

No. 726,387.

PATENTED APR. 28, 1903.

W. J. WILSON.
COIN FREED MECHANISM.
APPLICATION FILED MAR. 26, 1901.

NO MODEL.

2 SHEETS—SHEET 1.

Fig:2.

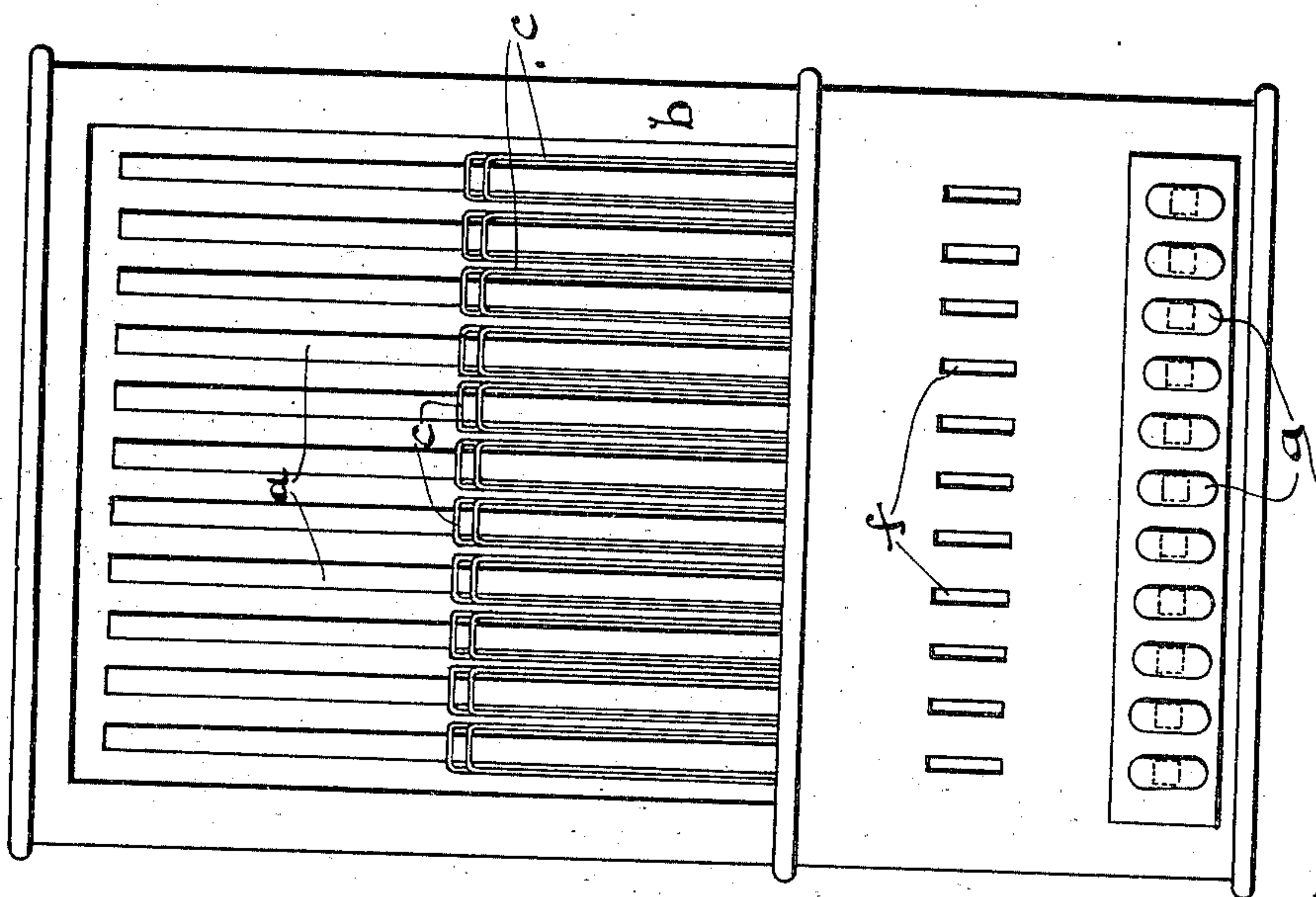
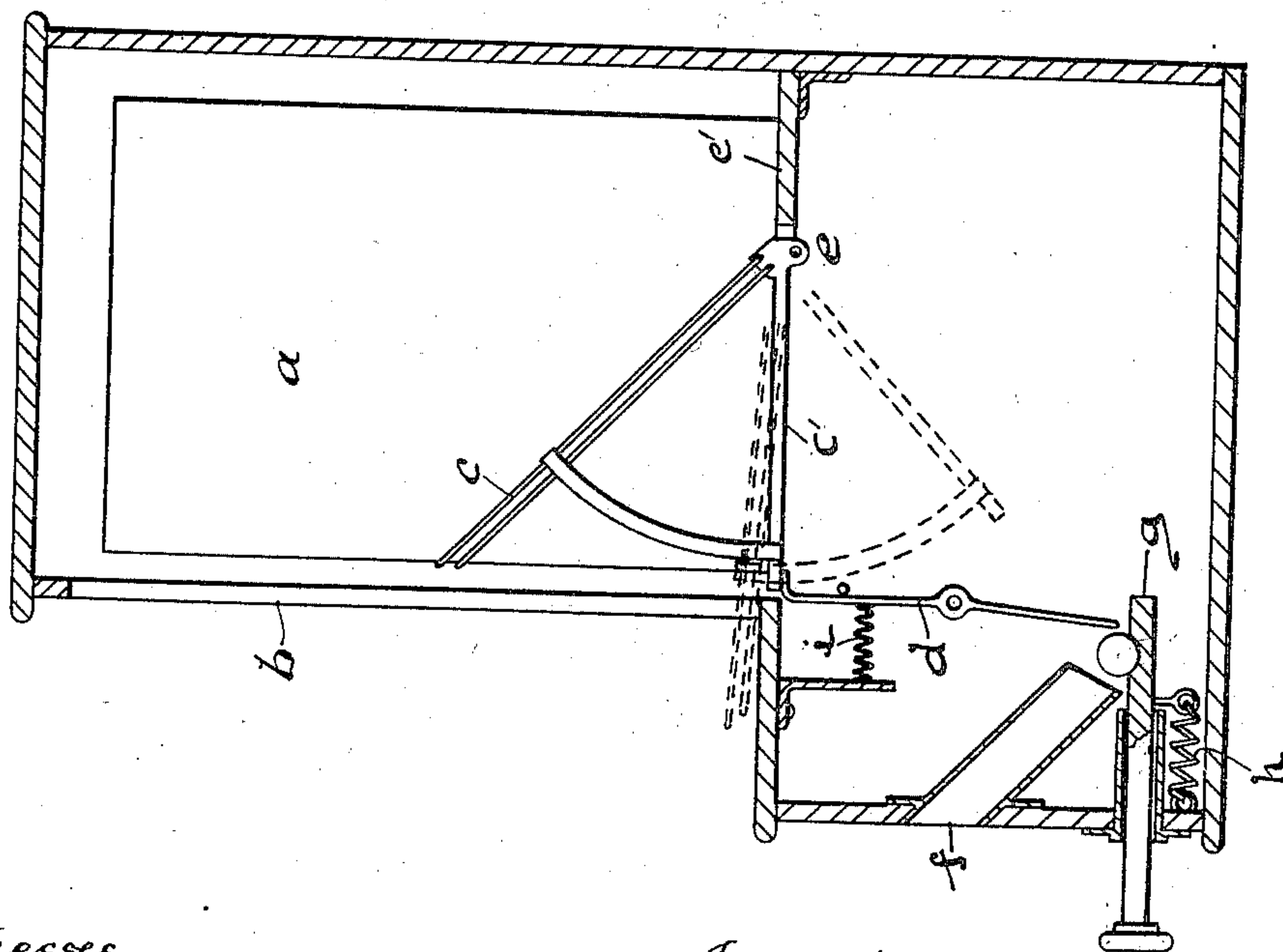


Fig:1.



Witnesses.

Benjamin Clark
Charles H. Briggs

Inventor.
William John Wilson
Per:— *E. Eaton*
His Attorney.

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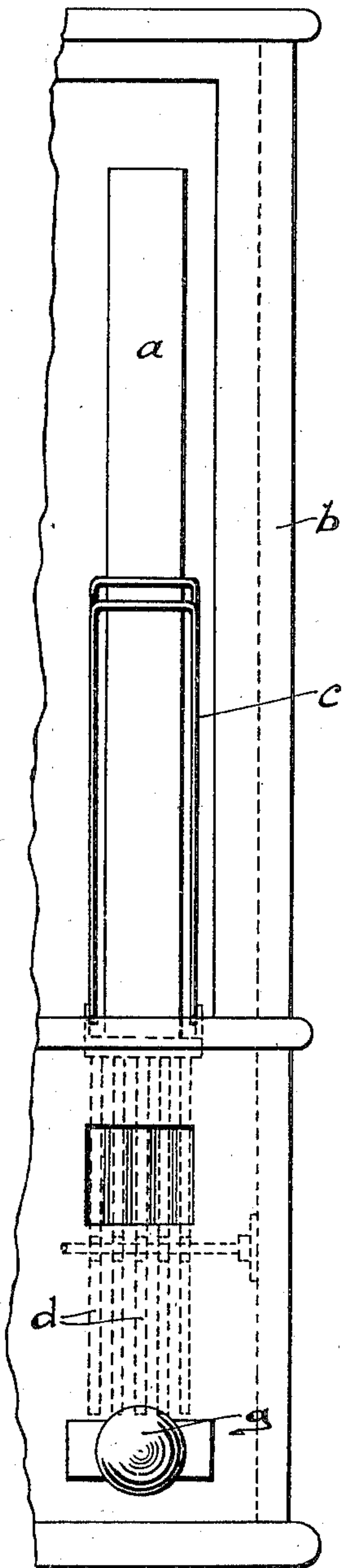
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APPLICATION FILED MAR. 26, 1901.

NO MODEL.

2 SHEETS—SHEET 2.

Fig. 3.



Witnesses.

Benjamin Black
Charles H. Briggs

Inventor.

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His Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM J. WILSON, OF BIRMINGHAM, ENGLAND.

COIN-FREED MECHANISM.

SPECIFICATION forming part of Letters Patent No. 726,387, dated April 28, 1903.

Application filed March 26, 1901. Serial No. 52,961. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. WILSON, a subject of the King of Great Britain, and a resident of Birmingham, Warwickshire, England, have invented certain new and useful Improvements in Coin-Freed Mechanism, (for which I have applied for a patent in Great Britain, No. 21,014, dated November 21, 1900,) of which the following is a full, clear, and exact specification thereof.

I provide an article-retaining support in which the magazines are placed separately in a vertical position and prevented from withdrawal normally when the said article-retaining support is held in an elevated position. This article-retaining support is held in elevated position by a plurality of supporting-levers. These supporting-levers are pivoted intermediate their ends below the said article-retaining support in such a manner that their upper ends are normally in engagement with the said retaining-support and their lower ends are slightly above and in vertical alignment with a plurality of coin-retaining recesses in a push-rod. The number of coin-retaining recesses in each push-rod corresponds to the number of supporting-levers, and each coin-retaining recess is of less depth than the diameter of a proper coin required to operate the supporting-lever opposite to it when the push-rod may be reciprocated. I employ a corresponding number of slots and coin-chutes to the number of coin-recesses, and each coin-chute is adapted to lead a coin to each recess. Any one or all of the said supporting-levers are sufficient to hold the aforesaid article-retaining support in its normal elevated position; but when the proper number of coins of the right size have been inserted in the proper slots and have fallen down the coin-chutes, each to the coin-retaining recess in the push-rod adapted for it, and when the push-rod is operated each coin will operate its corresponding supporting-lever, and all the supporting-levers being operated the article-retaining support is released, so as to allow the magazine or other article to be removed.

Referring to the annexed drawings, Figure 1 is a sectional side elevation of my invention; Fig. 2, a front elevation of the same; Fig.

3, a front elevation of section of my machine, showing modification.

The magazines, catalogues, or the like *a* are contained in the casing *b*, having a receptacle adapted to the size of the magazine in height and length. The magazines are separately held against removal by means of the U-shaped wires *c*, surrounding the only exposed part of each magazine—namely, the front edge of it—and preventing its withdrawal from the receptacle thereby. These wires *c* are connected to the support *c'*, which is supported by levers *d* at right angles and hinged at *e* to the floor-piece *e'*. The coins are placed into the slots *f* and fall into the pushes *g* (there being a slot and push-piece provided for each magazine) and are retained therein by recesses. After the insertion of the coin the push-piece on which it falls is operated. The coin is then carried forward, and coming in contact with the lower end of the corresponding lever *d* will move it on its pivot, thus withdrawing the support from the corresponding pivoted support *c'*, which, together with the attached wires *c*, will drop by reason of their own weight from around the magazine into that portion of the casing immediately beneath the receptacle for the magazines or other articles. The magazine or the like will then rest upon the front of the casing, and the floor-piece *e'* and the improved retaining appliances or wires having been withdrawn may be removed by hand from its receptacle.

Referring to Fig. 3, in this case I provide a means for retailing a magazine the price of which cannot be paid with one coin. I also provide a corresponding number of levers *d* for each magazine, so that until the whole of the coins constituting the price of the magazine have been inserted and a push-piece operated the wires *c* and pivoted support *c'* will not fall. The pushes *g* and levers *d* may be returned to their initial positions by means of springs *h* and *i*. The recoil of the spring *h* back to its original position may release the coin or coins from their position in the recesses of the push-piece; but in the event of the coin or any of the coins not being so removed after the delivery of the article, as each set of the improved appliances

or wires only retain one refill, the attendant would remove the same on refilling.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a check-controlled vending-machine, a pivoted article-retaining support normally held in elevated position, a plurality of supporting-levers pivoted intermediate their ends below said support, their upper ends being normally in engagement with said article-retaining support, whereby the latter is held in elevated position by any one or all of said supporting-levers, a push-rod provided with a plurality of coin-retaining recesses of less depth than the diameter of a proper coin, a

plurality of coin-chutes adapted to lead a coin to each of said recesses; said recesses being in vertical alinement with, but slightly below, the lower ends of said supporting-levers, whereby when a coin is located within each of said recesses and said push-rod is reciprocated, said supporting-levers will be operated to release said article-retaining support.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of February, 1901.

WLLM. J. WILSON.

Witnesses:

BENJAMIN CLARK,
WILLIAM JOHN WEEKS.