

## **COIN COLLECTORS**

### **50 AND 150 TYPES**

### **INSTALLATION**

#### **1. GENERAL**

1.01 This addendum covers the installation of 50 and 150 type coin collectors where the coin collector is equipped with a malleable cast iron backplate and is used in conjunction with a steel backboard.

1.02 50 and 150 type coin collectors equipped with malleable cast iron backplates can be used only with steel backboards and steel backboards can be used only with coin collectors equipped with malleable cast iron backplates.

1.03 The instructions given in Section C52.102 are in general satisfactory for use in installing the steel backboard. Steel backboards shall be used only on walls known to be of sturdy construction and in telephone booths where the backboard can be securely fastened to the side of the booth.

#### **2. INSTALLATION OF STEEL BACKBOARD**

2.01 Fig. 1 shows the general design of the malleable cast iron backplate and the steel backboard. The holes in the backboard designated A are for use when the backboard is fastened to studding with No. 14 wood screws. Those designated B are for use under all other mounting conditions. Bushings are furnished with the backboard for use in the A mounting holes to insulate the backboard from the mounting screws. It is necessary to use these bushings only when the mounting screws are apt to strike grounded objects such as metal lath.

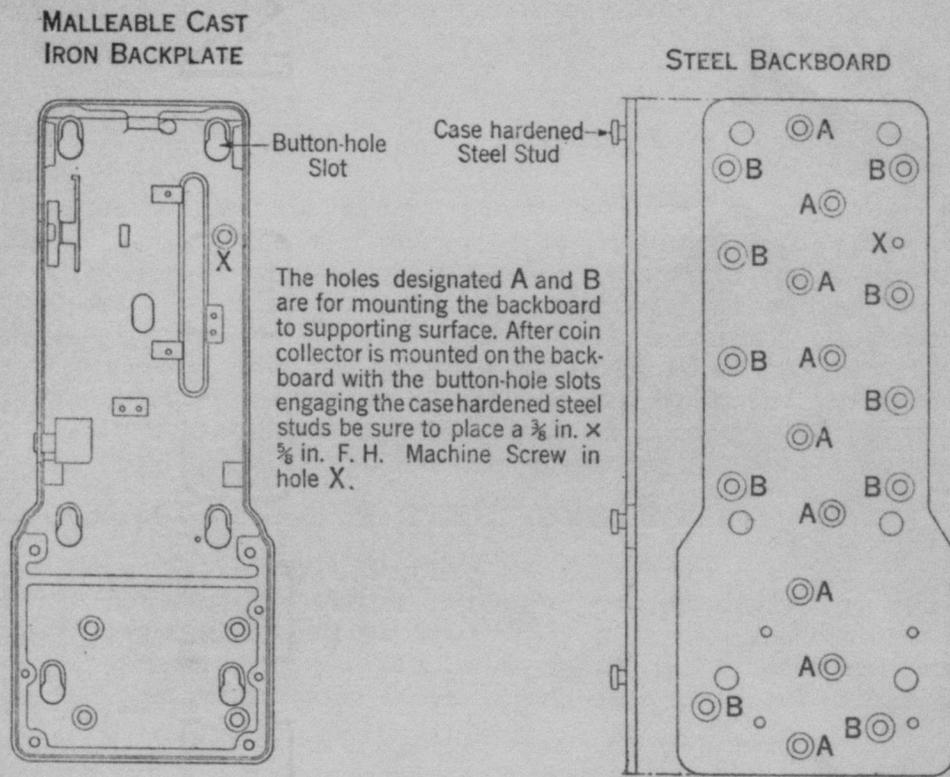


Fig. 1

2.02 The fasteners for use in the holes designated A and B are the same as for the 144-C backboard described in Section C52.102, except as regards length. The steel backboard is, however, approximately  $\frac{1}{2}$  inch thinner than 144 type backboards. The fasteners used to mount the steel backboard shall therefore be  $\frac{1}{2}$  inch shorter than those specified for 144 type backboard except for mounting on marble, in which case the anchor shall extend at least 1 inch into the bricks in back of the marble.

2.03 Provision has been made for the use of more fasteners in the case of the steel backboard than in the case of the 144-C backboard. There are nine holes designated A. When these holes are used for mounting the backboard, place fasteners in at least six of the holes using two at the top, two at the bottom and two near the center of the backboard. There must be at least three fasteners on each side of the vertical center line of the backboard. If in placing the fasteners there are any indications whatever that one or more of the fasteners is not secure, place fasteners in all nine holes. When nine fasteners are used six must be absolutely secure.

2.04 There are ten mounting holes in the backboard designated B. When holes B are used place fasteners in at least six of the holes, using two at the top, two at the bottom and two near the center of the backboard. There must be at least three fasteners on each side of the backboard. If in placing the fasteners there are any indications that a fastener is not secure, place another fastener immediately above or below that fastener. If more than one fastener seems even slightly insecure, place ten fasteners at least six of which must be absolutely secure.

2.05 Wall surfaces in general are not perfectly flat and as a result, the steel backboard will bow if fasteners such as hammer drive anchors are driven in too firmly when first placed, especially on plastered masonry walls. If the backboard is bowed, it will be difficult to attach the coin collector to the backboard. It is, therefore, advisable, in placing the fasteners, to work from the top of the backboard downward and after all fasteners are placed, tighten or drive them in firmly. If necessary, the coin collector may be tried on the backboard occasionally while tightening the fasteners to determine if and where binding between the button-hole slots in the backplate and the studs on the backboard is present. By more securely tightening the fasteners near the studs where the backplate fits loosely on the studs, binding on other studs can be relieved.

### **3. INSTALLING COIN COLLECTOR ON STEEL BACKBOARD**

3.01 The malleable cast iron backplate of the coin collector has six vertical button-hole slots as shown in Fig. 1. These slots engage the six  $3/8$  inch case-hardened studs on the backboard.

3.02 To mount the coin collector on the backboard, bring the wiring into the coin collector through the entrance hole in the backplate, direct the wiring into the vertical slot in the backplate and keep it taut by pulling on the free ends of the wires. Press the coin collector against the backboard with the six studs on the backboard entering the six holes in the backplate of the coin collector, then allow the coin collector to slide slightly downward. See that this procedure has caused the six studs on the backboard to engage properly with the slots in the backplate.

3.03 After the studs and slots have engaged properly, place a  $3/8$  inch x  $5/8$  inch F.H. steel machine screw in the hole designated X in Fig. 1. This screw should never be omitted. If the coin compartment is open, place four  $3/8$  inch x

5/8 inch F.H. steel machine screws through the four holes in the backplate into the four corresponding tapped holes in the backboard. If the coin compartment is locked these screws will be placed later by the collector. The 3/8 inch screws mentioned above are furnished with the coin collector.

#### **4. INSTALLATION OF SUBSCRIBER SET**

4.01 Where practicable the subscriber set should be mounted directly below the coin collector. Refer to the section in Division C30 covering "Installation of Subscriber Sets for Indoor Locations" if further instructions are needed in this regard.