

J. GODDARD.
SLIDING CATCH.
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1,163,002.

Patented Dec. 7, 1915.

Fig. 1.

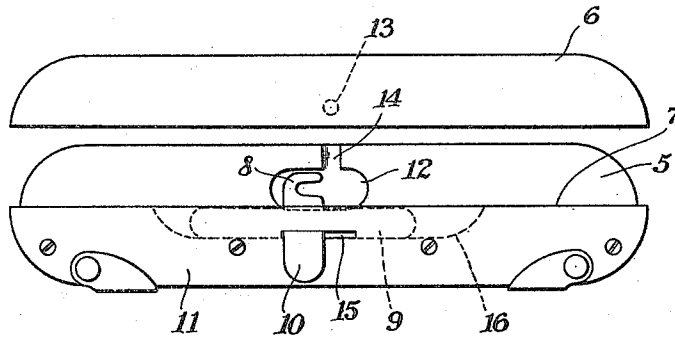


Fig. 2.

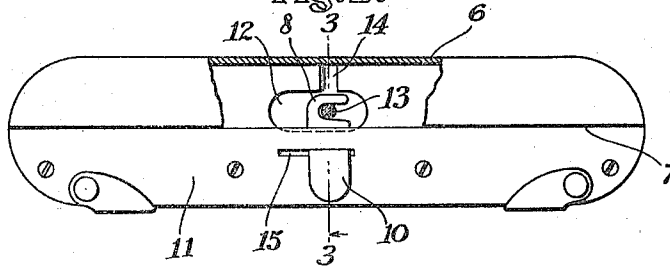


Fig. 3.

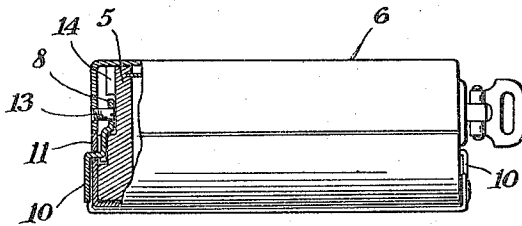
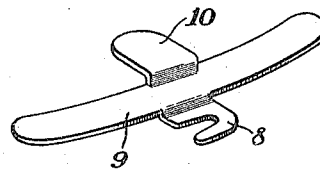


Fig. 4.



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SLIDING CATCH.

1,163,002.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH GODDARD, a citizen of the United States, and resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Sliding Catches, of which the following is a specification.

This invention relates to means, in the form of a sliding catch, for detachably securing in place the cover of a box or casing.

The object of the invention is to produce a sliding catch which shall be compact, secure, convenient to operate, inexpensive in construction, and neat in appearance, and the invention is designed particularly for application to such a box or casing as that of a folding camera, though it is obviously applicable to other structures of the same general character.

The invention consists in the construction and arrangement of parts hereinafter described, as it is defined in the appended claims.

In the accompanying drawings:—Figure 1 is a side-elevation of a box or casing provided with a catch embodying the present invention, the catch being shown in its disengaged position, and the cover removed and raised from the body of the box; Fig. 2 is a side-elevation, showing the cover in place and secured by the catch, with a part of the cover broken away to show the catch more fully; Fig. 3 is an end-elevation of the box, partly in section, on the line 3—3 in Fig. 2; and Fig. 4 is a perspective view of the sliding catch-member.

The invention is illustrated as applied to the casing of a folding camera, this camera being of a general form which is well known.

The casing of the camera comprises a body or box having side-walls 5 and a removable sheet-metal cover 6. The cover has side-members or lips which fit over the upper parts of the side-walls 5 of the box, and which are seated, at their lower edges, on shoulders 7 formed in the walls 5.

The sliding catch-member, as shown particularly in Fig. 4, is formed preferably of a single piece of sheet-metal comprising, integrally, a hook 8, an elongated body 9, and a finger-piece 10. The body 9 is arranged to slide longitudinally in a recess 16, which is formed in the outer surface of the side-wall 5, this recess forming a space between

the side-wall and a metal plate 11. The plate 11 is fixed to the side-wall, and constitutes a part of the box or body of the casing. The hook 8 projects upwardly into a space between the side-wall and the cover 6, this space being formed, preferably, by a recess 12 of appropriate form in the wall 5. The hook coöperates with a detent in the form of a pin 13, screwed into the lip of the cover 6 and projecting inwardly therefrom and into the recess 12. It will be understood that a pair of catches is used in connection with the cover, one at each side thereof. In order that the cover may be removed and replaced without interference between the detents 13 and the walls 5, vertical channels 14 extend upwardly from the recesses 12.

The finger-piece 10 of each catch is offset from the body 9, so that it may project through an elongated slot 15 in the corresponding plate 11, but the greater part of the finger-piece lies flat against the outer surface of the plate, so as not to have any substantial projection beyond the body of the casing. The body-portion 9 of the catch is preferably somewhat curved in its normal condition, as shown in Fig. 4. Owing to the elastic character of the sheet-metal this does not prevent it from lying straight between the wall 5 and the plate 11, but the resiliency of the metal causes it to press against these parts, so as to produce a friction which tends to retain the catch in either position to which it may be moved.

With the parts in the position of Fig. 1, the cover may be placed in position, and the catches are then slid, by manipulation of the finger-pieces 10, to the position of Fig. 2, wherein the cover is securely retained in place by engagement of the hooks 8 with the detents 13.

While the catch has been described as particularly applicable to a camera-casing, it will be apparent that it is not limited to such application, but may be used for various other purposes, and that the invention is not, in general, limited to the embodiment thereof hereinbefore described and illustrated in the accompanying drawings.

I claim:

1. A sliding catch, for use in connection with a box having a cover provided with a lip which overhangs the side-wall of the box, the catch comprising a plate adapted to be fixed to the said side-wall below said lip

and provided with a slot; a body which is arranged to slide between said wall and said plate; a hook which projects, from the body, into a space between said wall and said lip; a finger-piece which projects through the slot in said plate; and a detent projecting inwardly from said lip in position to cooperate with said hook.

and comprising an elongated body, a hook projecting from one edge of the body, and a finger-piece projecting from the opposite edge of the body, the finger-piece lying, for the most part, parallel with the plane of the body but offset therefrom at its junction therewith.

2. A sliding catch formed of sheet-metal

JOSEPH GODDARD.

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