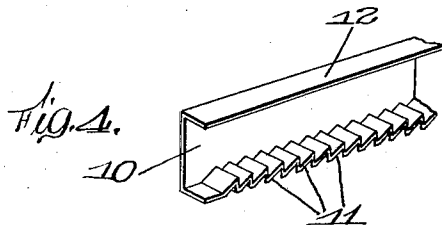
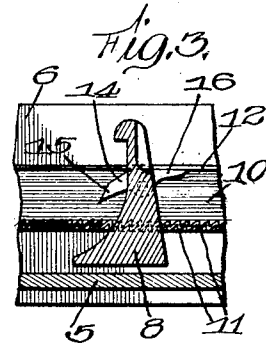
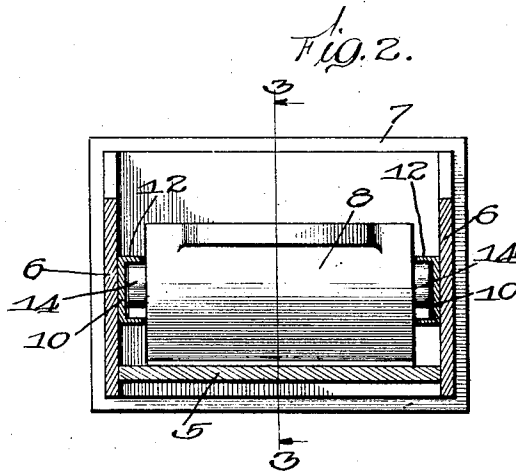
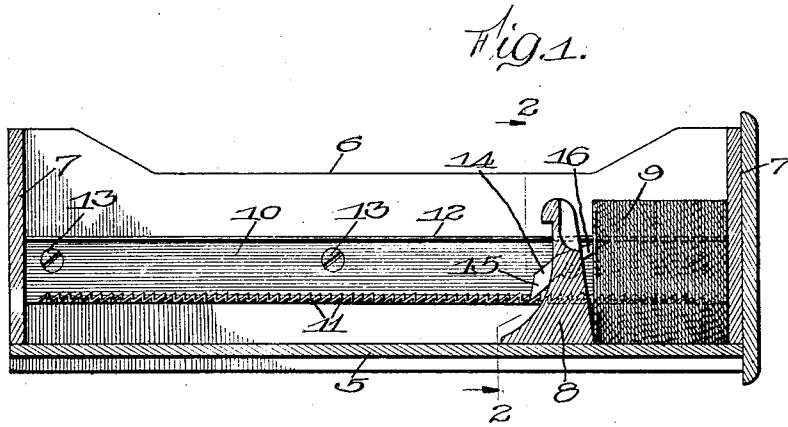


E. M. OLSON.
CARD INDEX DRAWER.
APPLICATION FILED FEB. 20, 1908.

904,638.

Patented Nov. 24, 1908.



Witnesses:
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UNITED STATES PATENT OFFICE.

EMIL M. OLSON, OF CHICAGO, ILLINOIS.

CARD-INDEX DRAWER.

No. 904,638.

Specification of Letters Patent.

Patented Nov. 24, 1908.

Application filed February 20, 1908. Serial No. 416,868.

To all whom it may concern:

Be it known that I, EMIL M. OLSON, 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 Card-Index Drawers, of which the following is a specification.

This invention relates to improvements in card index drawers or document holders and it has for one of its objects to provide an improved means for locking the follower or block at any desired position to hold the cards or other articles in position within the drawer.

A further object is to provide improved means whereby the adjustment of the follower or block will release the locking means to permit the block to be adjusted to release the cards or articles.

A further object is to provide an improved device of this character which shall be cheap and durable in construction and effective and efficient in operation.

To the attainment of these ends and the accomplishment of other new and useful objects as will appear, the invention consists in the features of novelty in the construction, combination and arrangement of the several parts hereinafter more fully described and claimed and shown in the accompanying drawing illustrating the embodiment of the invention, and in which—

Figure 1 is a longitudinal sectional view of an improved device of this character constructed in accordance with the principles of this invention. Fig. 2 is a detail sectional view on line 2—2 of Fig. 1. Fig. 3 is a sectional view on line 3—3 of Fig. 2. Fig. 4 is a detail perspective view of one of the guides or ways in which the locking pawl is adapted to move and showing the rack with which the pawl cooperates to lock the follower block in position.

Referring more particularly to the drawing and in the present exemplification of the invention, the drawer or holder comprises a bottom 5, sides 6 and ends 7. This drawer or holder may be of any desired size and configuration and constructed of any suitable material, and movable therein is the ordinary follower block 8, which is adapted to hold the cards 9 clamped against one of the end members when the follower is adjusted and locked in position.

Secured to the sides 6 and extending longitudinally thereof are members 10 which

extend longitudinally thereof and may be constructed of any suitable material, preferably metal. One edge of each of the members 10 is bent to form a laterally projecting flange which is shaped to form a series of ratchet teeth 11 and the other edge of the member 10 is bent to form a laterally projecting flange 12 which extends over the ratchet teeth 11 and is spaced therefrom to form a guide or way extending substantially the entire length of the drawer or holder. These members 10 may be secured in position in any desired or suitable manner preferably by means of fastening devices 13, which pass through the body portion of the member 10 between the flanges thereof and into the respective sides 6 and these members are so arranged that the respective flanges thereof will extend towards the inside of the drawer.

Pivotal secured to each of the extremities of the follower block 8, preferably intermediate its upper and lower edges thereof, is a dog or pawl 14 and these dogs or pawls are adapted to stand within the guides or ways formed by the members 10 when the follower block 8 is in position. The extremity 15 of the dog or pawl is adapted to rest and move upon the ratchet teeth 11 when the follower 8 is advanced and to engage the teeth to lock the follower against retrograde movement when the latter has assumed the desired position. The other extremity 16 of the dog or pawl is adapted to assume a position in proximity to the flange 12 of the member when the extremity 15 is in engagement with one of the teeth of the ratchet 11.

When it is desired to unlock the follower 8 to release the cards 9, the follower may be raised or moved in a direction transverse to the direction of movement thereof in the holder when locking or releasing the cards, and as the follower is thus moved or raised the extremity 16 of the dog or pawl 14 will engage the flange 12 and a further raising movement of the follower 8 will cause a dog or pawl to be rocked about its point of pivotal support to release the extremity 15 from the ratchet teeth 11 and when in this position the follower 8 may be moved back and forth in the drawer or holder, the flange 12 serving as a guide against which the pawl moves and this guide also serves to hold the extremity 15 of the dog or pawl out of engagement with the ratchet teeth 11.

With this improved construction it will be apparent that the cards 9 may be placed within the drawer or holder and the follower block 8 may be moved upon the bottom 5 to clamp the cards in position and when it is desired to release the cards all that is necessary is to bodily raise the follower block to unlock the same after which the follower may be moved to the desired position. The extremity 15 of the dog or pawl is preferably heavier than the extremity 16 to cause the pawl to be held in engagement with the ratchet teeth 11 by means of gravity.

15 In order that the invention might be fully understood the details of an embodiment thereof have been specifically described but

What I claim as new is—

- 20 1. In combination in a document holder, a follower, a lock for the follower, and means adapted to be engaged by the lock to release the follower when the said follower is raised.
- 25 2. In combination in a document holder, a follower, a pawl pivotally supported by the follower, means cooperating with the pawl for locking the follower in position, and means adapted to be engaged by the
- 30 pawl to trip the latter when the follower is raised.
- 35 3. In combination in a document holder, a follower adjustable therein, a pawl pivotally supported by the follower, a rack cooperating with the pawl to lock the follower in its adjusted position, and a guide spaced from the rack, said guide being adapted to trip the pawl when the follower is raised

and maintain the pawl out of engagement with the rack while the follower is raised 40 to permit a free adjustment of the follower.

4. In combination in a document holder, a follower adjustable therein, a pawl pivotally supported by the follower, means cooperating with the pawl for locking the 45 follower in an adjusted position, and a guide, said pawl being provided with a projecting portion adapted to engage the guide to cause the pawl to assume an inactive position when the follower is raised and said 50 portion being also adapted to be moved along the guide as the follower is moved to maintain the pawl in an inactive position.

5. In combination in a document holder, a follower adjustable longitudinally therein, 55 a gravity pawl supported by the follower, a rack adapted to be engaged by one extremity of the pawl for locking the follower, and a guide arranged within the path of movement of the other end of the pawl when 60 the follower is adjusted in a direction transverse to its longitudinal adjustment to cause the pawl to disengage the rack to release the follower and to maintain the pawl out of engagement with the rack when the follower 65 is in such a position to permit a free longitudinal adjustment of the follower.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 15th day 70 of February A. D. 1908.

EMIL M. OLSON.

Witnesses:

J. H. JOCHUM, Jr.,
M. W. CANTWELL.