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MAIL BOX SIGNAL

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Fig. 1.

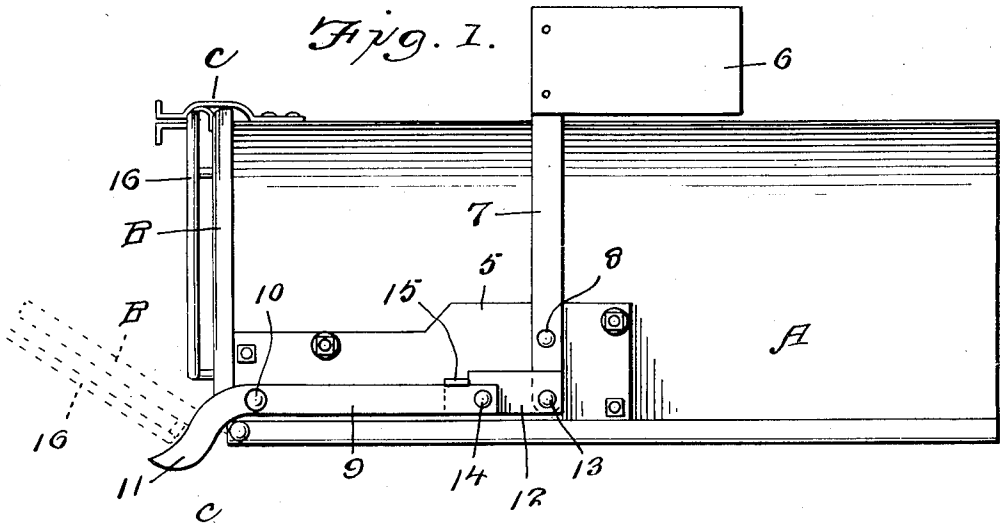


Fig. 2.

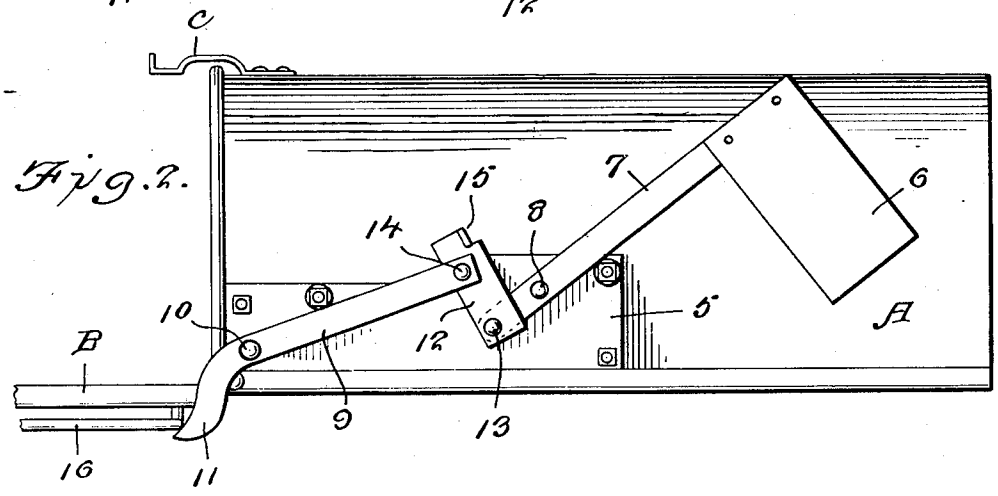


Fig. 3.

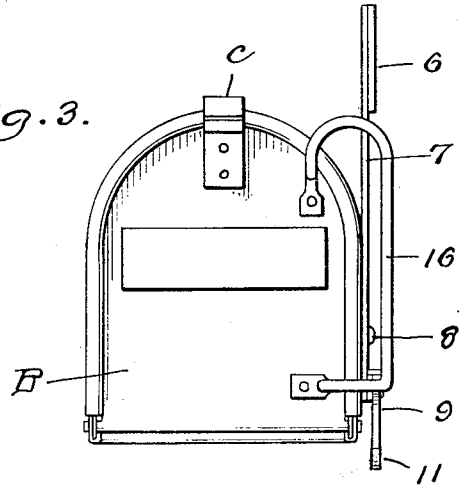
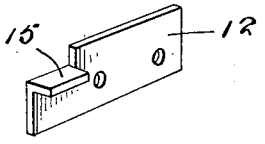


Fig. 4.



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MAIL BOX SIGNAL

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2 Claims. (Cl. 232—35)

The invention relates to an automatic signal and more especially to a mail box signal.

The primary object of the invention is the provision of a signal of this character wherein the same can be manually set for signaling purposes indicating that mail matter has been deposited within a mail box and on the opening of such box the said signal will be automatically lowered to non-signaling position, the signal being of novel construction and also mounted in a unique manner upon a mail box for use therewith in signaling the deposit of mail matter therein.

Another object of the invention is the provision of a signal of this character wherein the same is in the nature of a flag supported for movement to signaling and non-signaling position, the signal being manually set for signaling and automatically operated to lower or move the same from signaling position when the box is opened for the introduction or removal of mail matter to and from the same.

A further object of the invention is the provision of a signal of this character which is extremely simple in construction, reliable and efficient in its purpose, neat and attractive in appearance, thoroughly effective for signaling purposes, strong, durable, and inexpensive to manufacture and install.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention, and pointed out in the claims hereunto appended.

In the accompanying drawing:

Figure 1 is a side elevation of a mail box showing the signal constructed in accordance with the invention applied thereto and in signaling position, the door or lid of the box being shown by full lines in closed position and by dotted lines in partially open position for the automatic unsetting of the signal.

Figure 2 is a view similar to Figure 1 showing the door or lid of the mail box open with the signal in unset or non-signaling position.

Figure 3 is an end elevation of the mail box with the door or lid thereof in closed position.

Figure 4 is a perspective view of a connector adjunct of the signal.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally a mail box which may be of any standard construction having the end door or lid B which is hinged for vertically swinging movement to open or closed positions. The door B is latched closed by a spring keeper C.

On one side of the box A fastened in any suitable manner is a base plate 5 for the support of the signal constituting the present invention and comprising preferably a flag-like signaling head 6 made fast to a staff 7, this being swingingly supported upon a pivot 8 mounted in or formed on the base plate 5, while spaced from the staff 7 and next to the door end of the box A is an actuator trigger in the form of a lever 9 pivoted at 10 to the base plate and having a curved cam-like horn extension 11 which protrudes beyond the door end of the box A for a purpose presently described.

Between the staff 7 and the lever 9 is a connector in the form of a plate-like link 12 having the pivot union as at 13 and 14 respectively with the staff 7 and arm 9, the link being formed with a lip 15 cut and bent laterally therefrom for abutment and coaction with the lever 9.

When the signal is set to signaling position upon the box A as shown in Figure 1 of the drawing the lip 15 is caused to abut the lever 9 at its upper edge and in this the said lever and link 12 will be aligned with each other, thereby latching the head 6 in signaling position while the horn extension 11 will protrude beyond the door end of the box for a purpose presently described.

Mounted on the door or lid B is a loop frame 16 which constitutes a hand grip for the door or lid and also functions as a rider for the horn extension 11 of the lever 9 so that when the door or lid is moved to opening position on the box A this frame 16 will ride upon the horn extension 11 of the lever 9 causing the latter to be shifted and thus lowering the staff 7 and the head 6 thereon with the latter in non-signaling position as is clearly shown in Figure 2 of the drawing.

Now when the door or lid B is closed a person will manually pull upwardly upon the horn extension 11 of the lever 9 and through movement thereof the head 6 can be shifted to a signaling position upon the mail box A as illustrated in Figure 1 of the drawing.

What is claimed is:

1. A signal of the character described comprising a staff swingingly mounted upon a mail box and having a signaling head, a lever pivotally supported upon the mail box, an interme-

diate link between the staff and lever and pivotally connected therewith, a lateral lip on the link for coaction with the lever, and a frame mounted upon a door of the box and acting against the lever to actuate the same to move the staff to lowered position and the head thereon to non-signaling position on the opening of said door.

2. A signal of the character described comprising a staff swingingly mounted upon a mail box and having a signaling head, a lever pivotally supported upon the mail box, an intermediate link between the staff and lever and pivotally connected therewith, a lateral lip on the link for coaction with the lever, and a frame mounted upon a door of the box and acting against the lever to actuate the same to move the staff to lowered position and the head thereon to non-signaling position on the opening of said door, the said lever being formed with a cam-like horn extension for coaction with the frame upon the door.

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