telephone. One common wire R branched to all suites, vestibule and janitor's telephones. One common battery wire Z branched to janitor, vestibule, suites and batteries. Two direct wires W and V from vestibule to janitor. Two battery wires C and X from vestibule telephone to janitor to battery. If electric door opener is desired one common wire from all suites to door opener and one direct wire from door opener to batteries.

Batteries: For talking, four dry cells—for ringing, three or more dry cells, according to the distance between vestibule and suites. All batteries are centrally located.



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 30

Telephone Annunciator

Two Direct and One Common Wire

Suitable for: Hotels, Schools, etc.

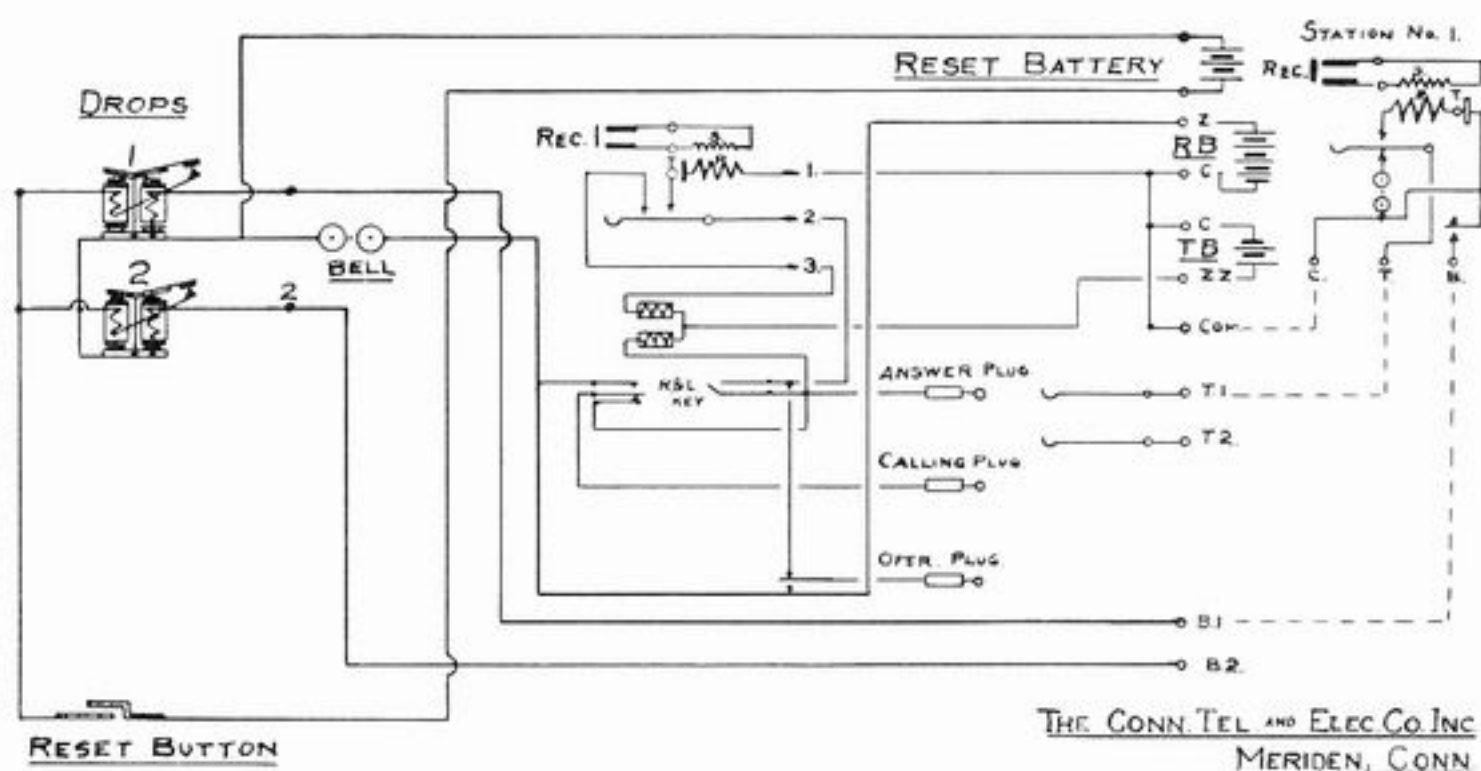
This system consists of a central telephone annunciator to be placed in the office of a hotel and connected to telephones in the different rooms. All rooms can call the annunciator and the annunciator can call rooms. To call a room insert the operator's plug in corresponding jack and press key to ringing position. When a call is made, the annunciator indicates the room calling and the operator's plug is then inserted in the corresponding jack to answer call. Rooms may be connected together by the use of cross connecting cords and plugs if desired. This system is non-interfering.

Telephones: For central, style T, telephone annunciator, page 17; for room phones, single point telephones, Nos. Duplex, 41, 30, 40, 25-A, 58, 60 and 64, pages 15, 17, 18 and 19; wall, flush or desk types.

Cable Specifications: This system requires two direct wires from each room to the annunciator and one common wire branched to all rooms and the annunciator. Four battery wires from annunciator to batteries. For new work we recommend using a three-wire cable from each room to the annunciator, one wire of each of these cables being made common at the annunciator. This cable is made of three No. 18 annunciator wires with rubber tape and weather-proof braid over all. However, this cable should only be used in dry places. For wet places or conduit work only rubber-covered wire should be used.

Batteries: For talking, two dry cells—for ringing, three or more dry cells according to distance from central to rooms. All batteries are centrally located.

NO. 30 ANNUNCIATOR TELEPHONE SYSTEM



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 32

Three-Wire Automatic Signal Switchboard

Suitable for: Hotels, Factories, Schools, Colleges, Hospitals, etc.

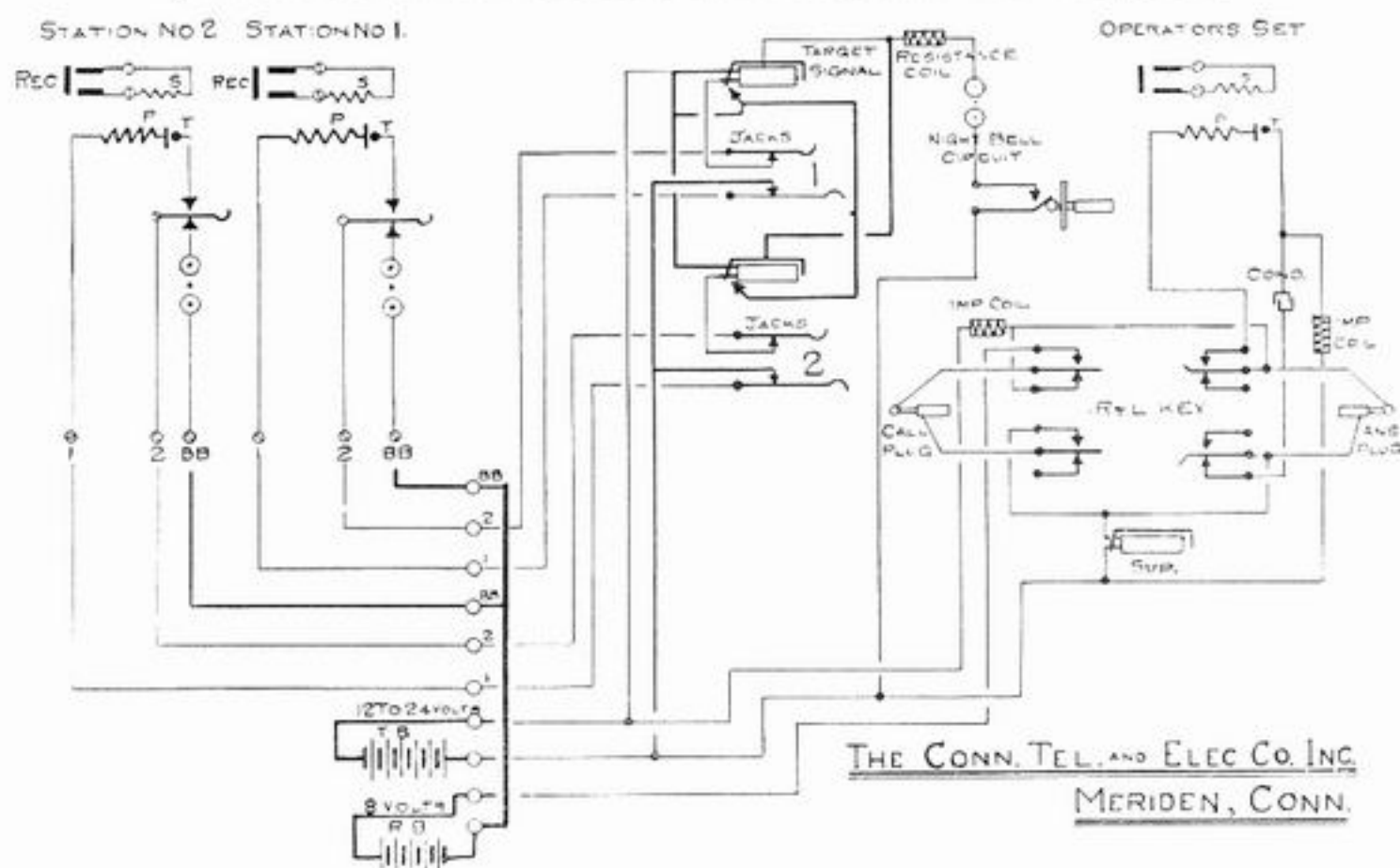
This system consists of a central switchboard of the common battery target signal type with outlying stations. To call central, remove the receiver from the hook. This will display a target signal on the switchboard corresponding to the line which is calling. The operator then inserts the answering plug of one of the cord pairs in the corresponding jack, and places the key in the listening position, which connects operator with line. If another line is wanted, the operator inserts the calling plug of the same pair in the jack of the desired line, places the key in ringing position which rings the telephone required. The key then restores to the normal position. A supervisory signal is so connected to each cord pair that it indicates to the operator when both parties have finished. Switchboards can be equipped with double supervisory signals for each cord pair, so as to show the condition of each line separately when two are connected.

Telephones: For central, switchboards equipped with target signals, either single or double supervisory, Types A, C, E and F, pages 20 and 21. For outlying stations, single point telephones, Nos. Duplex, 41, 30, 40, 25-A, 58, 60 and 64, pages 15, 17, 18 and 19, wall, flush or desk types.

Cable Specifications: Run three No. 19 twisted rubber-covered wires from each telephone to switchboard and two pair No. 14 rubber-covered wires from switchboard to batteries.

Batteries: In places where storage cells can be used we recommend a 12 to 24-volt battery for the talking and 6 volts for the ringing. Otherwise use Gordon No. 2 primary cells for talking and 6 dry cells for ringing. Batteries centrally located.

NO 32 SWITCHBOARD SYSTEM-AUTOMATIC SIGNAL-



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 33

Two-Wire Automatic Signal Switchboard

Suitable for: Hotels, Factories, Schools, Colleges, Hospitals, etc.

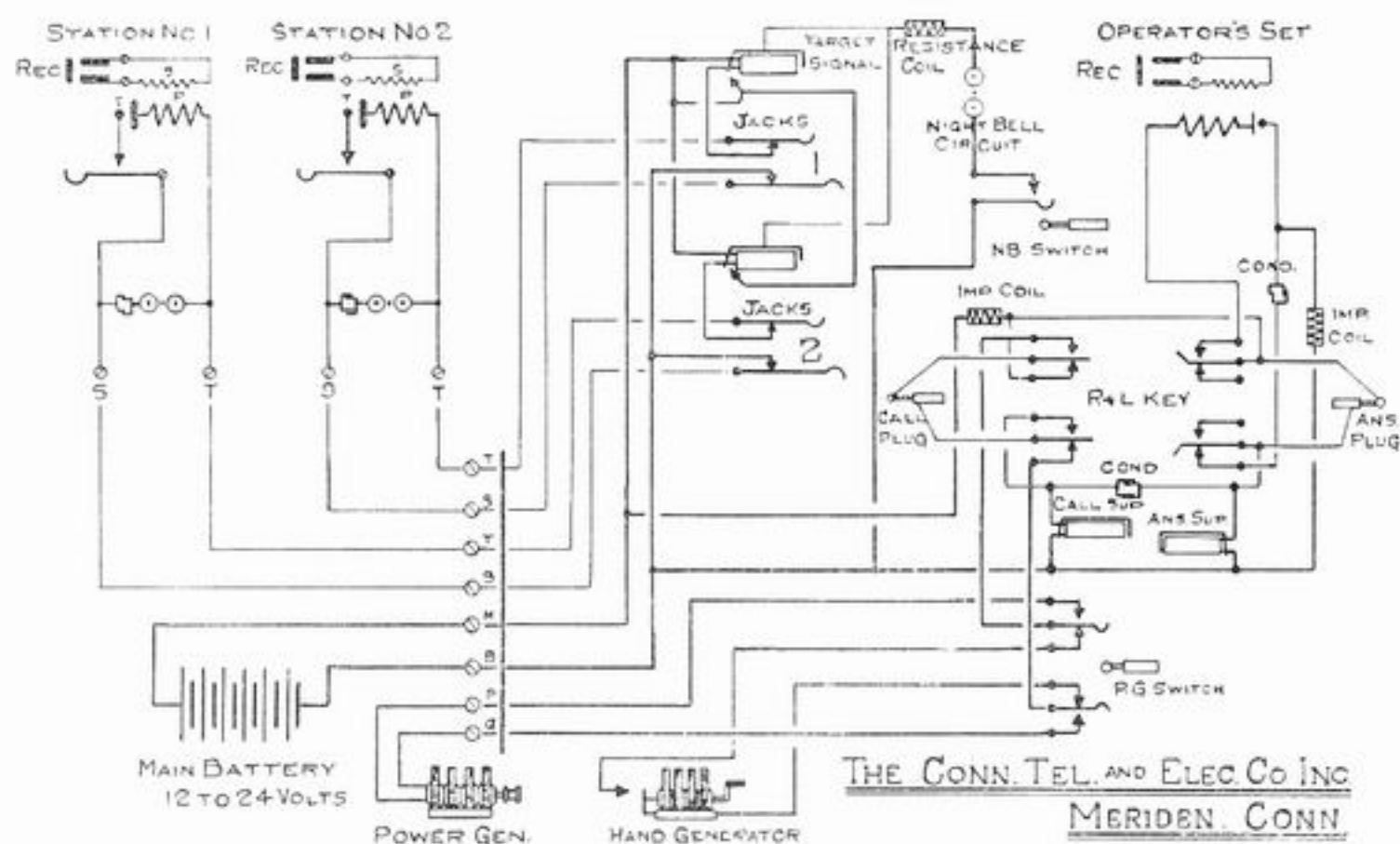
This system consists of a central switchboard with outlying stations of the automatic signal common battery type. To call central, remove the receiver from the hook. This will display the signal on the switchboard corresponding to the line which is calling. The operator then inserts the answering plug of one of the cord pairs in the corresponding jack and places the key in the listening position which connects operator with line. If another line is wanted the operator inserts the calling plug of the same pair in the jack of the desired line, places the key in ringing position, turns hand generator unless power generator is used, which rings the telephone wanted. The key then restores to normal position. A supervisory signal is so connected to each cord pair that it indicates to the operator when both parties have finished. Switchboards can be equipped with double supervisory signals for each cord pair, these operate independently of each other so as to show the condition of each line when two are connected.

Telephones: For central, Connecticut switchboards, Styles C, A, E and F, pages 20 and 21. For outlying stations, Connecticut single point telephones, Nos. 41, or 25-A, pages 18 and 19.

Cable Specifications: Run one pair No. 19 twisted rubber-covered wires from each telephone to switchboard and one pair No. 14 rubber-covered wires from switchboard to batteries.

Batteries. We recommend the use of a 12 to 24-volt storage battery but in places where these cannot be used on account of charging, Gordon No. 2, primary cells may be used.

TWO WIRE COMMON BATTERY SWITCHBOARD SYSTEM



SYSTEM NO. 37

Bridging and Series Magneto Switchboard

Suitable for: Small Public Exchanges, Farmers' Lines, Large Factories, Colleges, etc.

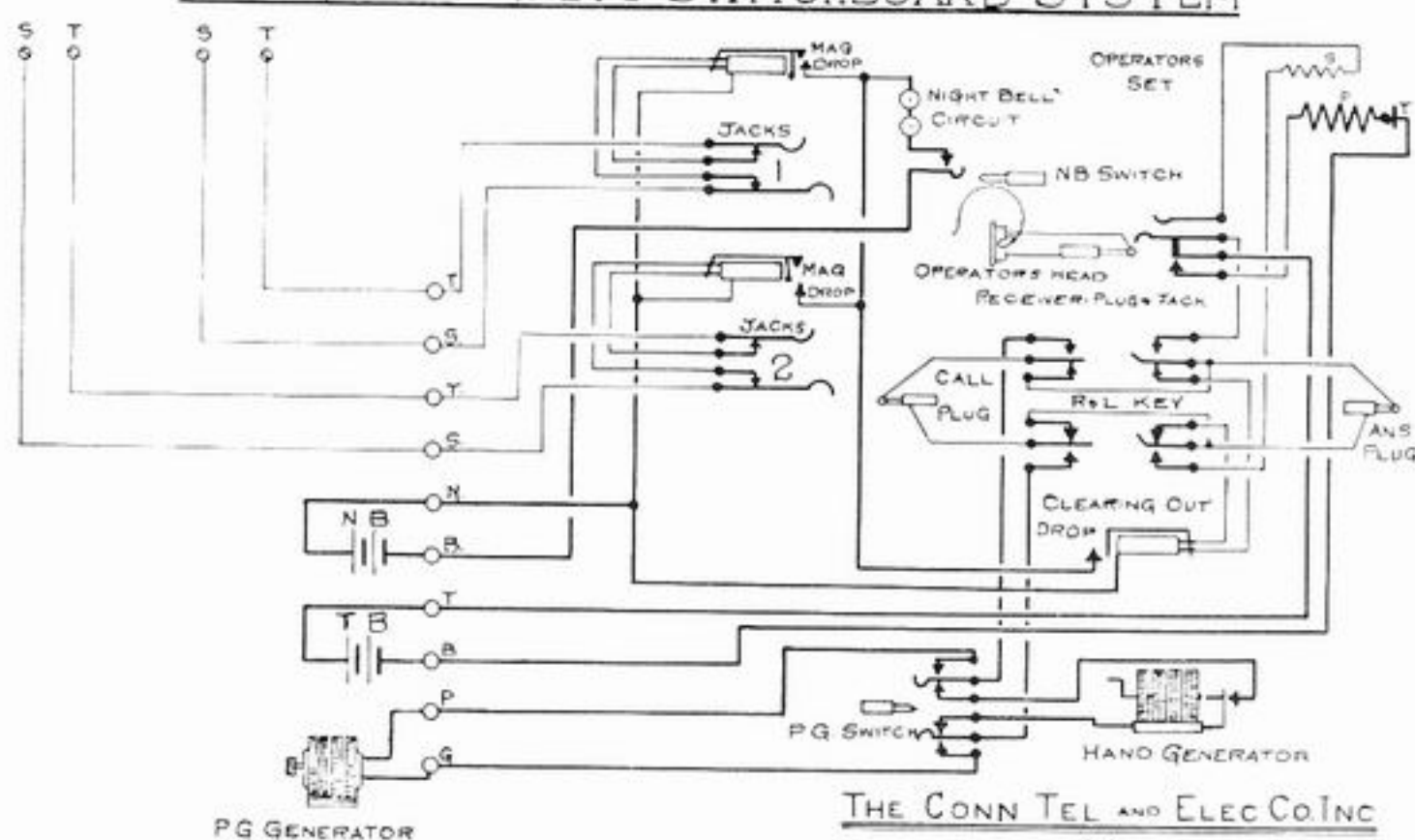
This is the well known magneto switchboard system and is made for either bridging or series line. The wiring and operation of switchboard is the same except that the drops for series lines are of a low resistance. Ringing any telephone operates a self-restoring drop on switchboard indicating the line calling. The operator then inserts the answering plug of one of the cord pairs in the corresponding jack, which restores the line drop, he then places the key in the listening position, which connects operator with line. If another line is wanted, the operator inserts the calling plug in the jack of the desired line, places the key in ringing position, turns the hand generator (if a power generator is not used) which rings the telephone required. The key then restores to normal position. A clearing out drop is so connected to each cord pair that it shows when stations ring off. Our magneto switchboards are equipped with 5-bar hand generators for ringing, but wired so that a power generator or pole changer may be used.

Telephones: Use magneto telephones, Nos. 14, 9 and 5-A, pages 22 and 23, either bridging or series, wall or desk types.

Wiring Specifications: Use two wires for each line or one wire and ground. Use No. 19 twisted pair rubber-covered for all inside work.

Batteries: For talking, two dry cells; for night bell, two dry cells.

BRIDGING MAGNETO SWITCHBOARD SYSTEM



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

SYSTEM NO. 40

Private Line with Induction Coils

Suitable for: Any place where telephone connection is desired between two points not far distant.

These diagrams show various methods of connecting private line battery call telephones.

No. 1 and 2 will give perfect satisfaction but, while Nos. 3 and 4 are sometimes used they are not recommended. More than two battery call telephones on one pair of wires will not give very good service on account of the fact that while two are talking the third low resistance bell across the line shunts the talking current. When conditions demand the use of either Nos. 3 or 4 diagrams, telephones should be ordered with bells of 20 ohms or more resistance, (see page 4).

Telephones: For private lines, single point telephones, Nos. Duplex, 41, 30, 40, 25-A, 58, 60 and 64, pages 15, 17, 18 and 19.

Wiring Specifications: Use damp-proof office wire for dry places, and only rubber-covered for outside or wet places. The size of wire should be as follows: No. 18 copper for distances up to 400 ft., No. 16 copper up to 600 ft., No. 14 copper up to 1,000 ft. between telephones. For over 1,000 ft. only magneto telephones Nos. 14, 9 or 5-A, pages 20 and 21, should be used.

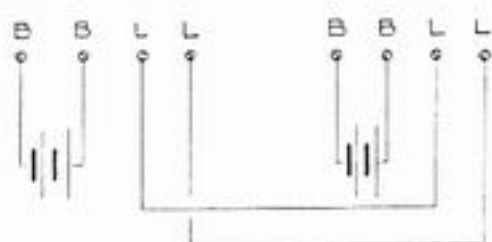
Batteries: Two dry cells at each telephone.

Note.— Not over 3 phones should be used on diagrams 3 and 4.

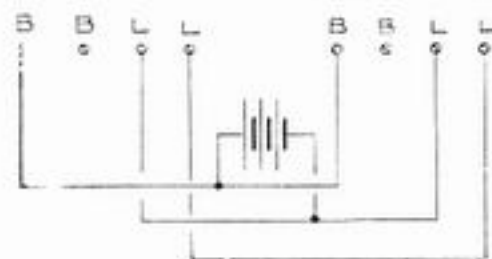
PRIVATE LINE WIRING

WITH INDUCTION COIL

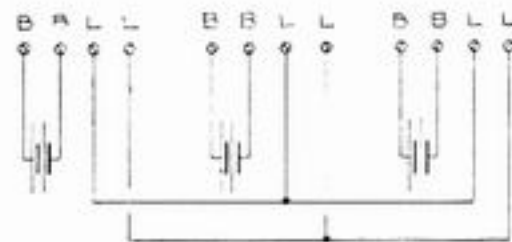
LINE WIRING NO 1



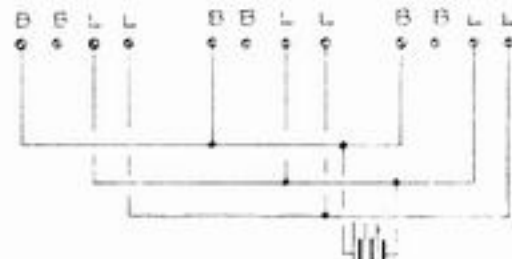
LINE WIRING NO 2



LINE WIRING NO 3

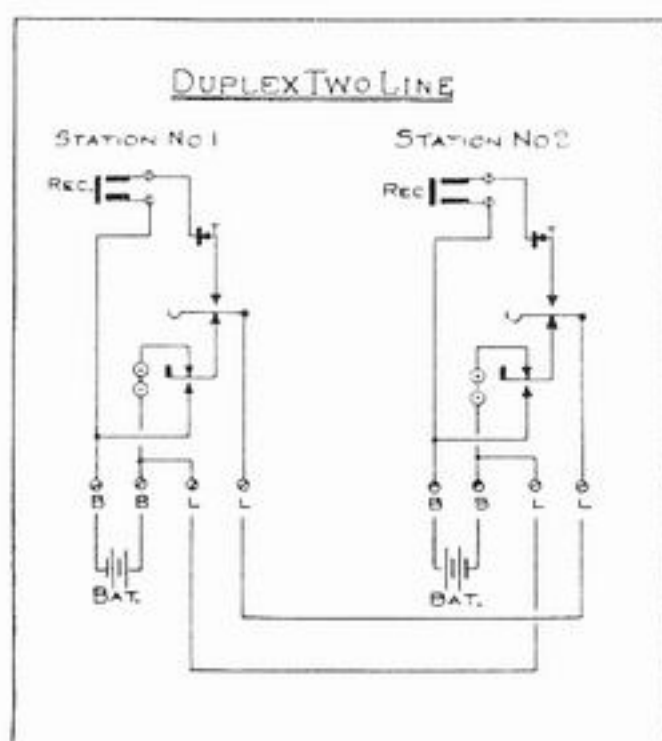


LINE WIRING NO 4



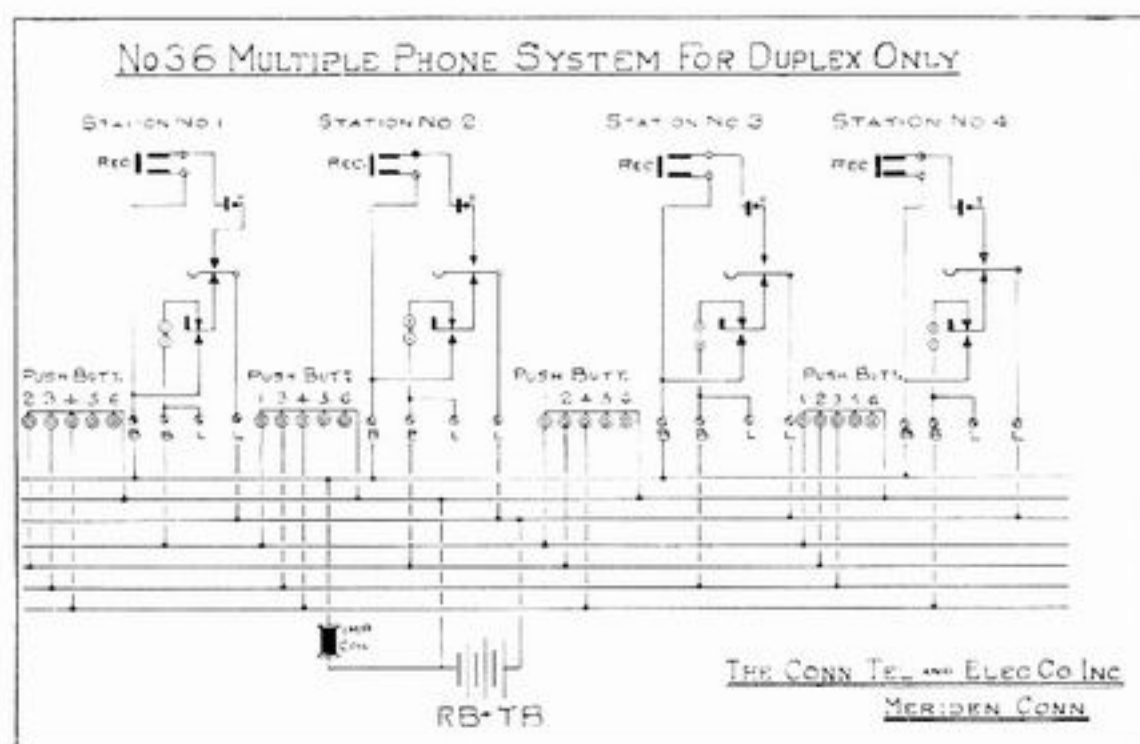
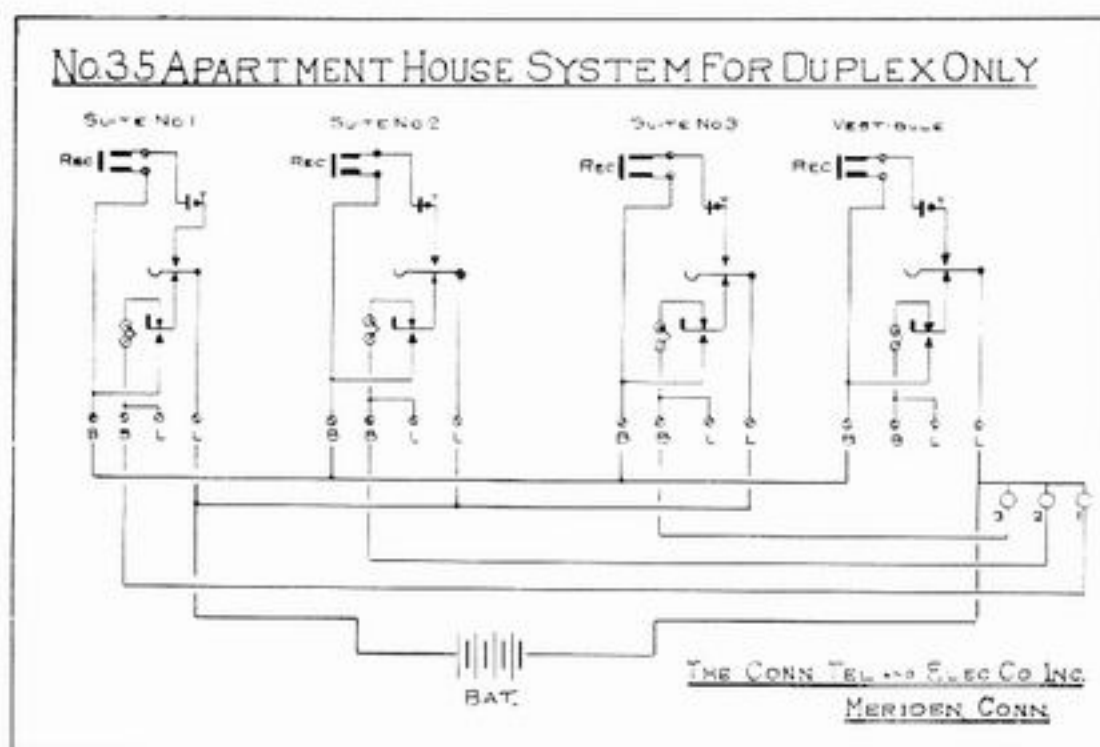
THE CONN TEL & ELEC CO INC
MERIDEN, CONN

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

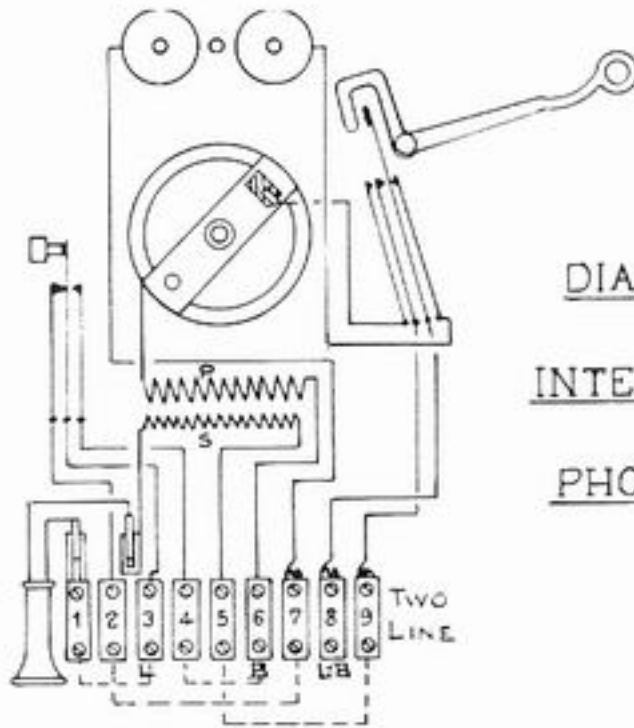


DUPLEX TELEPHONES Without Induction Coil

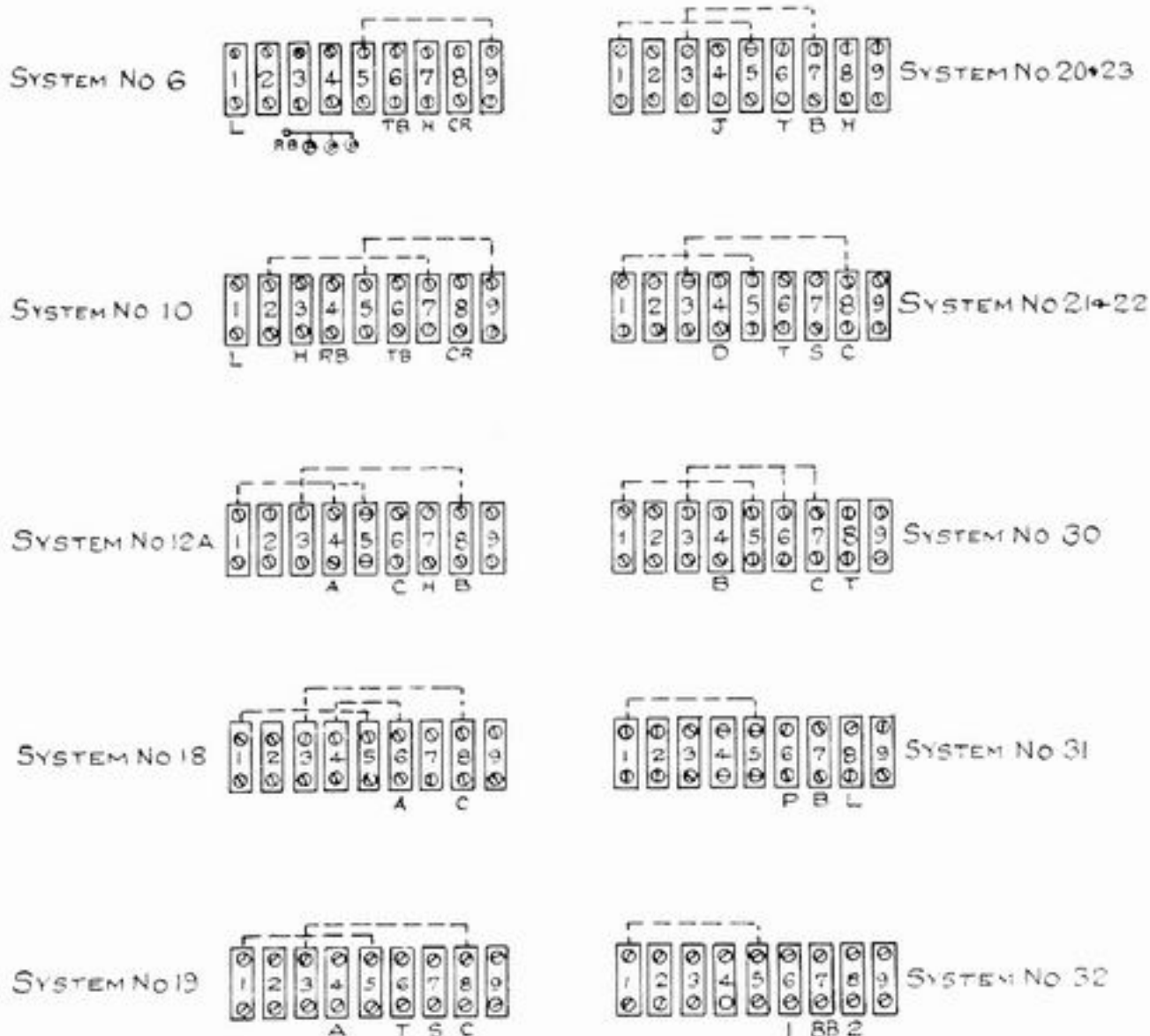
The first diagram shows our standard two-line wiring for Duplex telephones. As many of our customers keep these Duplex telephones in stock we show below an apartment house and multiple system using stock Duplex phones without change in the interior wiring of the instruments.



THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

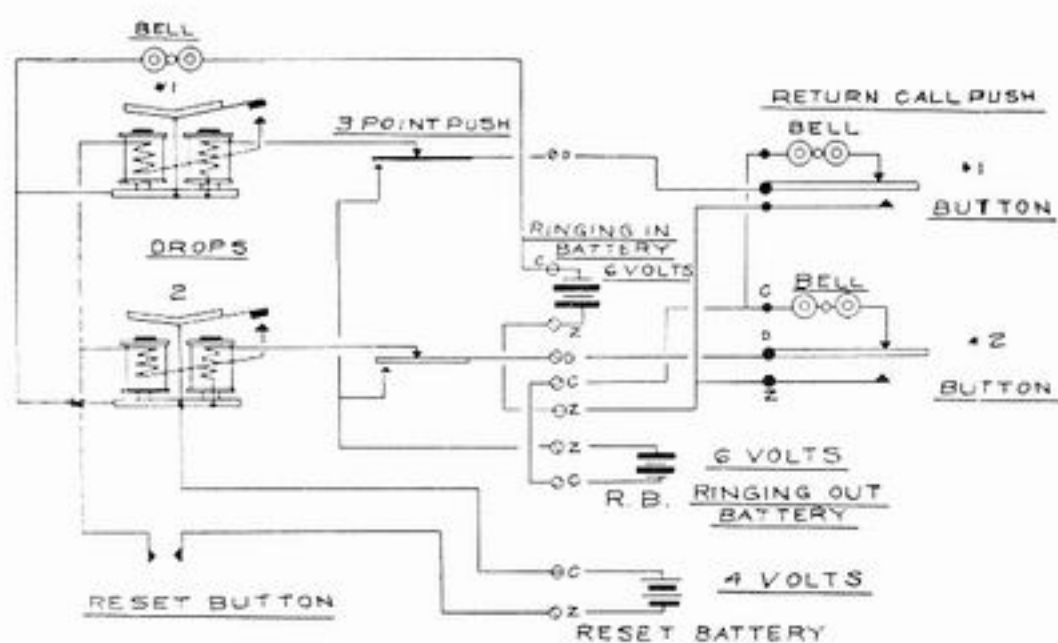


DIAGRAMS FOR
INTERCHANGEABLE
PHONE SYSTEM

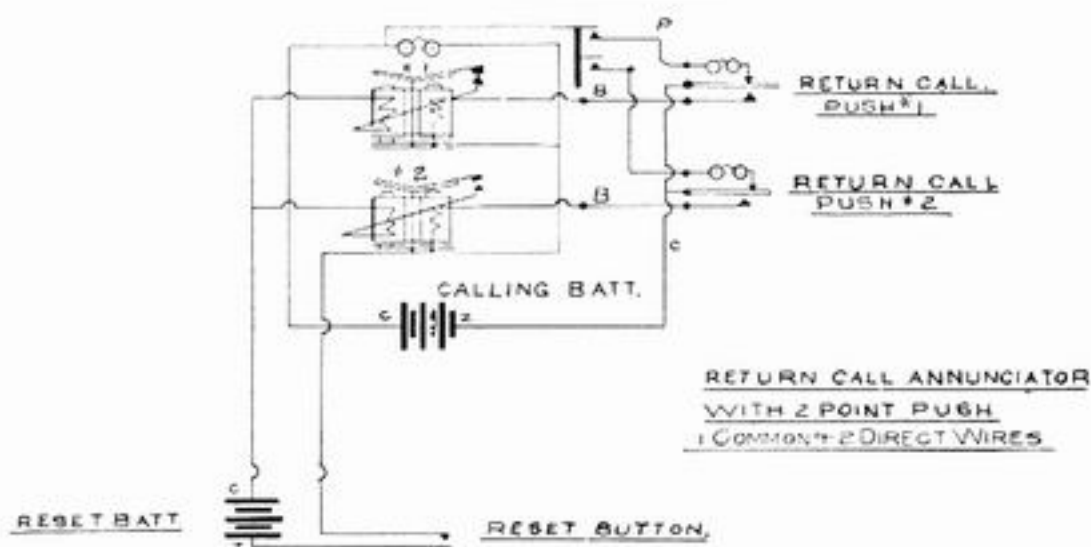


THE CONN. TEL. AND ELEC. CO. INC.
MERIDEN, CONN.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

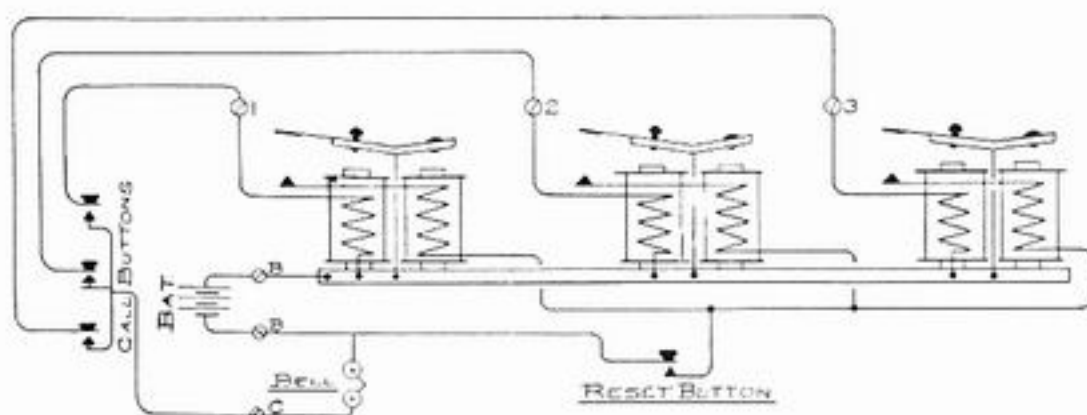


RETURN CALL TYPE R ANNUNCIATOR 2 COMMON WIRES.
THE CONN TEL. & ELECT. CO. INC.
MERIDEN, CONN.



RETURN CALL ANNUNCIATOR
WITH 2 POINT PUSH
1 COMMON + 2 DIRECT WIRES

THE CONNECTICUT TELEPHONE & ELECTRIC CO. INC.
MERIDEN, CONN.



WIRING DIAGRAM OF 3 DROP ELECTRIC
RESET ANNUNCIATOR WITH ONE RESET BUTTON
THE CONN TEL. & ELEC. CO.
MERIDEN, CONN.

THE CONNECTICUT TELEPHONE AND ELECTRIC CO.

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INDEX OF SYSTEMS

We group herewith for quick reference, a number of our standard systems. If there is any further information required as regards proper selection of any system, it will be cheerfully given. With inquiry furnish if possible a sketch showing the proposed locations of the instruments, and approximate distances between them, also just what service is required, and we will be pleased to recommend what system will best cover your requirements.

Single Point or Two Line Instruments: Designed for service between two points not far distant, see diagrams No. 40 and Duplex, pages 56 and 57. For lines over 1,000 feet, see magneto phones, pages 22 and 23.

Multiple Systems: Designed for small systems where more than two phones are required on a line. All bells ring simultaneously when calling. This system has a common talking circuit, see systems 10 and 40, pages 40 and 56.

Intercommunicating Systems: On pages 36, 37, 38, and 39 we describe several styles of intercommunicating systems for residences, offices, hospitals, factories, schools, stores, etc. They are designed for common return, metallic or common talking circuit. In calling, only the bell of the party wanted will ring.

Apartment House Systems: On pages 44, 45, 46, 47, 48, 49 and 50 we describe a number of well balanced systems for apartment house service. There are two classes of service, the common talking circuit and the non-interfering. In both styles provision has been made for entrance, suite, janitor and tradesman's phones. Systems have also been arranged for service between the vestibule and suites only. Non-interfering service should always be recommended.

Centerphone of School Systems: We describe on pages 41 and 42 two styles of systems for centerphone service. The central station can call the outlying station, and vice versa. While this system is used principally for schools it is also used for factories, stores, offices, etc., where it is desired to talk to and from a central point.

Hotel Annunciator Systems: On pages 51, 52 and 43 we describe several annunciator systems designed for a low priced switchboard equipment. System No. 31 is arranged with push buttons on phones for calling annunciator. System No. 32 is designed for automatic signal, removing the receiver on room phones throws the drop at annunciator automatically. This system is fitted with supervisory signals in connection with the cord pairs. System No. 18 is arranged and designed for a simple residence telephone system using annunciator and wiring already installed.

Switchboard Systems: Magneto and Common Battery: On pages 53, 54 and 55 we describe complete switchboard equipment for hotels, factories, schools, colleges, hospitals, etc. Systems Nos. 32 and 33 are operated by centrally located batteries; removing receiver from any phone displays a target signal at switchboard. System No. 32 is designed for interior service or for connecting buildings not far distant. System No. 33 will operate on a longer line and is therefore adapted for a complete city exchange if desired, as well as for interior service. System No. 37 is the well known magneto system; telephones are fitted with a magneto for calling which throws a self-restoring drop on switchboard; this system is designed for both series and bridging work.

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