Feb. 24, 1925. 1,527,686

J. G. KING

SIGNAL

Filed Dec. 29, 1923 2 Sheets-Sheet 1

Fig. 1.

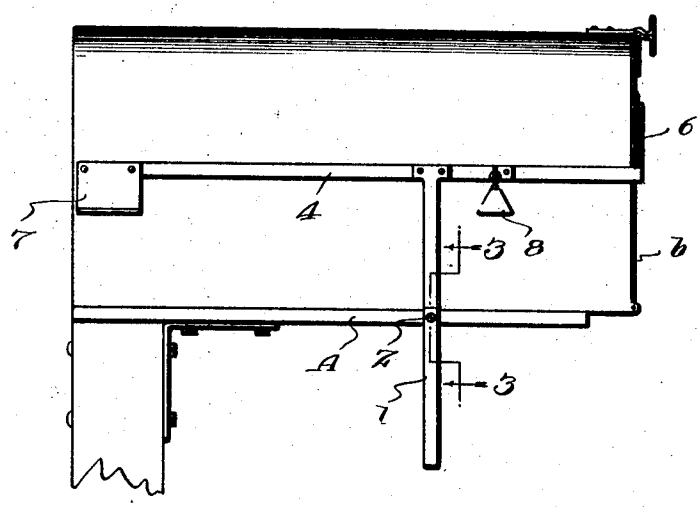


Fig. 2.

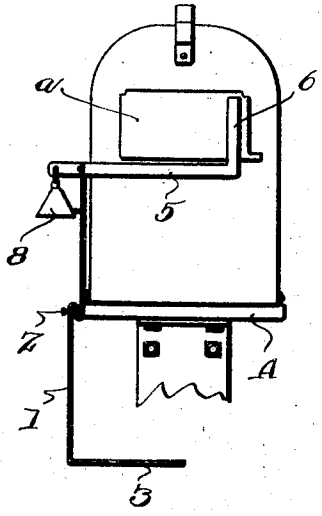


Fig. 4.

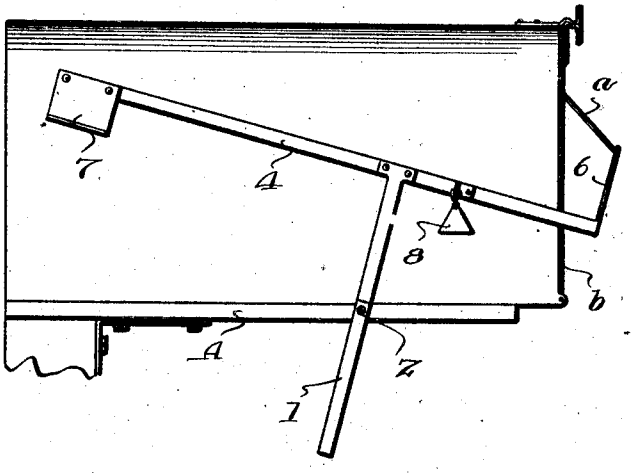
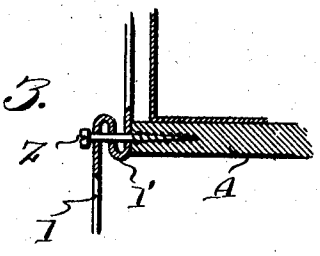


Fig. 3.



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INVENTOR

BY Victor J. Evans
ATTORNEY

WITNESS:

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Fig. 5.

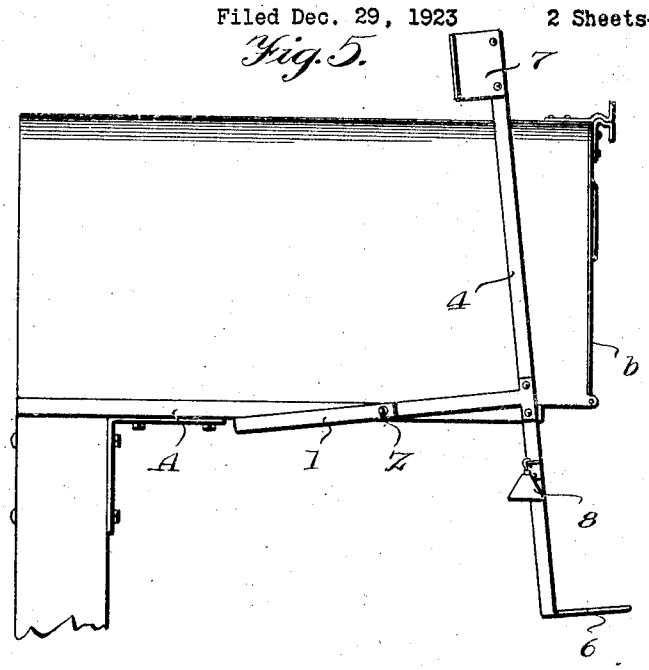
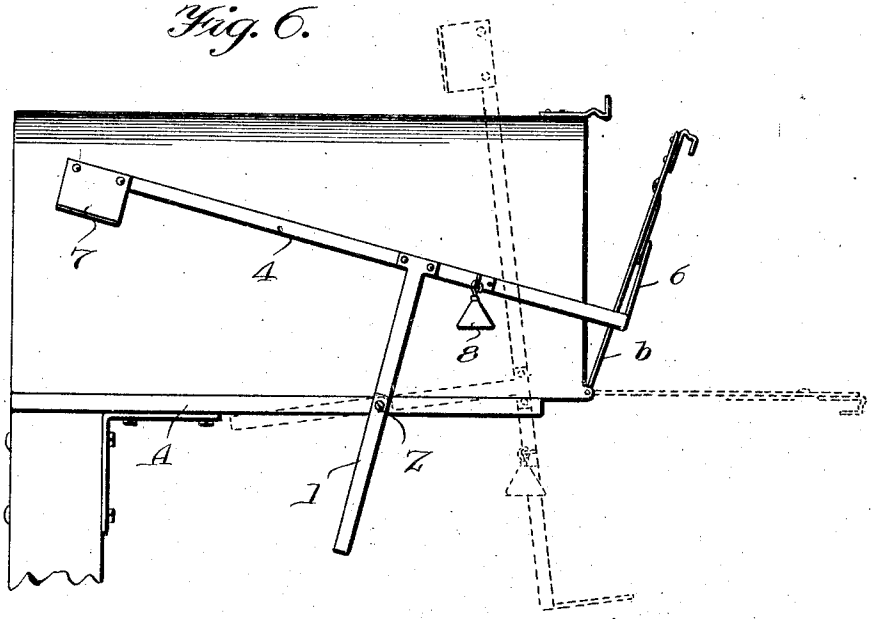


Fig. 6.



John G. King
INVENTOR

BY Victor J. Evans
ATTORNEY

WITNESS:

Patented Feb. 24, 1925. 1,527,686

UNITED STATES PATENT OFFICE.

JOHN G. KING, OF BURLINGTON, NORTH CAROLINA.

SIGNAL.

Application filed December 29, 1923. Serial No. 683,490.

To all whom it may concern:

Be it known that I, JOHN G. KING, a citizen of the United States, residing at Burlington, in the county of Alamance and State of North Carolina, have invented new and useful Improvements in Signals, of which the following is a specification.

This invention relates to a signal for rural delivery mail boxes, the general object of the invention being to provide a signal for indicating to the owner that mail has been placed in the box with means for moving the signal to operating position when the box is opened to place mail therein, so that it is not necessary for the mail man to raise the signal.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side view showing a mail box with my invention thereon.

Figure 2 is an end view.

Figure 3 is a section on line 3—3 of Figure 1.

Figure 4 is a view similar to Figure 1, but showing the signal being raised by the opening of the lid which closes the slot in the box.

Figure 5 is a view showing the signal in wholly raised position.

Figure 6 is a view showing the signal being raised by the opening of the door of the box.

As shown in these views, the device consists of a supporting arm 1 which is pivoted intermediate its ends to the bottom of the box A, as shown at 2, and which has its lower end bent at right angles, as shown at 3 for acting as a stop to hold the signal in raised position. A member 4 is fastened to the upper end of the arm 1 with its front end bent at right angles, as shown at 5 and again at right angles as shown at 6 so that the two bent parts are located in front of the box. The rear end of the member has connected therewith the flag or signal 7. A weight 8 is fastened to the member in front of the point of connection with the arm 1 and acts as a counter-balance to cause the signal to pass to its operative position after it has been moved off its dead center by the opening of the door or the lid.

It will be seen that when the lid *a* is raised to uncover the letter slot in the box, said lid will strike the part 6 of the member and move it downwardly so as to start the signal in its movement, this movement being completed by the weight and thus the signal is automatically moved to operative position by the action of the mail man in placing a letter in the letter slot of the box. It will also be moved to operative position by the opening of the door *b* of the box for this door will strike the parts 5 and 6 of the member as it is being opened so as to start the movement of the signal, which movement is completed by the weight. This movement is stopped by the part 3 of the arm 1 striking the bottom of the box. In order to insure free movement of the arm 1, it is formed with a double loop 1′ at the point where the pivot screw 2 passes through it.

From the foregoing, it will be seen that I have provided simple means for indicating to the box owner that mail has been placed in the box, the signal being automatically moved to operative position by the action of the mail man in placing mail in the box, so that it is not necessary for the mail man to raise the signal.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. A signal for a mail box comprising a pivoted supporting arm, a member connected with the upper end of the arm and extended at rightangles with said arm, a signal at one end of the member and a rightangular extension at the other end of the member adapted to be engaged by a movable part of the box.

2. A signal for a mail box comprising a pivoted supporting arm, a horizontal member connected with the upper end of the arm, a signal at one end of the member, a right-angle extension at the other end adapted to engage the door of the box when said door is

being opened and a weight on the member for completing the movement of the signal after its initial movement by the door.

3. A signal for a mail box comprising a pivoted supporting arm, a horizontal member connected with the upper end of the arm, a signal at one end of the member, an angle extension at its other end adapted to be engaged by the door or lid of the box when said parts are being moved to open position, a weight on the member and a bent end on the lower part of the arm for limiting the movement of the signal.

In testimony whereof I affix my signature.

JOHN G. KING.