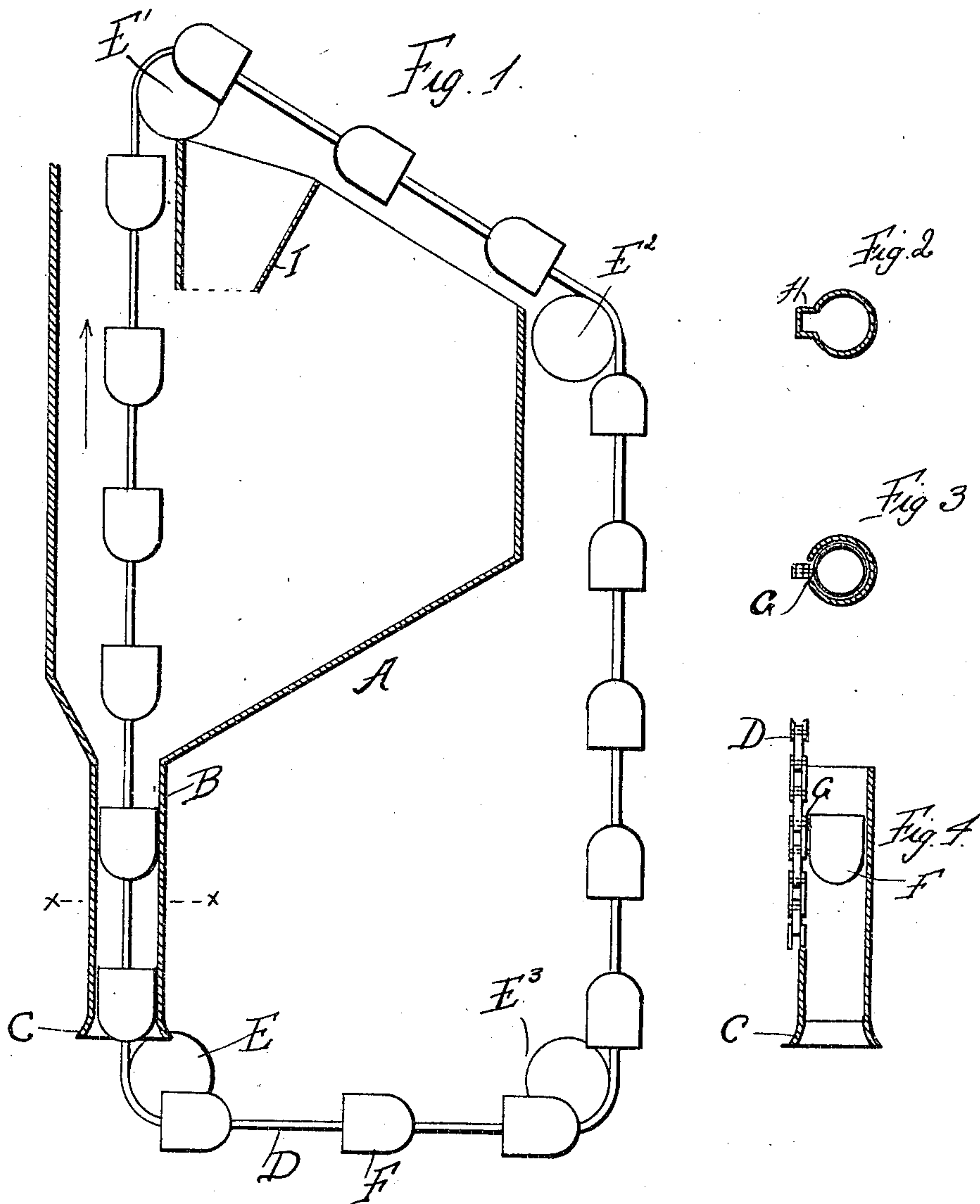


No. 837,239.

PATENTED NOV. 27, 1906.

W. MOONEY.
ELEVATING AND DELIVERING MECHANISM FOR VENDING MACHINES.
APPLICATION FILED MAY 4, 1906



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WILLIAM MOONEY, OF PHILADELPHIA, PENNSYLVANIA.

ELEVATING AND DELIVERING MECHANISM FOR VENDING-MACHINES.

No. 837,239.

Specification of Letters Patent.

Patented Nov. 27, 1906.

Application filed May 4, 1906. Serial No. 315,138.

To all whom it may concern:

Be it known that I, WILLIAM MOONEY, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a certain new and useful Improvement in Vending-Machines, of which the following is a specification.

My invention relates to a new and useful improvement in elevating and delivering mechanisms for vending-machines, and has for its object to provide an exceedingly simple and effective construction by which the contents of a hopper or reservoir may be elevated and delivered when the coin-controlled mechanism has been properly adjusted by the passage of a coin thereto.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a vertical section of a portion of a vending-machine made in accordance with my improvement, showing the conveyer-buckets' passage through the hopper; Fig. 2, a section at the line *x x* of Fig. 1; Fig. 3, a similar view of a slightly-modified form of my invention in which the spout through which the conveyer-buckets pass is slotted at one side for the passage of the supporting-lugs; Fig. 4, a vertical section of the former spout shown in Fig. 3.

In carrying out my invention as here embodied, A represents a hopper the bottom of which is inclined toward the spout B, the latter leading from the lowest point of the bottom and having its lower end flared, as indicated at C.

D is a conveyer-chain running over the sprocket-wheels E, E', E², and E³, and this chain has secured thereto the conveyer-buckets F, which are supported by the short lugs G, attached to the links of the chain and to said buckets. The buckets are preferably secured to one side of the chain, said chain in its passage through the spout traveling in

the offset H, or, if preferred, the chain may travel outside of the spout, a slot being formed in the side of the latter for the passage of the lugs G, as shown in Figs. 3 and 4. From this description it will be seen that when the conveyer is revolved in the direction of the arrow marked adjacent thereto the buckets will first pass into and through the spout B and then upward into the hopper, during which movement they will be filled from the contents of the hopper, and as the buckets successively reach and pass around the sprocket-wheel E' their contents will be dumped into the chute I, by which it will be conveyed to the point of delivery.

It is to be noted that the spout B is of sufficient length to always contain two of the buckets, thus effectually closing the spout against the outflow of the contents of the hopper.

The actuating mechanism may be connected with either of the sprocket-wheels; but as this mechanism forms no part of my present invention I have not deemed it necessary to show or describe the same.

Having thus fully described my invention, what I claim as new and useful is—

1. In a vending-machine, a hopper having an inclined bottom, a spout leading downward from said bottom, a conveyer-chain adapted to pass through the hopper, a series of conveyer-buckets carried by said chain, said buckets being adapted to pass through the spout and during such passage keep the spout closed against the outflow of the contents of the hopper, as specified.

2. In a vending-machine, a hopper having an inclined bottom, a spout projecting downward from the lowest point of said bottom, a series of wheels, a conveyer-chain passing over said wheels in such manner as to run through the spout and hopper, a series of conveyer-buckets secured to the chain at regular intervals said buckets adapted to pass through and close the spout and a chute for receiving the contents of the buckets as they turn the highest point in their travel, as specified.

3. In a vending-machine, a hopper for containing the material in bulk, a spout connected with the bottom of the hopper, the lower end of said spout being flared outward, an offset formed with the spout, four sprocket-wheels, a conveyer-chain running over said

sprocket-wheels and passing through the off-
set of the spout and upward through the hop-
per, a series of buckets supported by the
chain at equal distances from each other and
5 a chute so located as to receive the contents
of the buckets when the latter turn the high-
est point in their travel, as and for the pur-
pose set forth.

In testimony whereof I have hereunto
affixed my signature in the presence of two 10
subscribing witnesses.

WILLIAM MOONEY.

Witnesses:

FRANK KREIS,
FRANCIS J. MOONEY.