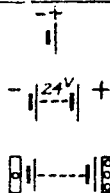
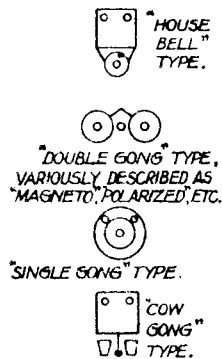
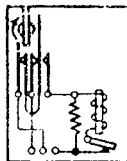
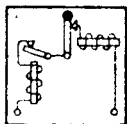


BATTERIES.BELLS.BUZZERSBOXES, COIN COLLECTING

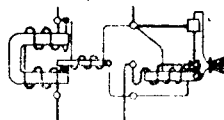
A TYPE COIN COLLECTING BOX NO.1.

CIRCUIT BREAKERS.

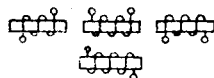
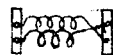
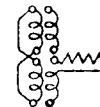
"NO VOLT & OVERLOAD."



"OVERLOAD" (KNIFE SWITCH TYPE)

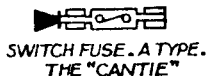


IN CONNECTION WITH POLARIZED RELAY AS SHOWN FOR "REVERSED CURRENT" ETC. USED IN POWER CIRCUITS

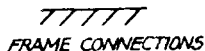
CLIPS, TEST.COILS.BRIDGING OR DIFFERENTIALINDUCTION, PRIMARY & SECONDARYINDUCTION, PRIMARY & SECONDARY WIRING DIAGRAM CONVENTIONRESISTANCE, NON-INDUCTIVERESISTANCE, INDUCTIVERESISTANCE, VARIABLECOILS. (CONTINUED)RETARDATION, SINGLE WINDING, STRAIGHT CORE.RETARDATION, DOUBLE WINDING, STRAIGHT CORE.RETARDATION, DOUBLE WINDING, CLOSED CORE.INDUCTION, PRIMARY, SECONDARY & TERTIARY.INDUCTION, OPERATORS, N.T.REPEATING JUNCTION SUBSCRIBERSCONDENSERSCONNECTORS AND TERMINALS

THIS CONVENTION IS IN ALL SCHEMATIC TO REPRESENT ANY TERMINAL. IN MORE DETAILED DIAGRAMS SHOULD BE USED, GEN ONLY FOR SIMPLE SOL TERMINALS.

SCREW CONNECTDOUBLE ENDED CONN TWO SOLDERED TERM.DITTO, 1 SOLDERED 1 SCREW TERMINALCORD CONNECTORHINGE CONNECT

FUSES.
(SEE ALSO PROTECTORS)EARTHS & FRAME CONNECTIONS

EARTHS



FRAME CONNECTIONS

GENERATORS & MOTORS.

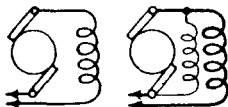
GENERATOR OR MOTOR

CONVENTIONS FOR USE IN CIRCUIT DIAGRAMS.GENERATORS & MOTORS.(CONTINUED)

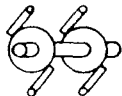
FOR CONTINUOUS CURRENT MACHINES:-

INSERT "G" IN CIRCLE FOR GENERATOR.
"M" - CIRCLE FOR MOTOR.

FOR ALTERNATING CURRENT MACHINES:-

INSERT "G" IN CIRCLE FOR GENERATOR.
"M" - CIRCLE FOR MOTOR

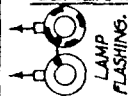
ARMATURE AND FIELD WINDING ARE SHOWN SEPARATELY AS ABOVE.



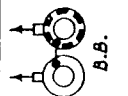
MOTOR GENERATOR



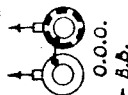
TYPES OF MAGNETO GENERATORS

GENERATORS & MOTORS (CONTINUED)

LAMP FLASHING.



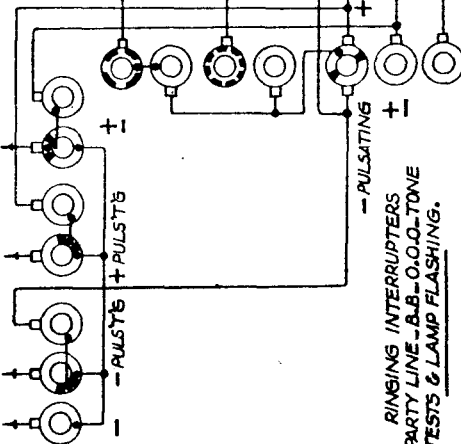
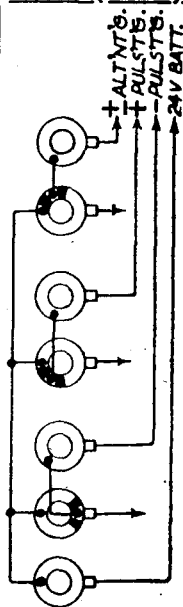
B.B.



O.O.O.

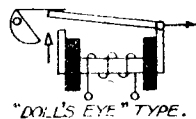
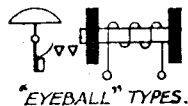
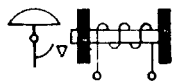
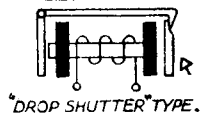
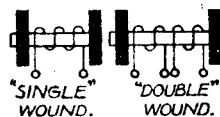
100 INTS PER SEC.

O.O.O. 400 INTS PER SEC.

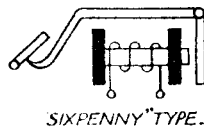
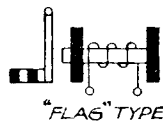
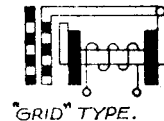
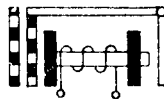
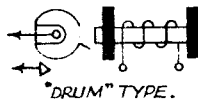
RINGING INTERRUPTERS
PARTY LINE - B.B. - O.O.O. - TONE
TESTS & LAMP FLASHING.GENERATORS & MOTORS (CONT'D)

RD. 3 C&R L'no 2/205000

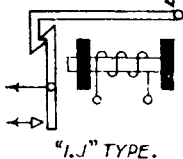
INDICATORS. TYPES OF WINDINGS.



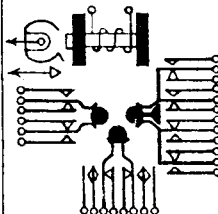
INDICATORS (CONT'D)



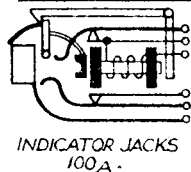
INDICATOR (CONT'D)



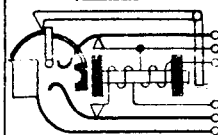
INDICATORS & KEYS.



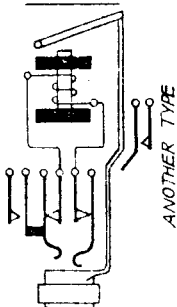
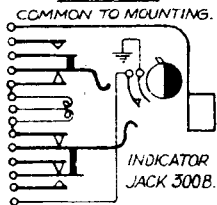
INDICATOR JACKS.



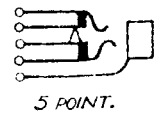
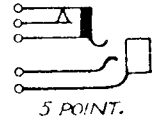
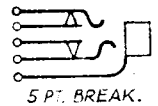
INDICATOR JACKS. (CONT'D)



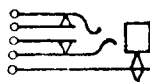
COMMON TO MOUNTING.



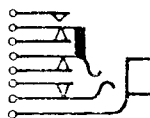
JACKS.



JACKS (CONTINUED)



7 PT. BREAK.



8 PT. BREAK.



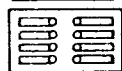
CORDLESS BOARD



TEST CABINET

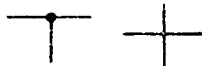


OPERATORS-SINGLE



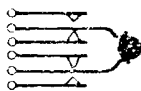
DOUBLE.

JUNCTIONS.

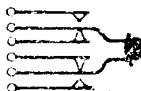


TEES. CROSSES.

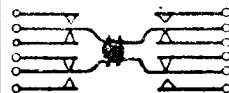
KEYS, SWITCHES & PRESS BUTTONS.



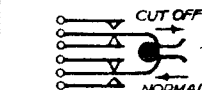
RINGING KEY



SPEAKING KEY.



COMBINED RINGING & SPEAKING KEY.



6 POINT TWO POSITION SWITCH.

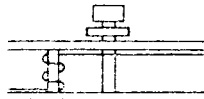
KEYS, SWITCHES & PRESS BUTTONS (CONT'D)



PARTY LINE RINGING KEY, TYPE 407.



REGISTER KEY.

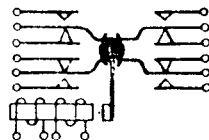


PARTY LINE MACHINE RINGING KEY

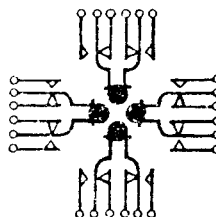


CUT OFF CONTROL KEY

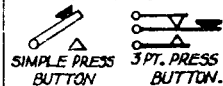
KEYS, SWITCHES & PRESS BUTTONS (CONT'D)



COMBINED RINGING & SPEAKING KEY WITH AUTO-RINGING CONTROL.



SWITCHING KEY FOR 4 PARTY RINGING, ETC.



SIMPLE PRESS BUTTON 3 PT. PRESS BUTTON.

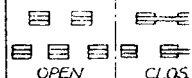


1 & 2 WAY SWITCHES. SIMPLE CONVENTION.

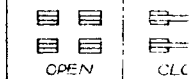
KEYS, SWITCHES & PRESS BUTTONS (C)



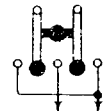
TUMBLER SWITCH.



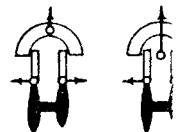
1 & 2 WAY KNIFE SWITCH



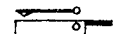
1 WAY 2 POLE KNIFE SWITCH



POLE CHANGER



3 & 4 POINT RHY JONES KEY.



FOOT SWITCH

KEYS, SWITCHES &
PRESS BUTTONS (CONT'D)



BELL

ELECTRIC
LIGHT
OR BUZZER



SEAT SWITCH FOR
SILENCE CABINET.



6 TERMINAL
2 POSITION SWITCH.

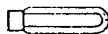
LAMPS.



SUPERVISORY



SUPERVISORS, PILOT, ETC

60^Ω RESISTANCE

RINGING RESISTANCE

PLUGS



C.B. STANDARD.



2 POINT



3 POINT

MAGNETO



LINKED.



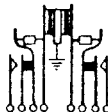
TAPPING

NEW
PATTERNOLD
PATTERN
OPERATORS

PROTECTORS.



MAIN FRAME TYPE
WITH HEAT COILS.



TEST CABINET TYPE.



MICA DISC



SAW TOOTH

RECEIVERS & HOOKS.



ORDINARY

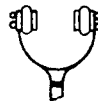


WATCH

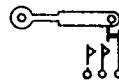
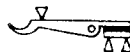
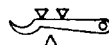
RECEIVERS & HOOKS.
(CONT'D)



HEADGEAR.



ELECTROPHONE.

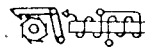


TYPES OF RECEIVER HOOKS

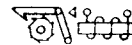
RECTIFIERS



METERS. (REGISTERS)



SUBSCRIBERS'

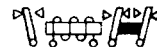


OPERATORS'

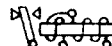
RELAYS



"SINGLE TONGUE"



TONGUES MAY BE MULTIPLIED
AS SHOWN AT EITHER ENDS
OF THE CORE.

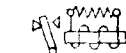
12,000^Ω & 27^Ω

CONVENTIONS FOR USE IN CIRCUIT DIAGRAMS.

16-2-20

D.206.

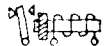
RELAYS



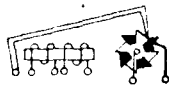
SUPERVISORY



SLOW ACTING.



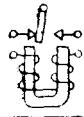
TRIPPING



ELECTROPHONE



POLARIZED



HEADGEAR



VIBRATING.

POLARIZED-OTHER TYPES.

RELAYS (CONT'D)



7B



1C



6A

TYPICAL WIRING DIAGRAM CONVENTIONS.

COMBINED RELAY AND LAMP SIGNAL



SOUNDERS



HEADGEAR

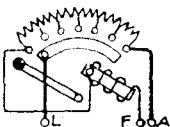


VIBRATING.

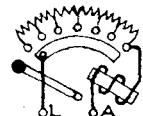
STARTERS (MOTOR)



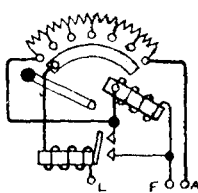
FOR SKELETON DIAGRAMS



WITH NO-VOLTAGE RELEASE FOR SHUNT MOTORS.



WITH MINIMUM RELEASE FOR SERIES MOTORS



WITH NO-VOLTAGE & OVERLOAD RELEASE FOR SHUNT MOTORS.

SWITCHES

N.T. N°5.

POSITION 1



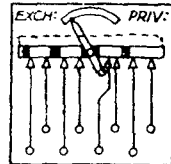
POSITION 2



POSITION 3



N.T. N°6.



N.T. N°14.

POSITION 1



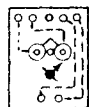
SWITCHES (CONT'D)

N.T. N°14 (CONT'D)

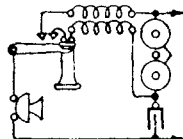
POSITION 2



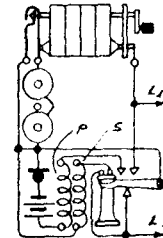
POSITION 3



TELEPHONES



C.B. SET (W.E. CO)



MAGNETO SET (A TYPE)

CONVENTIONS FOR USE IN CIRCUIT DIAGRAMS.

TELEPHONES (CONT'D) TESTING APPARATUS.STANDARD H.M.T.H.M.T. PORTABLE TELEPHONE
No. 36.TESTING APPARATUS.AMMETER, THIRD TERMINAL
FOR TWO SCALES.VOLTMETER, THIRD TERMINAL
FOR TWO SCALES.WATTMETER.
AS OHMMETER SUBSTITUTE
"O" FOR "W"RECORDING AMMETER,
VOLTMETER, ETC.PORTABLE (WESTERN TYPE) METER
AMMETER, VOLTMETER OR
COMBINEDLINEMEN'S DETECTORS.SHUNT FOR AMMETER, ETC.GALVANOMETER,
TELEPHONE EXCHANGETRANSMITTERS.SOLID BACKGRANULAR.
(OTHER THAN ABOVE)OPERATOR'S BREAST PLATEELECTROPHONE