(No Model.)

M. ANDERSON.

CASH RECEIVER.

No. 605,561. Patented June 14, 1898.

Fig. 1.

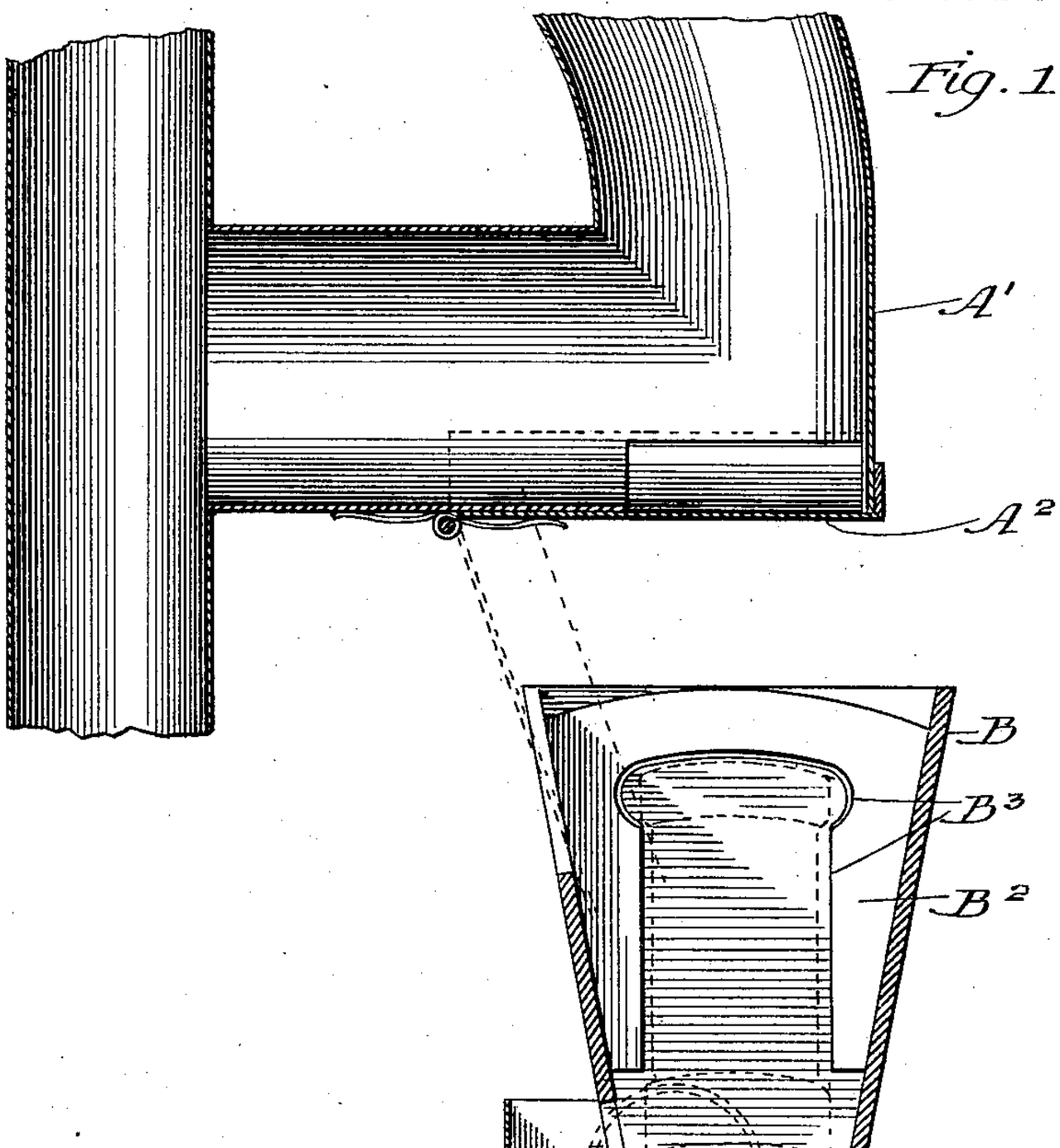
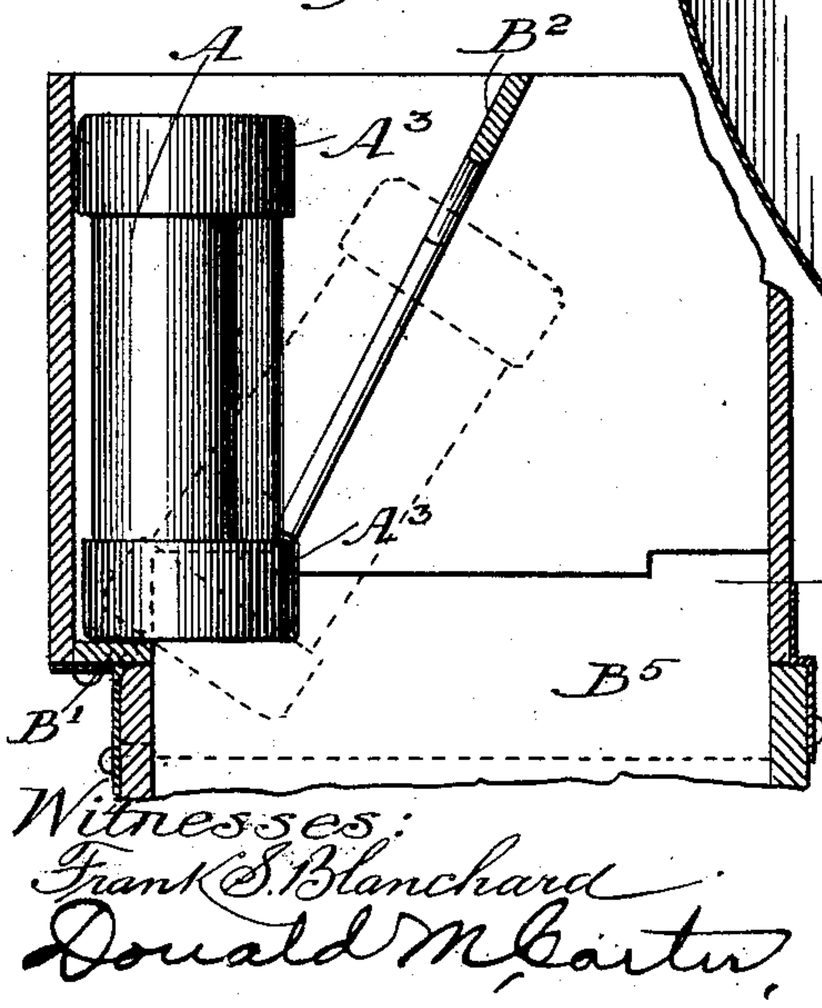


Fig. 2.



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MAURICE ANDERSON, OF CHICAGO, ILLINOIS.

CASH-RECEIVER.

SPECIFICATION forming part of Letters Patent No. 605,561, dated June 14, 1898.

Application filed February 20, 1897. Serial No. 624,426. (No model.)

To all whom it may concern:

Be it known that I, MAURICE ANDERSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cash-Receivers, of which the following is a specification.

My invention relates to cash-receivers, and has for its object to provide a new and improved cash-receiver, of which the following is a description, reference being had to the accompanying drawings, wherein—

Figure 1 is a section through a cash-receiver embodying my invention, the receiver associated with the delivery-pipe. Fig. 2 is a section through a portion of the cash-receiver on a plane substantially at right angles to the section shown in Fig. 1.

Like letters refer to like parts throughout both figures.

My cash-receiver is adapted to be used in connection with cash systems whereby the cash and change are delivered to and from the cashier by means of tubes or the like—in other words, with a pneumatic-delivery system. It has been customary heretofore for the cashier, for example, to receive the boxes containing the money of the purchasers in a basket or the like. When this is done, the boxes become mixed and the box last received is on top and is sent back first. The result of this is that the customer last waited upon is the first to receive his change. It is one of the objects of my invention to obviate this evil and to so construct the cash-receiver that the customer first waited on is the first one to receive his change.

As illustrated in Fig. 1, the cash-box A is received through the pipe A′, being forced therethrough by means of compressed air or the like. This cash-box strikes against the door A^2, which is of any desired construction, and opens said door, the cash-box dropping into the receiver or cash-box receptacle B. The receiver is provided with some suitable position-changing device. As illustrated in the drawings, these cash-boxes are received endwise in the receiving-box, the ends striking against the projection or arresting device B′. The receiving-box is provided with the partition B^2, preferably inclined and provided with the opening B^3. I prefer to have this partition so positioned that a portion of the cash-box projects through said opening when the cash-box is in engagement with the projection B′. The means for changing the position of the cash-box, comprising this projection, may be called a "position-changing device." In the drawings I have shown a particular construction of the position-changing device in order to make my invention clear; but I do not wish to be limited to this particular construction, as it is evident that other constructions may be used without departing from the spirit of my invention.

Each cash-box is provided with the enlarged ends A^3 A^3, made of felt or other suitable material, said ends acting as pistons when the boxes are in the tubes. The opening in the partition B^2 is formed with enlarged end openings for these enlarged portions of the cash-box. The middle portion of the opening through the partition is of such size that the ends of the box cannot pass therethrough. Hence if the end of the box strikes the opening in the partition it will move therealong until it comes opposite the enlarged part of the opening and will then pass through the partition. Below the receiving-box is the receptacle or chute C, into which the boxes pass, said boxes first falling upon the platform B^4. Opposite the platform B^4 is the opening B^5, through which the cash-boxes pass into the chute. This opening is enlarged at the ends, as at B^6, so as to allow the enlarged ends of the cash-box to pass therethrough and so as to prevent the cash-box from passing through said opening until the ends are opposite the enlarged portions B^6. This chute is provided with an opening at C^2 for the removal of the boxes and is preferably covered, as by means of the piece C^3, so that only one box or one box and a portion of the next box are exposed to view. This chute and the receiving-box connected thereto are fastened to the cashier's desk in any desired manner, as by means of the strip or piece C^4. I have only shown the stationary portion of the tube through which the boxes pass, as what I have shown is sufficient to allow my invention to be clearly understood by those versed in the art.

I have described in detail the construction of the cash-receiver; but it is of course evident that the several parts may be varied in form, construction, and arrangement without departing from the spirit of my invention, and I therefore do not wish to be limited to the construction shown.

My construction allows the dimensions of the cash-receiving box to be reduced to a minimum. This is a very important feature from the fact that a series of these cash-receiving boxes are placed side by side on the cashier's desk, and thus if the dimensions are not reduced to a minimum they extend over a very large space and are also more difficult to reach by the cashier. My construction allows more of these boxes to be handled by the same cashier than has been heretofore possible with the constructions now in use.

The use and operation of my invention are as follows: The cash-receivers may be placed at any place where the boxes are received—as, for example, on the cashier's desk. When a cash-box is received into the receiving-box B, its end strikes upon the projection or arresting device B′, as shown in Fig. 2. The box is unbalanced in this position and falls through the opening B^3 in the partition B^2. The box then drops upon the platform B^4 and passes into the chute C. It will be noticed that the position of the box is changed by this operation, or, in other words, that although the cash-box enters the receiving-box B endwise it passes into the chute C^3 on its side and thereby takes up much less space. It will also be noticed that the first box received passes down and is the first box to be taken from the opening C^2, as none of the other boxes can be removed until the first box is taken out. It will also be noticed that by the construction herein shown the dimensions of the cash-receiver are reduced to a minimun. If the ends A^3 of the cash-box become worn, so that they can pass through the opening in the partition between its enlarged ends, the box in all probability will not enter the chute C in the proper position, and hence my receiver acts to indicate when the ends of the box should be renewed, for if the boxes are used when the ends become worn a great loss occurs, due to the fact that the air in the tubes passes by the boxes without being utilized to carry them along the tube. The platform B^4 acts to guide the cash-box and cause it to enter the chute straight or in the proper position.

I claim—

1. A cash-receiver comprising a cash-box receptacle, a chute connected therewith, said cash-box receptacle provided with a projecting part which engages the end of the cash-box, a partition extending across said cash-box receptacle, an opening through said partition, said partition and projection so positioned that the cash-box passes through the opening in the partition so as to enter the chute upon its side.

2. A cash-receiver comprising a cash-box receptacle, provided with a projecting part adapted to engage the end of the cash-box, an inclined partition extending across said cash-box receptacle and having an opening therethrough, said partition so positioned that the lower end of the cash-box enters said opening when the box engages said projection, said projection so positioned that the box is unbalanced when resting thereon, a chute below said cash-box receptacle, the whole so constructed that the cash-box is received in one position and delivered into the chute in another position.

3. A cash-receiver comprising a cash-box receptacle, a projecting part in said cash-box receptacle adapted to engage the end of the cash-box, a partition extending across said cash-box receptacle, and provided with an opening for said cash-box, a chute connected with said cash-box receptacle and provided with a discharge-opening, said cash-box receptacle so constructed and positioned as to receive the cash-box endwise and discharge it sidewise into said chute whereby the first cash-box received is the first one to be delivered.

4. A cash-receiver comprising a cash-box receptacle, a projecting part on said cash-box receptacle adapted to engage the end of the cash-box, a partition extending across said cash-box receptacle and provided with an opening for said cash-box, said opening being enlarged at the ends so as to allow the enlarged ends of the box to pass therethrough, a platform beneath said cash-box receptacle, an opening opposite said platform, a chute connected with said opening and adapted to receive the cash-box, said chute provided at its lower end with an opening so that the cash-box may be removed therefrom.

5. A cash-receiver comprising a cash-box receptacle, a projecting part on said cash-box receptacle adapted to engage the end of the cash-box, a partition extending across said cash-box receptacle and provided with an opening for said cash-box, said opening being enlarged at the ends so as to allow the enlarged ends of the box to pass therethrough, a platform beneath said cash-box receptacle, an opening opposite said platform, said opening enlarged at each end so as to allow the enlarged ends of the box to pass therethrough, a chute connected with said cash-box receptacle, and having a receiving end opposite said opening, the parts so constructed that the cash-box is received endwise into the cash-box receptacle and is then changed in position so as to enter the chute upon its side.

6. A cash-receiver provided with a receiving and a discharge opening, the receiving-opening constructed so as to receive the cash-box on end, a position-changing device for changing the position of the cash-box so that it arrives at the discharge-opening on its side, said position-changing device comprising an arresting or checking device between the receiving and discharge openings, and a receiving-platform upon which the cash-box is received before passing through said discharge-opening.

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