

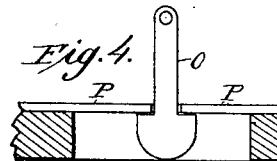
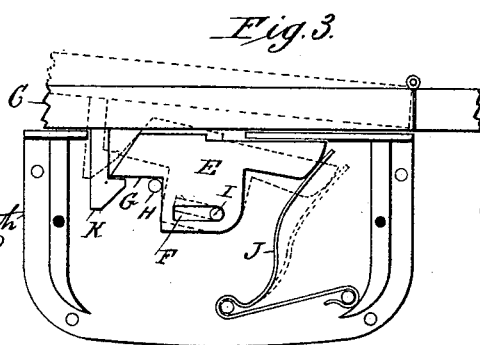
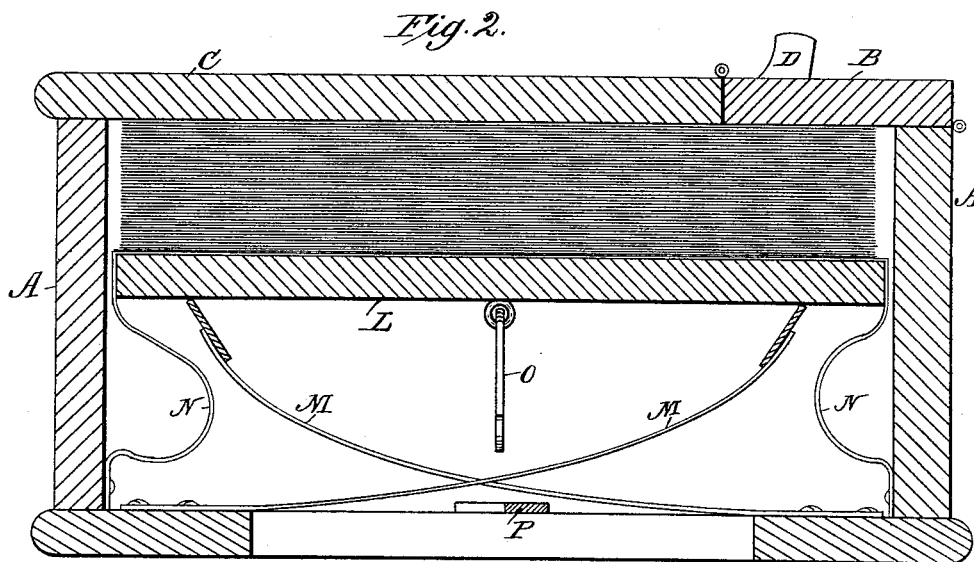
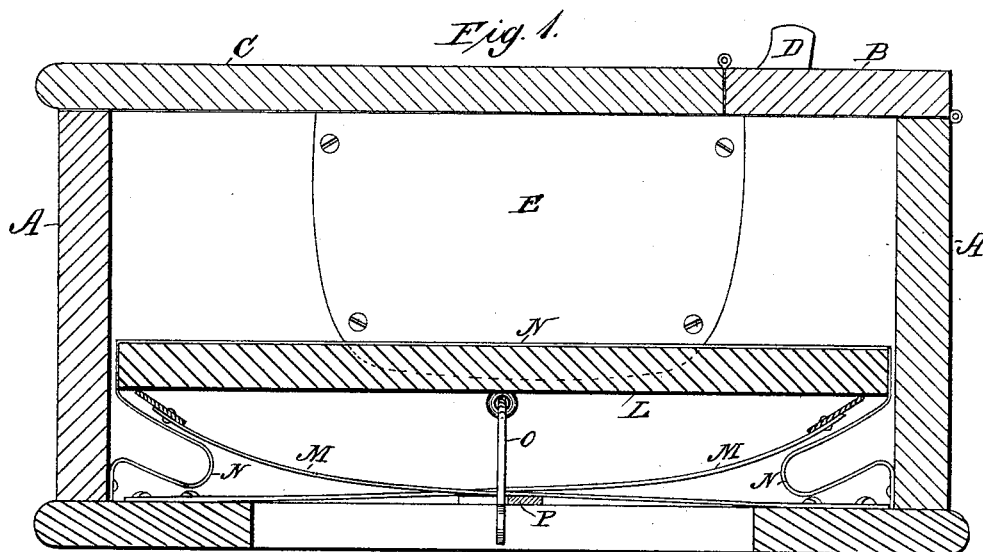
(No Model.)

W. BOYCE.

PHOTOGRAPHIC PAPER BOX.

No. 346,353.

Patented July 27, 1886.



WITNESSES:
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UNITED STATES PATENT OFFICE.

WASHINGTON BOYCE, OF DANVILLE, ILLINOIS.

PHOTOGRAPHIC-PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 346,353, dated July 27, 1886.

Application filed July 9, 1885. Serial No. 171,151. (No model.)

To all whom it may concern:

Be it known that I, WASHINGTON BOYCE, a citizen of the United States, residing at Danville, in the county of Vermilion and State of Illinois, have invented a new and useful Improvement in Photographic-Paper Boxes, of which the following is a description.

This invention relates to that class of photographic-paper boxes which are designed to hold and protect from the light sensitized photographic paper; and its object is to provide means whereby all the paper in the box may be constantly pressed toward the top or mouth thereof, whereby the paper may be retained in the box when the latter is opened, and means whereby the box may be arranged to readily receive the paper.

To this end my invention consists in the construction and combination of parts herein-after described, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal vertical section of a box according to my invention in position to be filled. Fig. 2 is a longitudinal vertical section of the same box partly filled with paper and ready for service. Fig. 3 is an interior view of one of the locks and a portion of a lid shown in different positions. Fig. 4 is a detail view of the detent.

A represents the body of the box, which is wholly open at the top, where the paper may be inserted or removed, and has a central aperture in its bottom, through which some of the inner parts may be approached. The lid of the box is made in two portions, B and C. The rear portion, B, is hinged at its back edge to the upper edge of the box, to close down thereon and to be held by hooks D, one at each side. The forward portion, C, is hinged to the forward edge of the portion B, to close down upon the box and to swing over backward.

E is a locking-bolt, which I have adapted to hold the lid C down closely upon the box with sufficient force to exclude light always, even though the wood of the box should shrink after a time, and yet permit the lid to be quickly opened and closed without stopping to unfasten any catch. To this end the bolt E is longitudinally slotted at F, and provided with a bearing, G, parallel with the line of the said slot, and mounted on two fixed studs

or pins, H I. A spring, J, impels the bolt forward, and as it bears on the bolt above the stud I, when the rear end of the slot strikes that stud the forward action of the spring causes a downward movement of the forward end of the bolt, turning upon the said stud as a pivot until it rests on the other stud, H.

K is a hook depending from the lid to engage the bolt, the latter being wedge-shaped on its upper side, to be crowded back by the entering hook. When the lid is pressed closely down, the bolt will engage the hook and hold the lid. If the lid be raised a little and left free, the bolt will quickly close it; but if the motion of raising be continued the bolt will be raised and disengaged from the hook, so that the lid may at any time be opened wide without any appreciable obstacle.

L is a false bottom, provided with springs M, which impel it toward the top of the box, making of the bottom a follower to hold whatever amount of paper there is in the box up against the lids. When the forward lid is raised to remove a sheet of paper, the rear lid remains closed, to prevent the springs from throwing the paper out of the box.

N is a tape secured to the box and to both ends of the follower as a tether therefor, to prevent it from being thrown out of the box by the springs.

O is a T-shaped link depending from the follower, adapted to engage a notched bar, P, thereby serving as a temporary detent for the follower, to hold it down while the box is being filled with paper. There may be any suitable number of springs M. There should be a tape N at each of the four corners of the follower; and there should be a bolt E at each side of the box, and a hook K at each side of the lid, to be engaged thereby.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, with the box A, open at its top and having an aperture in its bottom, of a lid made in two parts, B and C, the first hinged to the box and the second hinged to the first, a false bottom, L, loosely fitted within the box, springs beneath the bottom, impelling it upward, and separate hooks for securing the two parts of the lid closed upon the box, one independently of the other, substantially as shown and described.

2. The combination of the box A, the hinged lid C thereon, provided with one or more hooks, K, the bolt E, having the slot F and bearing G, the fixed studs H I, and the spring J, bearing endwise upon the bolt above the stud I, substantially as shown and described.

3. The combination of the box A, having an open top and hinged lids therefor, the loosely-fitted follower-bottom L, springs beneath the bottom, impelling it upward, and the tapes N, secured at one end to the box, near its lower edge, and secured at a distance therefrom nearly equal to the height of the box to the said bottom L, substantially as shown and described.

4. The combination of a box having an aperture in its bottom, a loosely-fitted follower above the bottom, springs between the follower and bottom, pressing the follower upward, a T-headed link depending loosely from the follower, and a notched bar, P, secured to the bottom, substantially as shown and described.

5. The combination, with a box for holding

photographic paper, of a sectional lid, B C, the part B being hinged to the box and the part C being hinged to the part B, and a vertically-movable spring-pressed follower below said lid, whereby when the part C is raised the part B may be held closed, to prevent the follower from throwing the paper out of the box, substantially as set forth.

6. The combination, with a box for holding photographic paper, and its lid, of a hook or catch on the lid, a vertically and longitudinally movable bolt on the box adapted to engage said hook or catch, and a spring acting on the bolt to bear its engaging end downward and to return said bolt to its normal position, whereby the bolt will hold the lid tightly closed, and yet be readily disengaged from the hook or catch by an upward pressure on the free edge of the lid, substantially as set forth.

WASHINGTON BOYCE.

Witnesses:

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MACKAY BOON.