

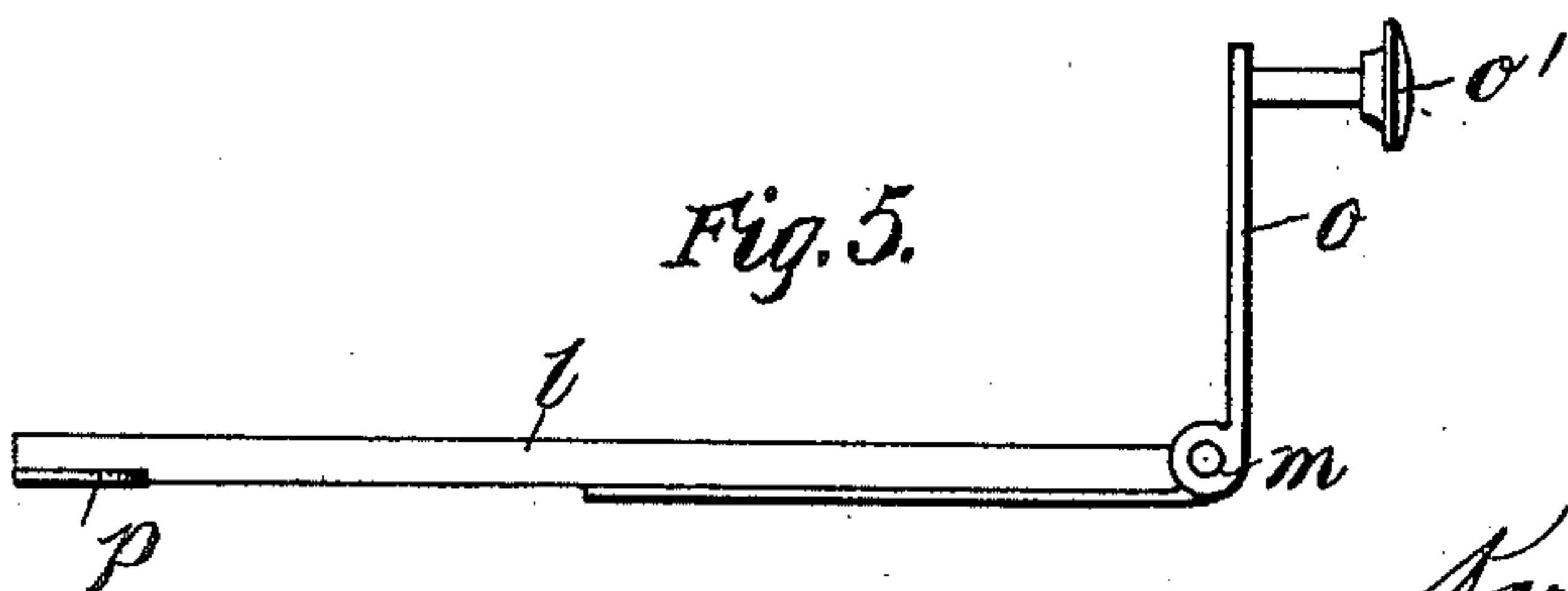
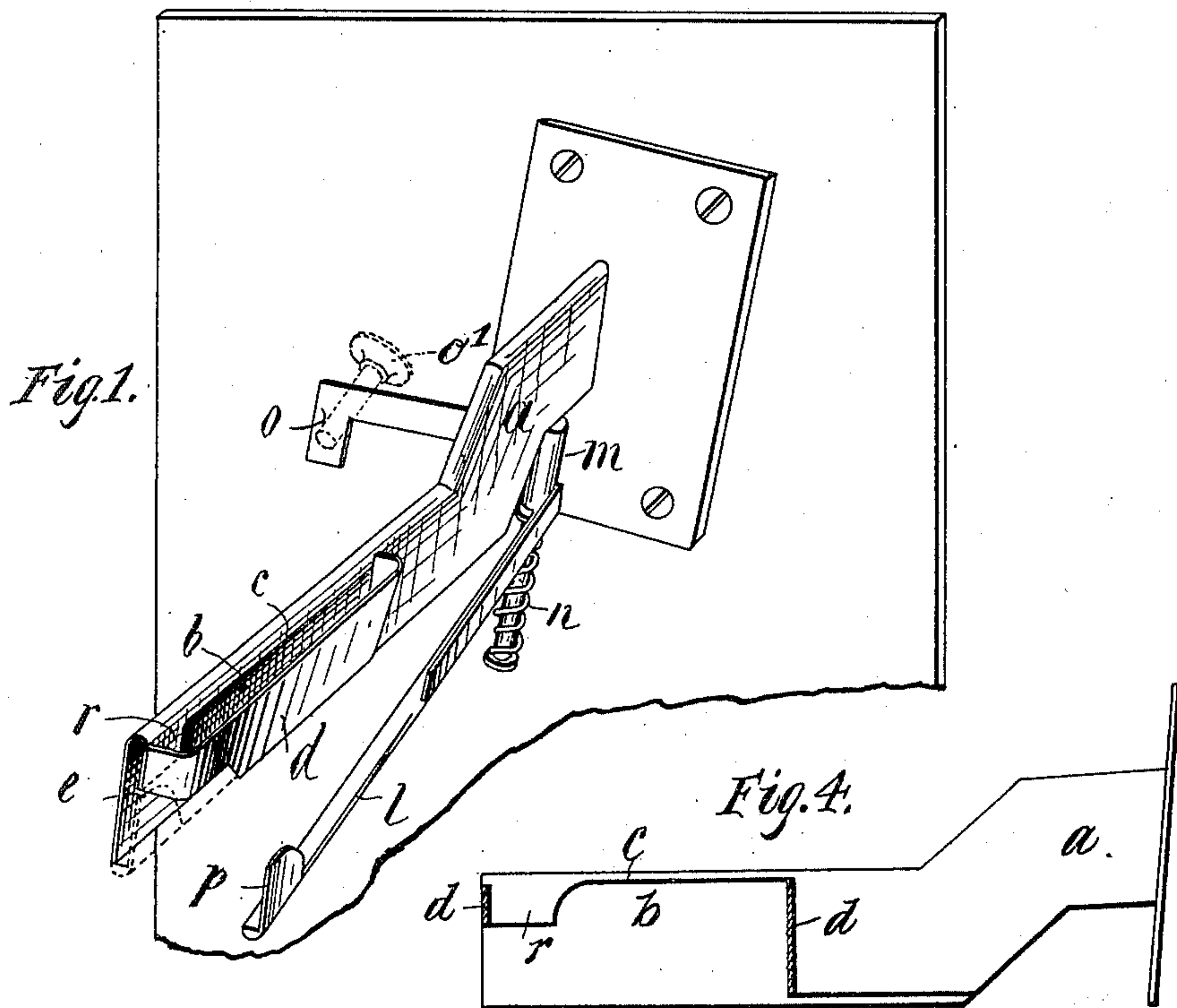
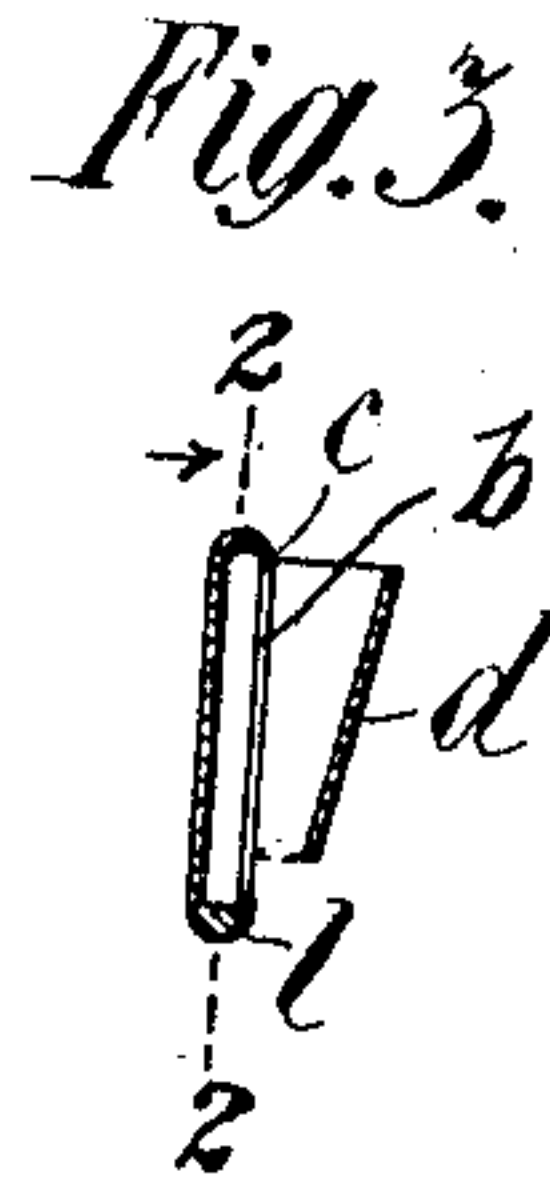
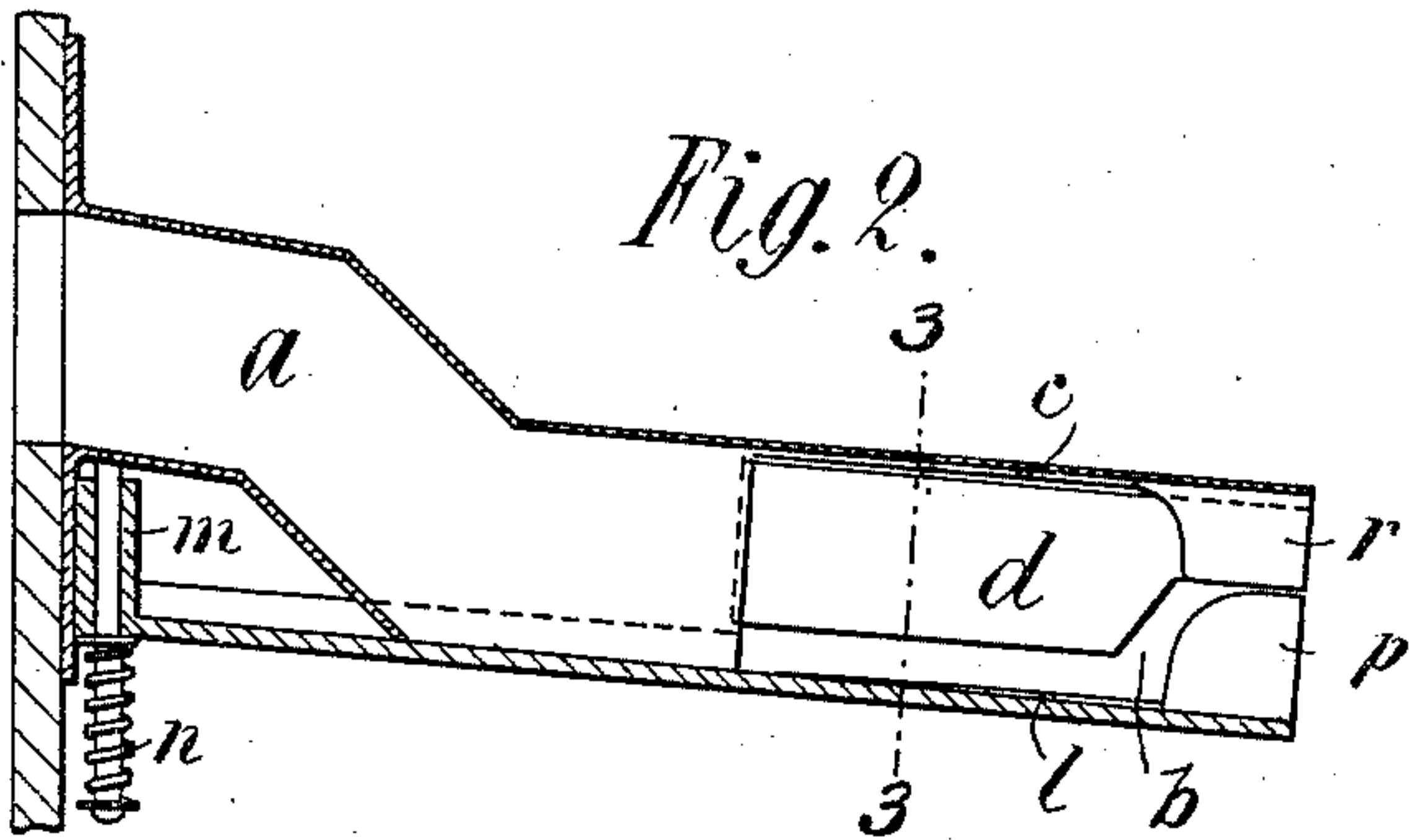
No. 688,211.

Patented Dec. 3, 1901.

K. UCHERMANN.
COIN CHUTE.

(Application filed Dec. 21, 1900.)

(No Model.)



Witnesses:
Attest
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Att'y

UNITED STATES PATENT OFFICE.

KARL UCHERMANN, OF CHRISTIANIA, NORWAY.

COIN-CHUTE.

SPECIFICATION forming part of Letters Patent No. 688,211, dated December 3, 1901:

Application filed December 21, 1900. Serial No. 40,673. (No model.)

To all whom it may concern:

Be it known that I, KARL UCHERMANN, a subject of the King of Sweden and Norway, residing at Christiania, Norway, have invented certain new and useful Improvements in Coin-Chutes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to coin-chutes used in coin-freed apparatus, and has for its object a device for testing the coins inserted in the chute and for returning such coins as are either too small or bent or otherwise counterfeit.

The object of my invention is to provide a coin trap or catching device designed to positively stop such deficient coins and at the same time permit their being readily released, so that they may be returned.

I provide the coin-chute with a movable bottom, pivoted so as to swing in the plane of the chute-bottom, and thus to be removed simultaneously from both side walls of the coin-chute, whereby any coin resting upon said bottom will drop down.

Referring to the drawings, in which like parts are similarly designated, Figure 1 is a perspective view of a coin-chute; Fig. 2, a vertical longitudinal section taken on line 2 2 of Fig. 3 looking in the direction of the arrow; Fig. 3, a cross-section on line 3 3 of Fig. 2; Fig. 4, a side view showing the plate *d* cut away, so as to more clearly show the cut-away portion *b*; and Fig. 5 is a plan view of the pivoted bottom and operating-lever.

a is a coin-chute provided with a pivoted bottom *l*, arranged according to my invention and represented in the position occupied when turned on its pivot *m* away from the coin-chute, *n* being a spring which tends to hold the bottom in its normal position, (indicated by dotted lines.)

o is a lever connected with a pusher rod or handle *o'*, by means of which the bottom may be swung laterally. I make use of a slot *b*, as in similar devices hitherto in use, and said slot extends nearly as far as the bottom of

the coin-chute, the coin being confined at the forward end by a flap *p*, provided upon the bottom piece *l*. Any coins intercepted in the trap will be confined between said flap and the flap *r*.

e is the opening at the end of the coin-chute for the exit of current coins.

It will be observed that the coin-chute is placed at an angle, so that a coin in rolling through it will not be vertical, but slightly inclined toward the wall provided with the slot or cut-away portion *b* and if not of the required size will pass through this and be guided by the plate *d*, the coin still being able to roll on the pivoted bottom *l* until it reaches the end wall of the part *d*, which prevents it from dropping out of the chute. The coin is then held between the flap *r* on the chute and the one *p* on the pivoted bottom. If the coin is of the proper size, that portion *c* of the wall of the chute that has not been cut away will retain it therein, so that it will fall from the end *e* of the chute.

I claim—

1. In a device of the class described, an inclined stationary coin-chute having one wall cut away for a portion of its length, a flap at the end of said chute forming part of the wall that has the cut-away portion, a guard-plate beyond said wall at the cut-away portion and a pivoted bottom for the chute, for the purpose specified.

2. In a device for testing and stopping counterfeit coins in the coin-chute of a coin-freed apparatus and for returning the same, the combination with the stationary side wall of a coin-chute of another stationary side wall being cut away, so that there remains but a flap at the upper foremost end of the chute of this stationary side wall, and a guard outside of said slot and a movable bottom pivoted to swing laterally in its own plane and being provided at its foremost end with a flap, which forms part of the aforesaid chute-wall below the said stationary flap.

3. In a device of the class described, a coin-chute having a cut-away portion in one of its walls, said chute inclined to constrain coins to move along said wall, a guard-plate beyond and secured at its ends to said wall to guide coins not of the proper size out of the chute and retain them, and a bottom movable from

under said chute and plate, for the purpose specified.

4. In a device of the class described, a coin-chute having a cut-away portion in one of its
5 walls near the delivery end, said chute inclined to constrain coins to move along said wall, a guard-plate beyond the cut-away portion and secured at its ends to said wall, a flap formed on said wall, a spring-retained bottom
16 for said chute, a flap thereon opposite the one

on the coin-chute wall and means for moving the bottom of the chute to drop a coin that has been retained, for the purpose specified.

In witness whereof I have hereunto set my hand in presence of two witnesses.

KARL UCHERMANN:

Witnesses:

ALFRED J. BRYN,
AUG. OLSEN.