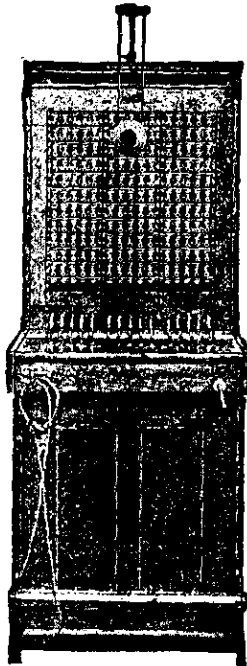
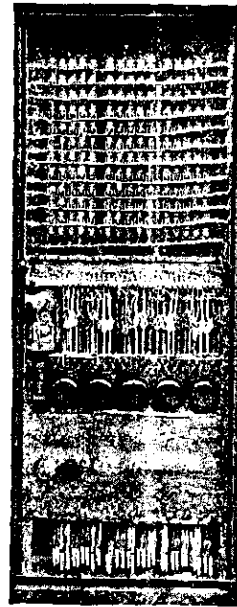


SWITCHBOARDS—MAGNETO NON-MULTIPLE

Front View



Rear View

No. 1240D Switchboard

CAPACITY 165 LINES 15 CORD CIRCUITS

This standard efficient magneto switchboard has been giving universal satisfaction in all parts of the United States and foreign countries. Designed by the largest corps of telephone engineers in the world and equipped with reliable, efficient apparatus, it has met with the approval of operating companies requiring magneto switchboards that insure a long life of service, coupled with economical operating and maintenance.

Where more than 165 lines are required several sections may be lined up with good results. This has been done in numerous cases and the desired capacity obtained without any complications. All of the apparatus used in this switchboard has been proven reliable and efficient in operation by many years of service, it being economical to maintain and exempt from repairs to an exceptional degree.

The operation of the No. 1240D Switchboard is simple and easily performed for the line jacks are so grouped as to be within easy reach of the operator, reducing that work to a minimum.

THE FRAMEWORK

The lumber used in the construction of the cabinet is red oak, thoroughly seasoned and kiln dried to prevent warping or cracking. All joints in the woodwork are tongued and grooved and securely fastened with the best quality of glue, no butt joints being used. Steel angles are installed inside of the cabinet at the corners giving additional strength to the cabinet.

The exterior of the cabinet is given a dull golden oak finish which is very serviceable. As an added precaution against warping, cracking or decay the interior surfaces are coated with shellac.

The steel framework which supports the face equipment is copper plated as a protection against corrosion or rust, also insuring a positive ground connection for the apparatus. This framework is fastened to the cabinet in a secure manner which insures a permanent, rigid support for the drops and jacks in the face of the board. The front panel, and the rear door are removable which permits easy access to all of the equipment.

The keyshelf is twenty-four (24) inches wide allowing ample space for the operator. The keys are mounted upon cold drawn galvanized steel bars which are supported at either end by steel reinforcing details and fastened to these bars with machine screws. Thus a perfect, rigid alignment is obtained for the keyboard equipment as the machine screws do not loosen by the operation of the keys.

SWITCHBOARDS—MAGNETIC NON-MULTIPLE**No. 1240D Switchboard—Continued**

The cordshelf, upon which the cord terminals are mounted, is located where inspection or repairs can be made conveniently. All terminals are plainly marked.

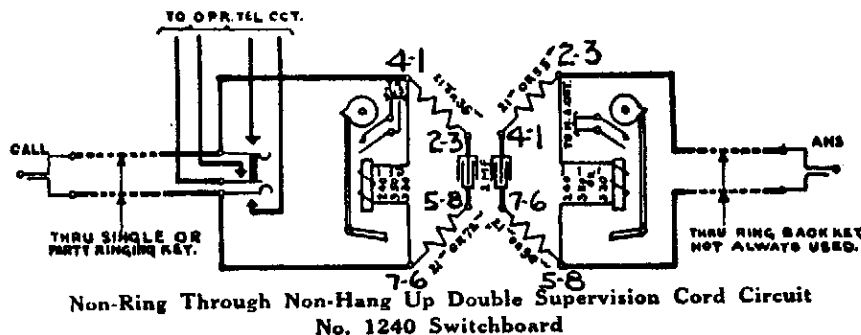
An apparatus and terminal board is mounted in the rear of the switchboard on which are mounted the repeating coils, night alarm bell, and large screw terminals where all power wiring such as power ringing, transmitter battery, night alarm battery, monitor tops, etc., are terminated.

THE LINE CIRCUITS

The line circuits are equipped with the efficient No. 22C Combined Jack and Signal mounted five per strip consisting of the well known shutter type drop and cut-off jack which have been standard equipment on Western Electric magneto switchboards for many years. The drops are self restoring upon insertion of the plug in the jack, positive in action and will not stick. Removable number plates with large characters are mounted on the shutters of the drops. The night alarm springs are insulated from the jack springs and the design insures reliable operation of the night alarm circuit.



Line Circuit No. 1240-D Switchboard

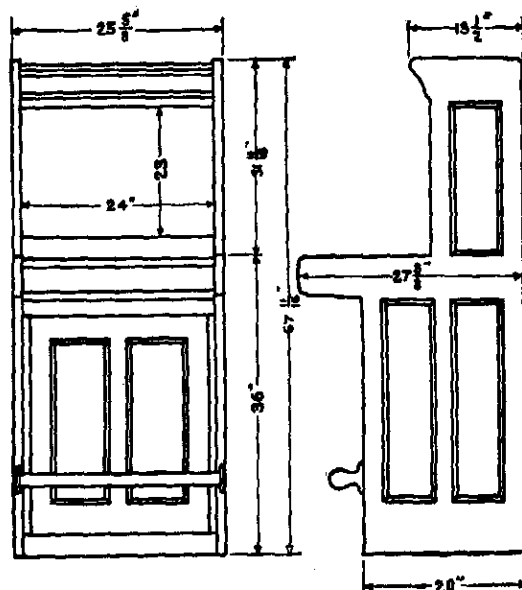
Non-Ring Through Non-Hang Up Double Supervision Cord Circuit
No. 1240 Switchboard**THE CORD CIRCUITS**

The local cable in this switchboard is so arranged that any of the various standard type of cord circuits may be equipped as follows:

- Single supervision, without repeating coil.
- Single supervision, with repeating coil and cutout key (cords No. 1 to 5).
- Double supervision, "non-ring through," "non-hang-up" with repeating coil.
- Double supervision, practically "non-ring through," "non-hang-up" without repeating coil.

The supervisory (ring off) signals are of the manually restored shutter type drops equipped with number plates having large characters easily distinguishable by the operator. The cords are installed in accordance with the standard distinctive color scheme, each pair alternating red, white and green in the order named. This is a great help to the operator in locating cord pairs to take down connections corresponding to the "ring off" drop which has been operated, also reducing the possibility of error to a minimum.

The keys are of the type and design that have been giving service for years in the largest switchboards. They are so arranged that the springs are easily accessible for inspection when the keyshelf is open. These springs are constructed of metal having the proper resiliency which will insure good contact both in the normal and operated positions. They are positive in action and designed for long life service.

SWITCHBOARDS—MAGNETO NON-MULTIPLE

Dimensions No. 1240-D Switchboard

No. 1240D Switchboard—Continued**OTHER CIRCUITS**

The ringing circuit is equipped with a powerful five bar hand generator. The local wiring is universal in that any of the following ringing combinations may be equipped as required:

Single party, two way	Four party, two way, pulsating master key
Two party, one way selective, individual key	Four party, one way, harmonic, individual key
Two party, two way, master key	Four party, two way, harmonic, master key
Four party, one way, pulsating, individual key	Eight party, two way, harmonic, master key.

The operator's telephone circuit is furnished with the standard receiver and transmitter known the world over for their high transmission efficiency. Ordinarily the suspended type transmitter is used although the chest type instrument can be used if desired as the wiring is in place for either type.

The night alarm circuit is equipped with a reliable loud ringing vibrating bell operated with dry batteries and a night alarm key for cutting the bell off or on as required. This key, together with the operator's telephone jacks and ringing generator crank are located conveniently in the front of the keyshelf rail.

All of the following features are provided for and may be included without difficulty either before or after the switchboard is placed in service:

Audible code ringing on subscribers	Buzzer equipment in positional ringing circuit (single or two-party)
Through toll lines	Telephone switching key for connecting two positions together
Monitoring or transmitter cut-out	Plug ended switching trunks from toll switchboard
Call wire circuits	
Duplicate set of operator telephone jacks for student operator	
Jack ended interposition trunks with lamp signal	

Battery current for the operator's telephone circuit is supplied from three dry cells or five Edison primary batteries and for the night alarm circuit from five dry cells or eight Edison primary batteries.

CABLE

The standard method of running the line cables is through the top of the switchboard which is the best method since the cables are kept off of the floor away from moisture or mechanical injury. However, if local conditions are such that it is advisable to bring the line cables in at the bottom of the section they will be furnished accordingly.