

No. 772,533.

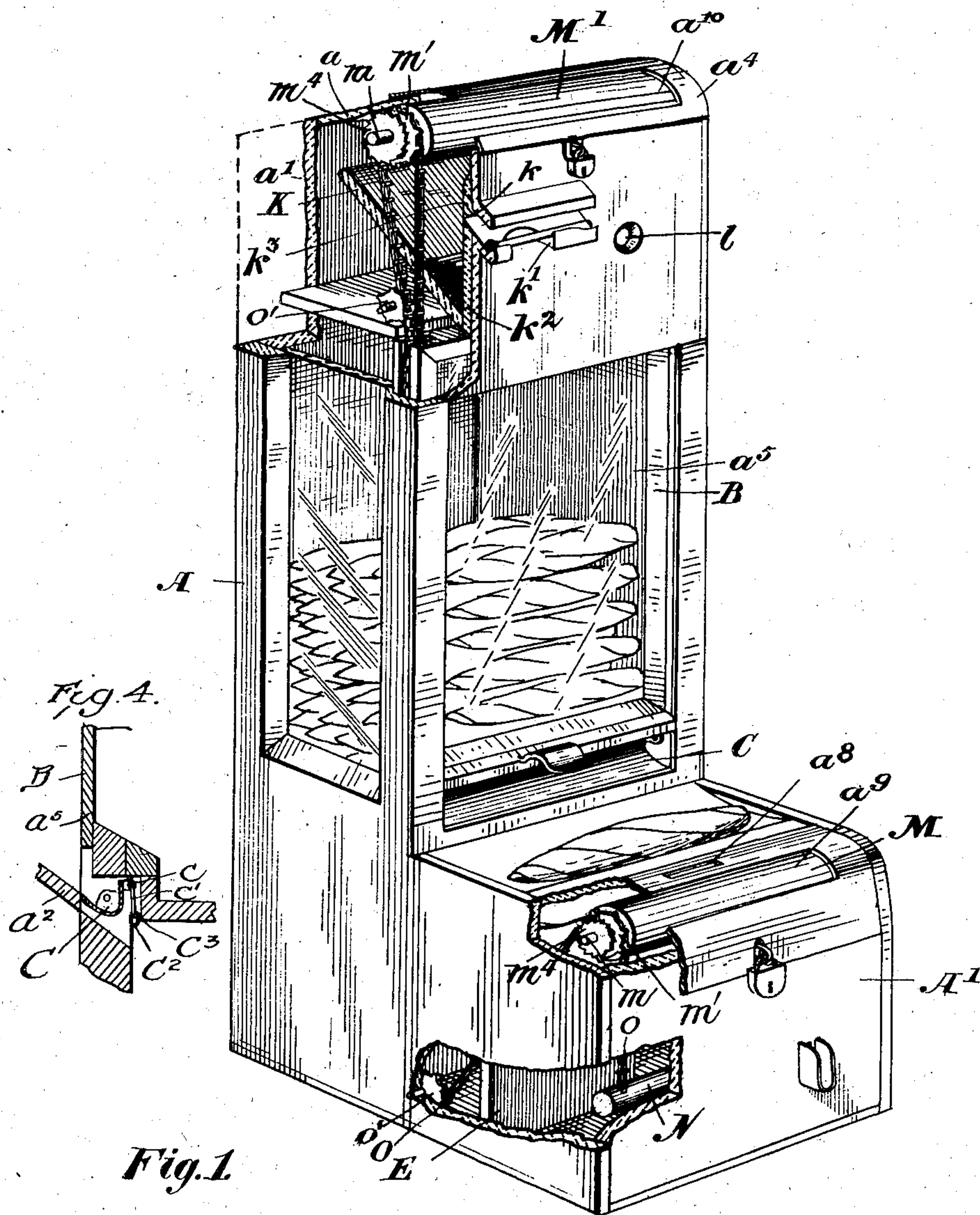
PATENTED OCT. 18, 1904.

R. E. REARDON.
VENDING MACHINE.

APPLICATION FILED DEC. 22, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses.

Edward P. Fehrlinger

J. C. Askrith

Inventor.

R. E. Reardon.

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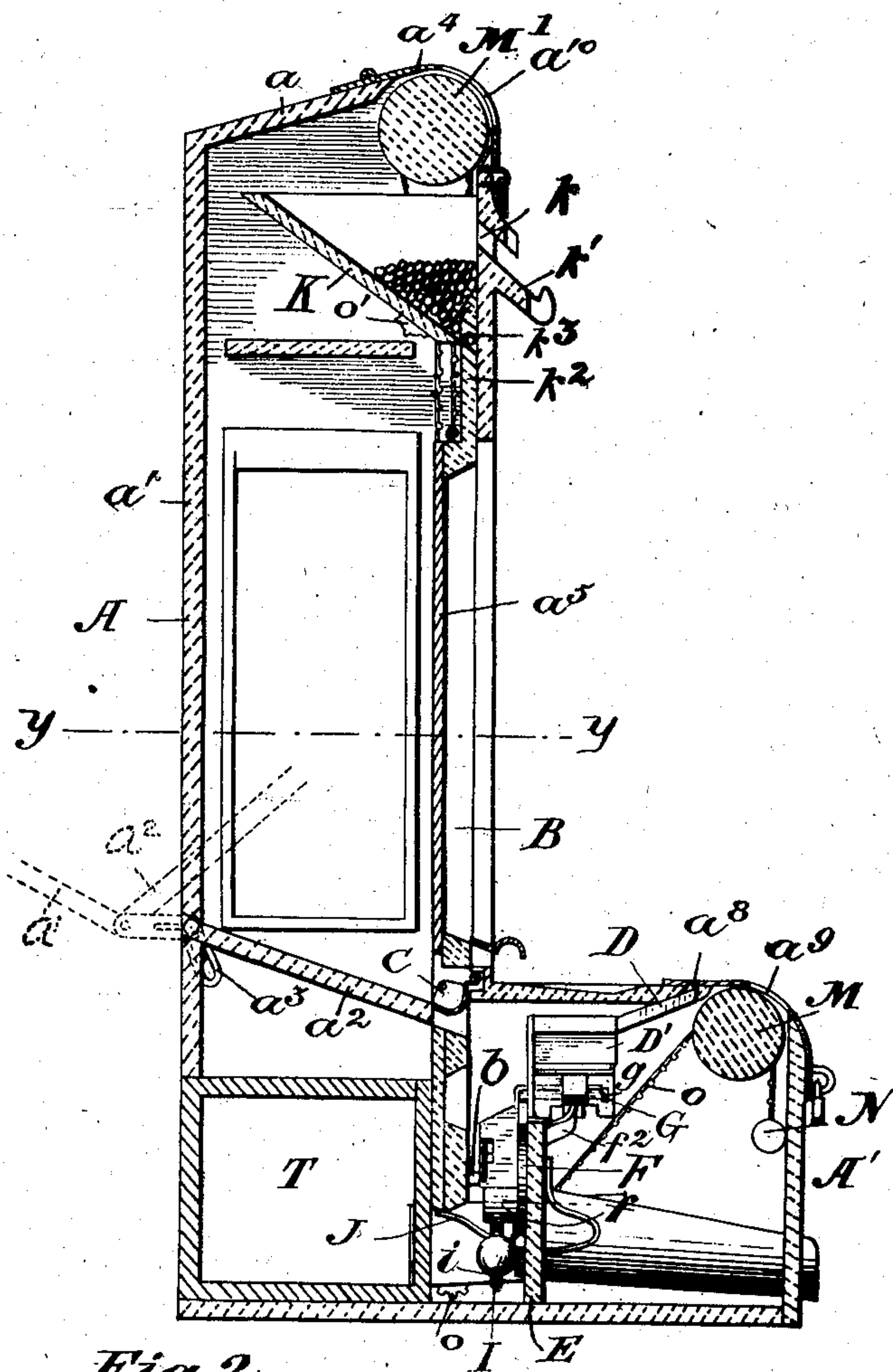
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2 SHEETS—SHEET 2.



Witnesses.

E. P. Featherstonhaugh

J. C. Askwith

Inventor:

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UNITED STATES PATENT OFFICE.

ROBERT EDWIN REARDON, OF OTTAWA, CANADA.

VENDING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 772,533, dated October 18, 1904.

Application filed December 22, 1902. Serial No. 136,219. (No model.)

To all whom it may concern:

Be it known that I, ROBERT EDWIN REARDON, manufacturer, of the city of Ottawa, in the county of Carleton, Province of Ontario, Canada, have invented certain new and useful Improvements in Vending-Machines, of which the following is a specification.

My invention relates to improvements in vending-machines; and the objects of my invention are to devise a machine to contain cigars or the like, which may be extracted one at a time by the insertion of a coin in an automatic releasing portion of the device, further objects being to improve the receptacle for the articles to be sold and the discharging portions of such machines in order to make the same simple and cheap in construction, to make it impossible to "cheat the machine," and to avoid any damaging of the articles being vended when they are being extracted from the machine; and it consists, essentially, of a receptacle of suitable form having a raisable side or front and a reversible trough normally opening inwardly into the receptacle, and means whereby said trough may be reversed by raising said slidable side or front, thereby emitting one of the articles from the receptacle, the said slidable side or front being normally locked in position, but releasable by the insertion of a coin into a suitable releasing mechanism, the various parts of the device being constructed and arranged in detail as hereinafter more particularly described.

Figure 1 is a perspective view of the machine, certain portions of the casing being broken away to show the interior construction. Fig. 2 is a sectional elevation of the machine on the line X X, Fig. 3, the coin-operated mechanism not being sectioned. Fig. 3 is a horizontal section on the line Y Y, Fig. 2. Fig. 4 is a section showing an alternative form of the reversible receptacle for emitting the article sold.

In the drawings like letters of reference indicate corresponding parts in each figure.

The frame or casing of the machine consists of an upright portion A and a forwardly-extending portion A'. A receptacle for containing the articles to be vended is formed in

the upright portion of the machine and may be opened for inserting the articles in any suitable manner; but the construction which I have adopted consists of the top a , the back a' , and the sloping lower portion a^2 , which are formed integral or secured together and are supported by a slotted hinge a^3 , so that in opening the sloping bottom portion a^2 will clear the front of the device. A sheathing a^4 is hinged to the top and extends over the front of the machine. A suitable padlock is provided for locking this sheathing to the front of the device. The lower part of the front of the upwardly-extending portion A of the machine is provided with a pane of glass a^5 , which reveals the articles contained inside the receptacle. Glass may also be provided at the sides, if desirable. The slidable frame B to which the glass front a^5 is secured is adapted to slide up and down in grooves $a^6 a^7$, formed in the sides of the frame or casing of the machine.

C is the reversible receptacle, which is pivotally hung by its ends in an opening in the slidable front or frame B. This receptacle is of such size and shape as to contain one of the articles to sell for which the machine is designed. Suitable means are provided whereby on raising the slidable front B the receptacle C will be reversed and will throw out one of the articles on top of the forwardly-extending portion A' of the machine.

The means which I employ to reverse the emitting-receptacle when the frame is raised is shown in Fig. 2, and an alternative means is shown in Fig. 4. The construction shown in Fig. 2 consists of a recess formed in the forward portion of the machine, into which the front of the receptacle extends, thus causing the receptacle to be reversed when the frame is raised. The alternative construction shown in Fig. 4 is as follows: A suitable ring or eye c is secured to the outer bend of the receptacle C. A rod c' is suspended from the eye c , and this rod is provided at its lower end with a longitudinal slot c^2 . A ring c^3 is secured to the casing of the machine and passes through the slot c^2 . It will thus be seen that on raising the frame B the rod c' will cause the receptacle C to be tilted forwardly, so as

to emit the article sold onto the front of the device, and as long as the frame is in the raised position the rod *c'* will prevent the receptacle C from being turned over for the purpose of removing more than one of the articles.

Any suitable means may be employed for normally holding the slidable front locked in the lowered position. I have indicated means for this purpose in the drawings; but it is to be understood that I do not wish to claim this part of my invention in the present application, but I desire to reserve the right to file a divisional application to cover these and other features of the device.

What I claim as my invention is—

1. In an automatic vending-machine in combination a receptacle, a vertically-slidable front for the receptacle, means operated by the raising of the front whereby one article is emitted from the receptacle as and for the purpose specified.

2. In a device of the class described the combination with the vertically-slidable front, of an emitting trough or receptacle pivotally mounted in an opening in the frame of said slidable front, and a connecting-piece secured at its upper end to the forward edge of said trough and at its lower end to a stationary portion of the casing as and for the purpose specified.

3. In a device of the class described the combination with the casing comprising the upright portion and the forwardly-extending

portion, of a receptacle having a downwardly and forwardly sloping floor, and a back formed integral therewith, a top secured to the back and a curved plate secured to said top by a suitable hinge, a slotted hinge at the juncture of the floor and the back, and means for locking said curved plate to the front of the casing as and for the purpose specified.

4. In an automatic vending-machine in combination a receptacle, a raisable front for the receptacle, a reversible trough opening normally into the receptacle and means whereby the front when raised will cause the trough to turn over so as to be opened outwardly from the receptacle.

5. In an automatic vending-machine in combination a receptacle, a raisable front for the receptacle having a recess or laterally-extending orifice in its lower portion, a trough pivotally suspended in said orifice, said trough being adapted to open normally into the receptacle and means whereby the front when raised will cause said trough to overturn and open outwardly from the receptacle as and for the purpose specified.

Signed at the city of Ottawa, in the Province of Ontario, this 6th day of December, 1902.

ROBERT EDWIN REARDON.

Witnesses:

EDWARD P. FETHERSTONHAUGH,
F. C. ASKWITH.