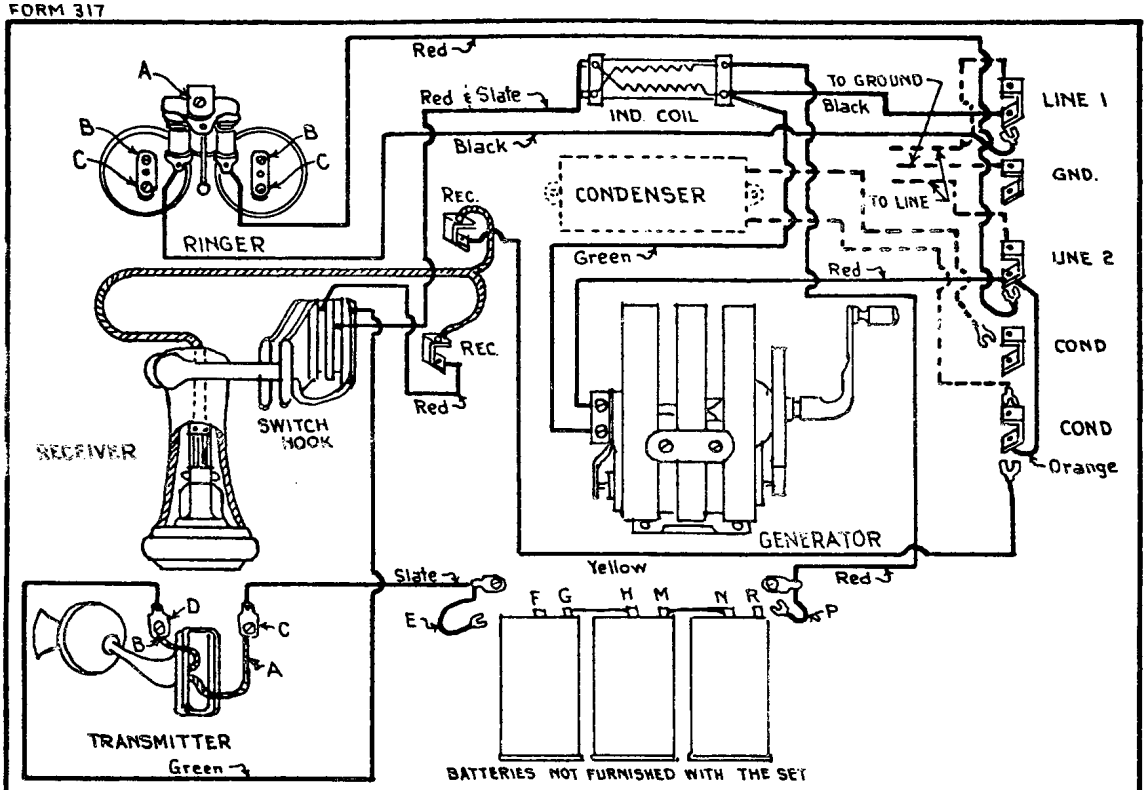
FORM 317



TOOLS. AN ORDINARY SCREWDRIVER IS THE ONLY TOOL THAT IS REQUIRED FOR ALL ADJUSTMENTS AND WIRE CONNECTIONS.

THIS SET IS SHIPPED CONNECTED FOR SERVICE ON EITHER METALLIC OR GROUNDED CIRCUITS WITH THE RED RINGER LEAD TO TERMINAL 'LINE-2' THE BLACK RINGER LEAD TO TERMINAL 'LINE-1' AND, WHEN THERE IS NO CONDENSER, THE YELLOW RECEIVER LEAD TO LOWER 'COND.' TERMINAL.

WHEN USED ON METALLIC LINE CIRCUITS CONNECT ONE LINE WIRE TO TERMINAL 'LINE-1' AND THE OTHER LINE WIRE TO TERMINAL 'LINE-2'.

WHEN USED ON GROUNDED CIRCUITS CONNECT THE LINE WIRE TO TERMINAL 'LINE-1' AND THE GROUND WIRE TO TERMINAL 'LINE-2'.

WHEN USED FOR DIVIDED RINGING, THAT IS RINGING FROM EITHER SIDE OF A METALLIC LINE TO GROUND, CONNECT THE RED RINGER LEAD IN ONE GROUP OF SETS TO TERMINAL 'LINE-1' AND IN THE OTHER GROUP TO TERMINAL 'LINE-2' IN ALL SETS CONNECT THE BLACK RINGER LEAD AND THE GROUND WIRE TO TERMINAL 'GRD.' THE TIP SIDE OF THE CENTRAL OFFICE LINE TO TERMINAL 'LINE-1' AND THE RING SIDE TO TERMINAL 'LINE-2'.

TO CONNECT THE CONDENSER IN SERIES WITH THE RECEIVER, IF NOT ALREADY SO EQUIPPED, CONNECT THE YELLOW RECEIVER LEAD AND ONE CONDENSER LEAD TO THE UPPER 'COND.' TERMINAL AND CONNECT THE OTHER CONDENSER LEAD TO THE LOWER 'COND.' TERMINAL.

TO CONNECT THE CONDENSER IN SERIES WITH THE RINGER (WHEN SET IS USED IN CONNECTION WITH COMMON BATTERY LINES) CONNECT THE RED RINGER LEAD AND ONE CONDENSER LEAD TO THE UPPER 'COND' TERMINAL, THE BLACK RINGER LEAD TO TERMINAL 'LINE-1' AND THE YELLOW RECEIVER LEAD AND THE OTHER CONDENSER LEAD TO THE LOWER 'COND.' TERMINAL.

RINGER ADJUSTMENT: THE ARMATURE SHALL BE SO ADJUSTED THAT THE CLAPPER BALL HAS A MOVEMENT OF ABOUT 1/16 INCH - TO OBTAIN THIS TURN THE SCREW 'A' TO THE RIGHT TO SHORTEN THE STROKE, OR TO THE LEFT TO LENGTHEN THE STROKE.
THE GONGS SHOULD BE SO SET THAT THE CLAPPER BALL STRIKES BUT DOES NOT REST AGAINST THEM WHEN THROWN TO EITHER SIDE. TO CHANGE THE POSITION OF THE GONGS LOOSEN THE CLAMPING SCREWS 'B', TURN THE ECCENTRIC ADJUSTING SCREWS 'C' UNTIL THE CORRECT POSITION IS OBTAINED AND THEN TIGHTEN THE CLAMPING SCREWS 'B'.

IN MOUNTING THE TRANSMITTER CONNECT THE CORD 'A' OF THE TRANSMITTER TO TERMINAL 'C' INSIDE OF THE DOOR AND CONNECT THE CORD 'B' TO TERMINAL 'D' ON THE DOOR.

IN CONNECTING BATTERIES CONNECT WIRE 'E' TO POST 'F' AND CONNECT POST 'G' TO 'H' AND 'M' TO 'N' AND CONNECT WIRE 'P' TO POST 'R'. SEE THAT THE BINDING POSTS 'G', 'M' AND 'R' DO NOT TOUCH EACH OTHER WHEN THE BATTERIES ARE IN PLACE.

REPAIR PARTS SHOULD BE ORDERED BY SAMPLE IF POSSIBLE, OTHERWISE BY ACCURATE DESCRIPTION. ALWAYS MENTION, IF POSSIBLE, THE CODE NUMBER OF THIS SET (IT IS STAMPED ON THE INSIDE OF THE DOOR NEAR THE BOTTOM EDGE.)

From a schematic donated by Art Harris