

(No Model.)

T. H. BEDELL.
COIN OPERATED VENDING DEVICE.

No. 474,588.

Patented May 10, 1892.

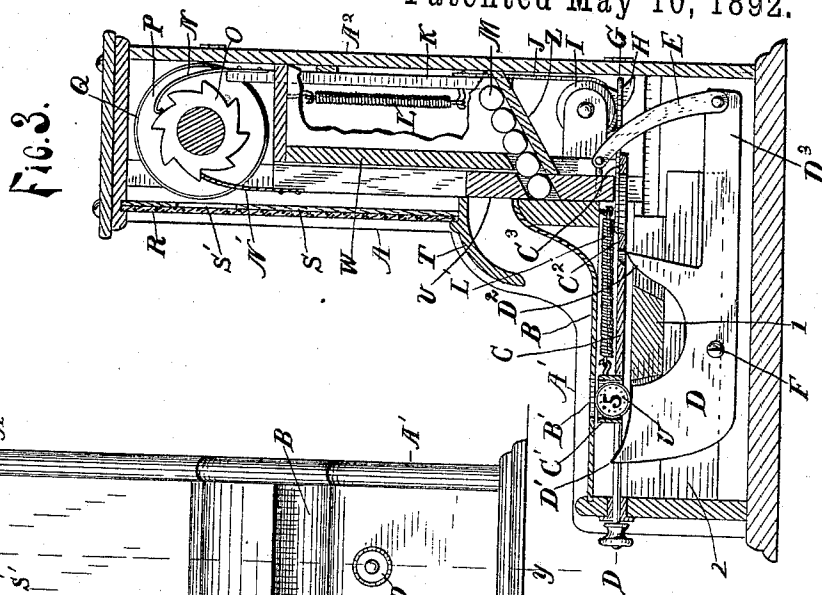


Fig. 3.

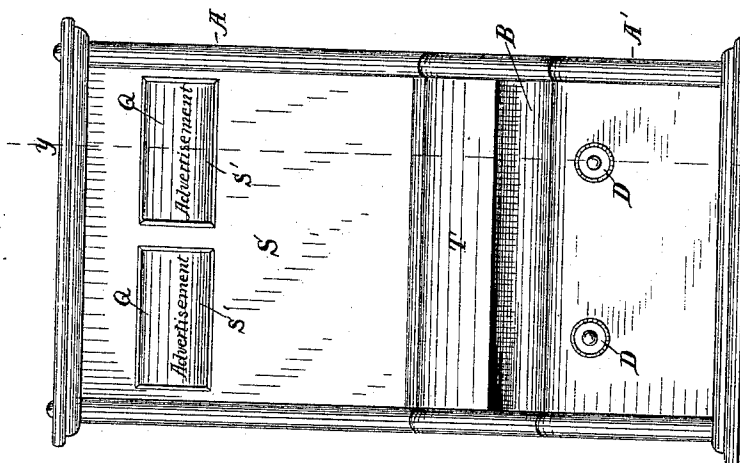


Fig. 2.

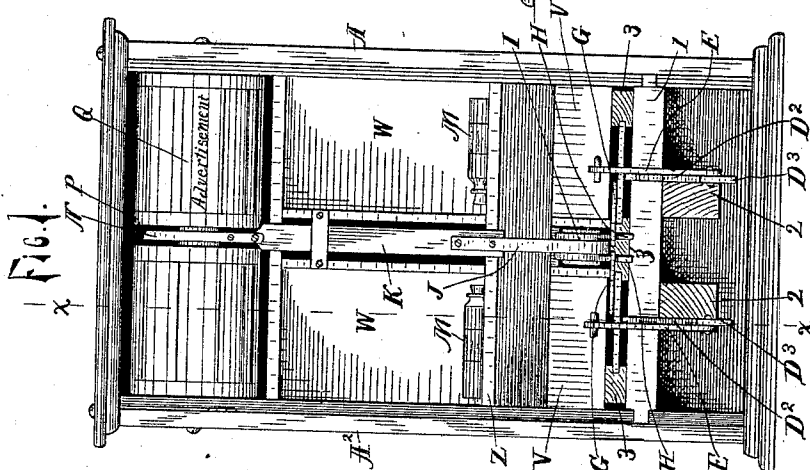


Fig.

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UNITED STATES PATENT OFFICE.

THOMAS HARRY BEDELL, OF GRAND RAPIDS, MICHIGAN.

COIN-OPERATED VENDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 474,588, dated May 10, 1892.

Application filed February 19, 1892. Serial No. 422,103. (No model.)

To all whom it may concern:

Be it known that I, THOMAS HARRY BEDELL, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Coin-Operated Vending Devices, of which the following is a specification.

My invention relates to that class of machines designed to be made operative by the insertion of a coin in a slot; and its objects are to deliver an article in exchange for the coin, to display changing advertisements, and to prevent the delivery of more than one article for one coin or in any manner not desired by the owner of the device. I have shown a construction designed to deliver bottles of perfumery or similar articles, but it obviously could be adapted to packages of any size or shape. These objects I accomplish by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a rear elevation with the back part of the case or door removed. Fig. 2 is a front elevation, and Fig. 3 is a vertical section on the line *xx* of Fig. 1 and *yy* of Fig. 2.

Similar letters and figures refer to similar parts throughout the several views.

A A' A² show an inclosing case, the general shape of which appears by Fig. 3.

B is the top plate, which I make in its rear part of the upwardly-curved form shown, and which, with the correspondingly-curved and projecting cover T, forms a slide or passage way down which the bottle rolls upon the top plate B, where it may be picked up. In the top plate are slots B' to receive the coin. Beneath each of these slots is a sliding plate C, which is operated by drawing it out by a button or pull D and which has a slot or pocket C', which normally registers with the slot B', so that a coin inserted will drop into the pocket C' and be held upright on edge, as shown, but loosely, so that it may revolve.

D is a metallic plate, of the form shown, with projections D' D² D³ and operating as a lever, hung by a pivot F to the interior supporting frame-work 1 2 3. The part D' is beneath and supports the coin when inserted and is curved upward, so that as the coin moves forward, drawn along by the slide and rolling under the top plate B, the part D' will be moved

downward and the parts D² and D³ raised. The part D² normally rests against the bottom of the slide C and cannot be raised until the slide is drawn out far enough so that the part D² may enter the slot shown between posts C² and C³ of the slide. As soon as the slide C is drawn forward it closes the opening B', and the upper surface of the part D' is so constructed that the coin will not press it down until the part D² is beneath the slot in that end of the slide. The part D³ is connected by a link E to a carrier V. This slides up and down in the frame and has an inclined opening, which registers with an inclined opening in the wall W of a reservoir containing articles to be delivered, here shown by bottles M, so that one of the bottles will drop into and rest in the carrier V. Elevating the end D³ of the lever D raises the carrier, and with it the bottle therein, until the latter is opposite the slide in the case, when the bottle will roll down and be discharged upon the top plate. A spring L' assists in returning the slide C to its normal position. In the upper part of the case is a roller P, carrying a ratchet-wheel O. This roller has upon its surface such advertising matter as may be desired, and as it is rotated different parts of the advertisement or successive advertisements are exposed to view through an opening S' in the front of the case. I have made the front of the case to consist of a card S, with openings S' S', bearing such printed matter or directions as are thought best and covered and protected by a glass front R. This construction by a change of the card enables me to change the appearance or lettering of the front to adapt it to the article to be delivered; but this is not essential. I have shown a device with two parts with two independent pulls, so as to deliver one or two articles; but it is obvious that it may be varied in this particular. The ratchet O is held by a pawl N' from reverse motion and is operated by a hooked pawl N, which is attached to the upper end of a vertically-sliding bar K. This bar after being drawn down is raised to its normal position by a spring L. A belt J connects the lower end of the sliding bar K to a pulley I and is fastened to it. Hooks G on the rear ends of the slides C C engage with hooks H H on the pulley, so

that the pulling out of a slide C rotates the advertising matter on pulley P.

It is evident that with the construction I describe a coin smaller than the prescribed size will not sufficiently depress the lever D to operate the device, while a larger coin will not pass through the slot nor under the top plate. The insertion of a wire through the slot will not depress the lever, as the part D² cannot rise. A paper or pasteboard disk of the proper size would not be strong enough to force the lever down. This construction therefore insures the operation of the device only by the prescribed coin.

I claim as new and desire to secure by Letters Patent—

1. The combination, with a suitable case having a slot therein adapted to receive a coin, of a receptacle normally registering with the slot and carried by a slide provided with means for operating it from without the case, a pivoted lever having a part in position to be

actuated by the coin when the slide is operated, and means whereby said lever is locked by the slide when the latter is in its normal position, but is free when the slide is operated sufficiently to throw the receptacle out of register with the slide, and a device actuated by said lever for delivering one of the articles through the case, substantially as described.

2. The combination, with a suitable case containing a slot, of a slide C, provided with a receptacle C', normally in register with the slot, a lever D, having a part D' in position to be engaged by the coin when the slide is operated, a part D², adapted to engage with the slide when the latter is in its normal position, but to be free therefrom when the slide is operated, and a sliding carrier V, operated by said lever, substantially as described.

THOMAS HARRY BEDELL.

Witnesses:

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