No. 701,752. Patented June 3, 1902.

A. H. MILLER.

CARD INDEX FILING TRAY.

(Application filed Aug. 23, 1901.)

(No Model.)

Fig. 1.

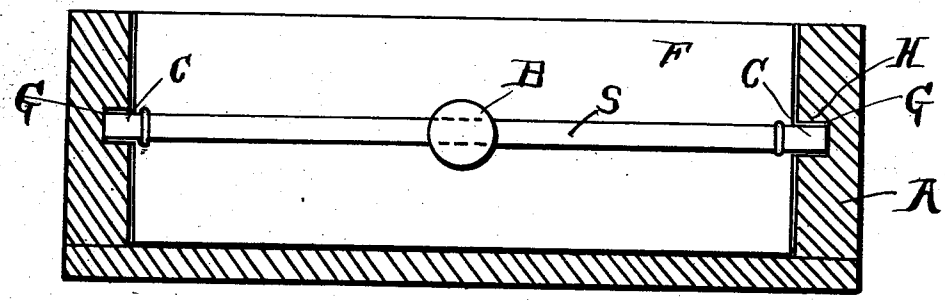


Fig. 2.

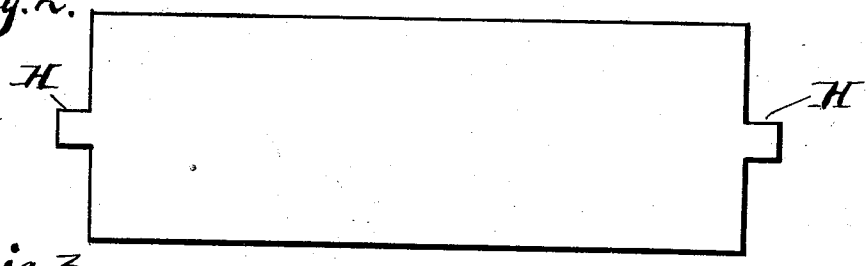


Fig 3

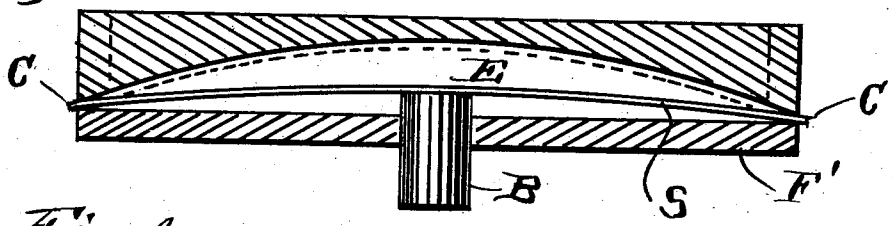
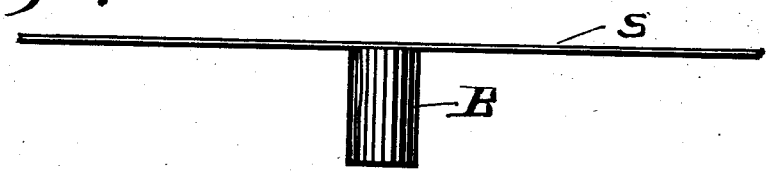


Fig. 4



WITNESSES

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ADAM H. MILLER, OF MUSKEGON, MICHIGAN, ASSIGNOR TO THE SHAW WALKER COMPANY, OF MUSKEGON, MICHIGAN.

CARD-INDEX-FILING TRAY.

SPECIFICATION forming part of Letters Patent No. 701,752, dated June 3, 1902.

Application filed August 23, 1901. Serial No. 73,039. (No model.)

To all whom it may concern:

Be it known that I, ADAM H. MILLER, a citizen of the United States, residing at Muskegon, in the county of Muskegon and State of Michigan, have invented new and useful Improvements in Card-Index-Filing Trays, of which the following is a specification.

This invention relates to certain new and useful improvements in card-index-filing trays; and the objects of my invention are, first, to furnish a cheap and efficient method for locking and retaining the follower which moves in the tray in any required position; second, to combine a spring with the follower for the purpose of locking the tray in position in such a manner that it will engage with the perpendicular side walls of the tray; third, to dispense with rods and ways in the bottom of the tray; fourth, to entirely conceal the spring within the follower. These objects I accomplish by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 shows a transverse sectional view of an index-filing tray just at one side of the follower. Fig. 2 shows a side elevation of the follower detached from the tray. Fig. 3 shows a sectional view. Fig. 4 shows a detached view of the spring with a push-button attached thereto.

Similar letters refer to similar parts throughout the several views.

A represents the tray. This tray is provided in its side walls with the grooves G G.

F represents the follower, which is of suitable size to fit the tray and is provided at either end with the tongues H. The tongues H fit into the grooves G G, as shown in Fig. 1. These tongues are of such size as to allow the free movement of the follower.

S is a spring which extends across the follower, and when in this position the ends C C project beyond the tongues H H, so as to engage with the side walls of the tray at the bottom of the grooves. The spring S is provided with the push-button B, of any suitable form. The follower F is cut out, leaving an open space for the depression of the spring S. This open space is shown in Fig. 3 by E. The follower is preferably made in two pieces F and F′. The part F′ entirely conceals the spring S and the grooved or cut-away portion E. The spring S may be made of any suitable form, provided it is so constructed and connected to the follower that in its normal position its projecting ends C C will engage with the tray.

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

In combination, a tray having the inner face of its side walls provided with grooves, a follower, a tongue extending from each side of the follower and engaging in the grooves, a spring mounted within the follower and extending from each side thereof and engaging in the grooves for locking the follower in position, and means carried by the spring and projecting through the back of the follower and adapted when operating to release the spring thereby releasing the follower.

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

ADAM H. MILLER.

Witnesses:
CLAUDE A. VAN ZANTEN,
ALEXANDER VAN ZANTEN.