The present invention relates to coin receiving devices, and has particular reference to coin depositing and receiving receptacles of the visible type.

It is the principal object of the invention to provide a practical and attractive coin depositing device of such simple nature that the public will readily and willingly operate it without instructions.

Another object of the invention is to provide a device of this character which is inexpensive to manufacture and install, and which is adapted to expedite service over store counters and the like.

Still another object is to provide a simple construction which is readily adapted to any desired type of coin depositing and receiving system, operating either by direct or by remote control.

With the above and other objects and advantageous features in view, the invention consists of a novel arrangement of parts more fully disclosed in the detailed description following, in conjunction with the accompanying drawings, and more specifically defined in the claims appended thereto.

In the drawings,
Fig. 1 is an elevation of an illustrative coin receiving device embodying my invention;
Fig. 2 is a side view thereof;
Fig. 3 is a top plan view thereof;
Fig. 4 is a section on the line 4—4 of Figs. 2 and 3;
Fig. 5 is a view similar to Fig. 2, parts being broken away;
Fig. 6 is an enlarged section of the upper portion thereof, the parts being in coin depositing position;
Fig. 7 is a view similar to Fig. 6, the parts being in coin depositing position;
Fig. 8 is a section on the line 8—8 of Fig. 6;
Fig. 9 is a view of the coin receiving parts in spread position;
Fig. 10 is a perspective of one side thereof;
Fig. 11 is a view, partly broken away, showing one modified form; and
Fig. 12 is a perspective detail of a modified coin receiving chute.

The present invention is particularly intended for counter and retail store use, to provide a coin receiving device wherein the customer deposits the coins, which remain visible to both the customer and the counter man or clerk until the counter man or clerk operates a release, whereupon the coins drop into a locked coin box for later removal. The device as herein described receives any size coins, is simple in construction and operation, may be operated directly or by remote control, and is not put out of operation if bent or mutilated coins are inserted.

Referring to the drawings, the coin receiver 10 has a base 11, which may be of any desired size or shape, and which houses a removable box or tray 12, a lock 13 of standard type being provided to prevent an unauthorized removal. A coin box 14 is positioned above the base, and has a slot 15 into which coins are individually inserted; the coin box being formed of two complementary members 16, 17 shaped as illustrated in Fig. 10, and preferably molded from plastic such as lucite.

The members each are recessed as indicated at 18 and are also recessed at the slot end as indicated at 19 to provide a slot, one member having a spacer boss 20 to function as a spreader for the coins inserted in the slot. Each member has a bore 21, the bores extending in alignment to receive a holding bolt 22, see Fig. 6, which is extended and has a compression spring 23 mounted thereon to permit a slight separation of the two members as shown in Fig. 9 for releasing bent or mutilated coins.

The lower portions of the members are extended laterally as indicated at 24 and are grooved as at 25 to be seated in the sides 26 of a suitable opening in the top of the base, as indicated in Fig. 6. The spacer boss 20 extends downwardly to provide a recess 27 for receiving the upper end of a glass or plastic plate 28, which extends downwardly in the recesses 18 of the members 16 and 17 and is supported on a leg 29 of a metal spring 30, which, as shown in Fig. 6, is generally bow shaped, and seats in a recess 31 in one member, preferably the member 16, see Fig. 10. The lower portions of the members are further recessed as indicated at 32 in Fig. 10, to permit swinging movement of the plate 28 against the spring 30; a bar 33 has sides 34 which are bent as illustrated at 35 in Fig. 8 to pivotally seat in circular grooves 36 in the facing sides of the lower portions of the members, and are further bent to bring the ends 37 in front of the plate 28. When the bar 33 is moved down, the swinging movement of the ends 37 will move the plate 28 back against the spring 30, to the position shown in Fig. 7, thus permitting the coins, which are retained in full view when the plate 28 is as shown in Fig. 6, to drop into the coin tray 12.

Referring now to Fig. 5, it is desirable to position a bell 38 on a strap 39 cemented or otherwise
secured to the plate 28, whereby the coins will strike the bell as they fall into the coin tray.

The above described construction is simple to manufacture and assemble, and is positive in operation. If desired, push button control may be provided, see Fig. 11, by electrically connecting a push button 49 to a solenoid 41 and a source of electric power, not shown. The solenoid has a linkage 42 secured to the under side of the bar 33, whereby actuation of the push button, which may if desired be at a remote point, pulls the bar down to release the coins to the coin tray. Alternative arrangements for moving the plate 28 by means of solenoid or magnetic action will be readily apparent to the skilled worker in the art.

Instead of the slot 15 a hopper 43 may be provided, preferably of funnel shape, to guide dropped coins to the space between the front member and the plate 28. The parts may be made of any suitable material, and may be of any size and shape and arranged in any other manner to adapt the invention to a particular use, without departing from the spirit and the scope of the invention as defined in the appended claims.

I claim:

1. A device of the character described including a transparent substantially vertically disposed front plate, a complementary closely adjacent rear plate, said plates being recessed to provide a coin chamber therebetween having an upper coin receiving slot, an intermediate plate pivotally mounted at its upper end in the rear plate and spring urged at its lower end to swing into contact with the front plate, whereby coins inserted in the slot drop and are retained between the intermediate plate and the front plate, and a control member engageable with the lower end of the intermediate plate for swinging it towards the rear plate to release the coins.

2. A device of the character described including a transparent substantially vertically disposed front plate, a complementary closely adjacent rear plate, spring means retaining the upper portions of the front and rear plates in separable adjacency, said plates being recessed to provide a coin chamber therebetween having an upper coin receiving slot, an intermediate plate pivotally mounted at its upper end in the rear plate and spring urged at its lower end to swing into contact with the front plate, whereby coins inserted in the slot drop and are retained between the intermediate plate and the front plate, and a control member engageable with the lower end of the intermediate plate for swinging it towards the rear plate to release the coins.

ALEXANDER M. GORDON.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>226,158</td>
<td>Cary</td>
<td>Apr. 6, 1880</td>
</tr>
<tr>
<td>235,740</td>
<td>Casey</td>
<td>Dec. 21, 1880</td>
</tr>
<tr>
<td>1,032,976</td>
<td>Buckman,</td>
<td>July 16, 1912</td>
</tr>
<tr>
<td>1,277,403</td>
<td>Drew et al.</td>
<td>May 22, 1917</td>
</tr>
<tr>
<td>1,364,156</td>
<td>Thompson</td>
<td>Jan. 4, 1921</td>
</tr>
<tr>
<td>1,805,422</td>
<td>Smith</td>
<td>May 12, 1931</td>
</tr>
<tr>
<td>1,838,317</td>
<td>Marchioni</td>
<td>Dec. 28, 1931</td>
</tr>
<tr>
<td>2,189,086</td>
<td>Weatherford</td>
<td>Apr. 30, 1940</td>
</tr>
</tbody>
</table>

FOREIGN PATENTS

<table>
<thead>
<tr>
<th>Number</th>
<th>Country</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,571</td>
<td>England</td>
<td>1890</td>
</tr>
</tbody>
</table>