

Oct. 31, 1939.

A. A. DALKIN

2,177,689

COIN AND TOKEN RECEIVER

Filed Sept. 20, 1937

Fig. 1.

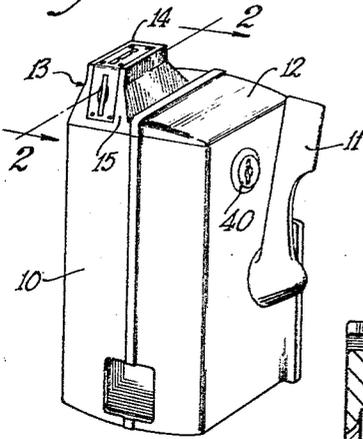


Fig. 2.

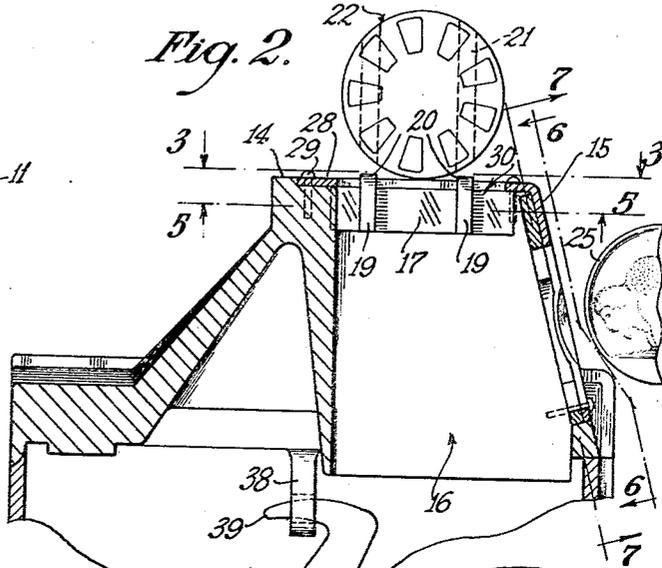


Fig. 4.

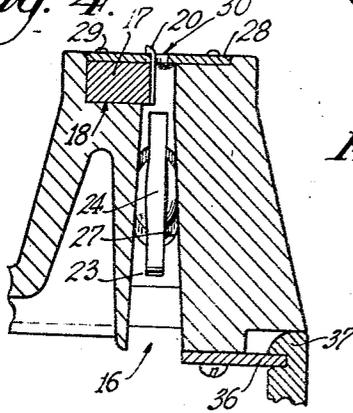


Fig. 3.

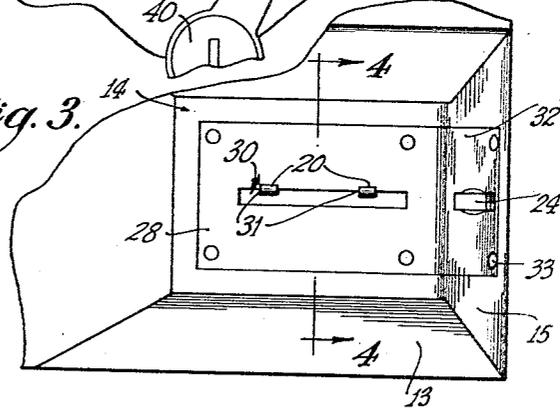


Fig. 6.

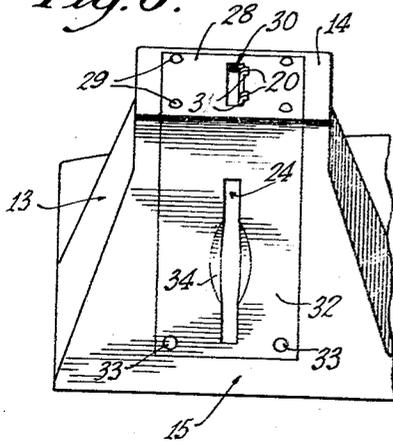


Fig. 7.

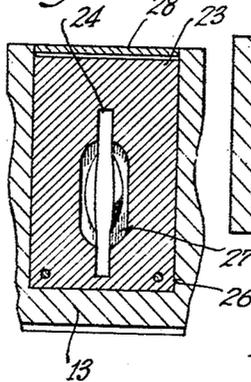
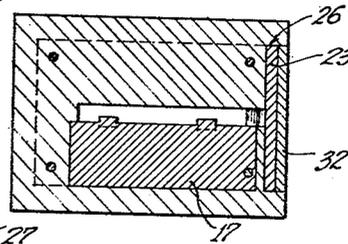


Fig. 5.



Albert A. Dalkin
INVENTOR.

BY *Clarence E. Freedy*

HIS ATTORNEY.

UNITED STATES PATENT OFFICE

2,177,689

COIN AND TOKEN RECEIVER

Albert A. Dalkin, Chicago, Ill.

Application September 20, 1937, Serial No. 164,697

6 Claims. (Cl. 194—4)

This invention relates to coin operated devices, and more particularly to a coin and token receiver for use with coin control units.

Among its important objects the invention provides a device, preferably in the form of an attachment, for use with coin control units and having means providing an entrance for coins and another entrance for tokens, and key or gauge means in the token entrance for permitting passage therethrough only of such tokens as are keyed in a particular manner.

It is another object to provide an attachment of the type described in which the coin entrance and token entrance are provided with gauge members each adapted to exclude coins or tokens admitted by the other, such coins and tokens being passed to a common chute for delivery to a selecting device operable by both the coin and the token, the selecting device being operable only by a token keyed to pass the aforesaid gauge means and further being operable only by particular kinds of coins passed through the coin entrance.

It is a further object to provide a device in the form of a closure attachment for use with coin control devices and having a common coin passage and separate coin and token passages communicating therewith, each passage being provided with gauge means adapted to admit particular coins or tokens and each adapted to admit a coin element not admitted by the other.

A further object is the provision of a body in the form of a closure member adapted for use with a housing for a coin control mechanism, the body having a formation providing adjoining and substantially vertical and horizontal wall sections, each with an entrance opening therein, and gauge means seated in recesses formed at said entrance openings for obstructing passage of all but certain kinds of tokens or coins adapted to actuate the control mechanism.

Yet another object is the provision of a closure member for a coin control housing and provided with adjacent entrance openings for coin elements communicating with a common passage for delivery of such elements to selecting mechanism in the housing, one of these openings having a key or gauge member seated in a recess adjoining the same and adapted to pass a token keyed for cooperation therewith, the other opening having a recess in which is seated another gauge member adapted to admit a certain type of coin, but prevent entrance of the particular token or check receivable in the first-mentioned keyed opening, together with an escutcheon plate

for both openings and having slot formations registrable cooperably with the gauge members in each said opening.

Other objects and novel aspects of the invention will appear as the following detailed description proceeds in view of the drawing in which:

Fig. 1 is a perspective view of a coin unit embodying the novel coin receiver;

Fig. 2 is an enlarged vertical section through the coin receiver means, as seen along lines 2—2 of Fig. 1;

Fig. 3 is a fragmentary top plan view of the device of Fig. 1;

Fig. 4 is a fragmentary vertical traverse section through the receiving means and taken along lines 4—4 of Fig. 3;

Fig. 5 is a horizontal section through the token key or gauge means as seen along lines 5—5 of Fig. 2;

Fig. 6 is a front elevation of the front or coin entrance opening as seen along lines 6—6 of Fig. 2; while

Fig. 7 is a section through the device of Fig. 6, as seen along lines 7—7 of Fig. 2.

In one embodiment of the invention, the novel coin selector is applied to a coin control unit including a housing 10 (Fig. 1) in which is installed a coin and token testing mechanism, preferably of the type shown in United States Patent 2,073,392 and which is operable by certain types of coins such, for example, as the buffalo nickel, and also by tokens or checks keyed in a particular manner (for example, as seen in the upper part of Fig. 2 herein). This control unit includes an operating lever 11 adapted to actuate certain mechanism responsive to the deposit of a proper coin or token, the unit usually being installed on some form of amusement or vending apparatus which is adapted to be set into operation by manipulation of the lever 11.

The selector unit itself includes a body 12 formed to provide a closure for the housing 10, and this body has a protuberance 13 providing a substantially horizontal surface 14 and an adjoining and substantially vertical or side wall surface 15.

Formed in each of the adjoining surface portions 14 and 15 is a coin or token entrance opening communicating with a common coin passage 16 (Fig. 2) within the closure and adapted to deliver a coin or token to the testing device heretofore mentioned.

Formed about each of the coin element openings is a seating recess adapted to receive a gauge member which is preferably mounted flush with

the corresponding surface of its respective coin opening or slot. As seen in Figs. 2 and 4, showing the top or token entrance, the key or gauge member is a metal block 17 seated in a recess 18 at one side of the common passage 16 and having a pair of spaced vertical keying ribs 19 projecting upwardly as at 20 for engagement with corresponding key formations 21 on a check 22. Only those checks having the particular keying formation adapted to cooperate with the ribs 19 can be inserted in the token slot.

Referring to Fig. 7, the coin receiving slot in the front or vertical wall section of the protuberance includes a gauge plate 23 having an elongated slot 24 of shorter length than the diameter of the token 22, but of a length adequate to pass a particular coin such as a five-cent piece 25 (Fig. 2). The plate 23 is seated in a recess 26 and held therein by means hereafter to be described. Between its ends, the coin slot 24 has an oval cut-out 27, the purpose of which will later become apparent.

Both of the gauge plate members 17 and 23 are formed from hardened metal resistant to filing and other kinds of deformation, and are closely tooled to the dimensions of the several coin elements they are intended to receive. By the particular disposition of the slots in adjoining wall portions, it will be apparent that coin elements entering either of the same will gravitate along the same trajectory for movement into the selecting mechanism therebelow (not shown).

To secure the several gauge members in position and also provide a further gauging means, there is provided an angular escutcheon plate having a horizontal portion 28 seated in a recess overlying the recess 18 and the gauge member 17, so as to have its upper surface flush with the top surface of the protuberance or boss 13, and pin means 29 are extended through the plate into the body of the boss to secure the plate against removal.

As seen in Fig. 3, the horizontal extension 28 of the escutcheon plate is provided with an elongated token slot 30 having notches 31 along one longitudinal edge in which are received the key ribs 20, the other or "vertical" extension 32 of the escutcheon plate is similarly seated in the recess 26 overlying the coin gauge plate 23 with its outer surface likewise flush with the face of the boss or protuberance, there being pin means 33 extended therethrough and secured in the body of the boss. Between its ends the coin slot 24 in the vertical plate portion is provided with an oval inset 34 which fits into the oval cut-out 27 in the gauge plate so that the slot may be said to be recessed between its ends for the purpose of conveniently leading the entering coin into the slot and further distinguishing the same from the keyed slot 30 in the top of the boss.

While the present selective receiving unit is shown as a top closure, it will be understood that the device may be arranged as a side wall closure or as an auxiliary attachment for a housing already provided with a closure. In its present form, however, the closure body is provided on its under surface with a horizontally extending tongue 36 (Fig. 4) adapted to slide into a slot 37 in the housing when the closure is in place thereon. Formed integrally with an under surface portion of the closure is a latch receiving boss 38 (Fig. 2) having an opening in which is received the latch nose 39 of an arm pivoted by a key operated lock 40. Thus, the selector may be

made interchangeable with other units of like kind for purpose of repair, changing the token keys, and so on.

Various changes and rearrangements may be made in the particularly described illustrative embodiment, and it is to be understood that all such changes and variations are contemplated by the appended claims.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent is:

1. A selective receiving device in the form of a body comprising a closure member for a housing having a coin operated device, said closure member having a formation providing adjoining angularly disposed wall sections each having an entrance opening therein, and each provided with a gauge member defining a passage for the admission of a coin element, each of said passages communicating with a common coin passage therebelow in said closure and adapted to direct coin elements for gravitating movement toward said coin operated device.

2. A coin and check receiving attachment in the form of a housing adapted to include a coin operated device therein, a closure for said housing, said closure being formed to provide adjoining wall portions in each of which is formed an entrance opening having communication with a common coin passage extended vertically therebelow in said closure and adapted to direct coin elements gravitating therein to said coin operated device, gauge members arranged on said closure adjoining each of said openings and adapted to admit particular coin elements therein, each said gauge member excluding the particular coin element admitted by the other, and an escutcheon plate common to said openings and having surface portions overlying said gauge members, and means securing said plate to said closure to prevent removal of the gauge members, said escutcheon plate further having coin slot formations dimensioned for gauging cooperation with said gauge members.

3. In combination with a housing having coin and token selecting mechanism therein and a closure opening, a closure for said opening and providing selective slot means for deposit of coin elements in said selecting mechanism, said closure being in the form of a plate member having a protuberance with substantially horizontal and vertical adjoining surface portions and each of the latter having an entrance opening therein communicating with a vertical coin passage therebelow in said closure, said passage being adapted to direct coin elements to said selecting mechanism, said entrance openings having seating recesses formed thereabout, gauge members seated in said recesses and adapted to admit particular coin elements into their respective openings for delivery to said selecting mechanism, each of said gauge members mutually rejecting coin elements admitted by the other, and an escutcheon plate having angularly disposed extensions adapted to fit flush against said adjoining surface portions to overlie said gauge members, means securing said escutcheon plate to said closure to prevent removal of the gauge members, and each extension of the escutcheon plate having a coin element slot in register with its corresponding gauge member and cooperable with the latter to admit particular coin elements into one or the other of said openings.

4. A coin and token depository for use with selecting mechanism installed in a housing, said

depository comprising a body forming a removable closure for said housing, said body having a protuberance providing a substantially horizontal and a vertical surface, each having an opening therein communicating with a common vertical passage formed in said closure and communicating with said selecting mechanism in the housing whereby coin elements deposited in either of said openings will traverse substantially identical paths into said mechanism, a gauge member having key formations thereon for cooperation with a particularly keyed token and seated in a recess formed about one of said openings so that only said keyed token may be deposited in said opening, a gauge plate having a coin slot therein and seated in a recess adjoining the opening in the other said surface of the protuberance, said slot therein being adapted to exclude passage of said keyed token thereover and being adapted to admit a coin element excluded by said keyed gauge member, an escutcheon plate bent to provide angularly disposed sections fitting flush against said surfaces in the protuberance and overlying the several gauge members therein, each section of the escutcheon plate having a slot in register with corresponding coin element openings, said slots being formed for cooperation with their corresponding gauge members, means for attaching said escutcheon

plate to said protuberance to prevent removal of the same therefrom, and means on said closure for removably attaching the same to said housing.

5. In a device of the class described including a member providing a common coin passage, means providing a check entrance for said passage in one plane, gauge means at said check entrance arranged to permit the passage only of checks having a predetermined surface configuration, a coin entrance for said passage adjacent said check entrance but disposed in a plane at an angle to the plane of the check entrance, and gauge means at said coin entrance arranged to exclude said checks and all checks of greater diameter.

6. Multiple coin slot means for use with coin control devices, said means including a member adapted to form a closure for said coin control device, said member having adjoining wall portions in angularly directed planes, and a common coin passage communicating with coin passages in each of said wall portions, an escutcheon plate fitted onto said member and overlying both of said wall portions, said plate having a coin passage in each angular portion thereof arranged in register with the coin passage in the corresponding wall portion of said member.

ALBERT A. DALKIN.