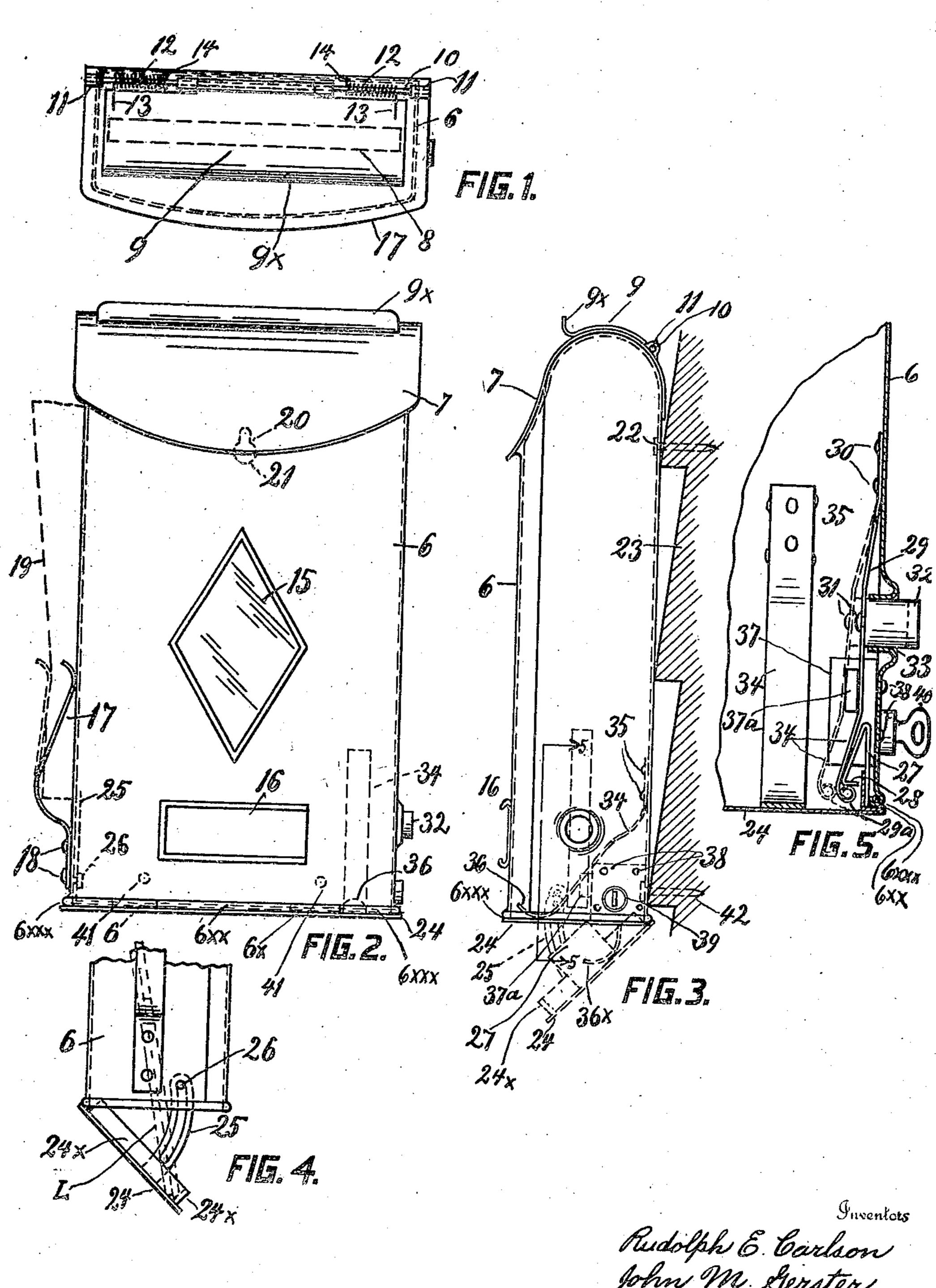
R. E. CARLSON ET AL. MAIL BOX. FILED AUG. 20, 1921.



IMPED STATES PATENT OFFICE.

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MAIL BOX.

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To all whom it may concern:

Be it known that we, RUDOLPH E. CARLSON 5 Ramsey and State of Minnesota, have in- securing the upper part of the box to a wall vented a new and useful Mail Box. of which 23 (see Fig. 3). the fellowing is a specification.

In the accompanying drawing:

box.

Fig. 2 is a front elevation of Fig. 1.

Fig. 3 is an edge view of the mail box box is attached.

bottom swung down.

Fig. 5 is an enlarged sectional view as on

line 5—5 in Fig. 3.

35 tically arranged sheet metal box having an and the other end 14 on the hood and said ends being under tension cause the lid to 45 stay closed on hood 7.

and 16 a name plate holder on the front of the box. 17 is a preferably flat spring on one edge or side of the box secured to it as 50 at 18, its free top end arranged to be sprung outward for the purpose of holding bulky mail such as a newspaper 19, which is preferably placed in upright position to be clear

of the wall 23 (shown in Fig. 3).

20 is a key hole shaped aperture in the upper part of the back wall of the receptacle.

the large end 21 of the aperture adapted to be passed over the head of a nail or screw and John M. Gerster, citizens of the United 22 after which the box is pulled down so that States, residing at St. Paul, in the county of it hangs on the shank of the nail or screw 60

The bottom end of receptacle 6 is closed Our invention relates to mail boxes in gen- by a hinged bottom 24 which is hinged by eral and more particularly the type of mail its rear lower edge 6x on a wire 6x inlaid in 65 10 boxes used on dwellings in cities where a a bead 6** permitting the bottom to be swung mail delivery system is established. down (as in Figs. 3 and 4) the downward The object of the invention is to provide drop of same being limited by a slotted sega mail box of light and durable construction ment 25 secured to flange 24x of bottom and which will be convenient and if locked will guided on an inwardly projecting pin 26 in 70 15 resist any attempt to remove contents of one of the side walls of the receptacle. The same or remove the mail box, but is easily other end of bottom 24 has a catch 27 preferopened and closed by the person or persons ably made of flat metal, its lower end solsupposed to have access to same. dered or otherwise secured to flange 24* and its upper end bent inwardly and down at an 75 Fig. 1 is a top view of our improved mail angle, then bent back to form a shoulder 28 (see Fig. 5). Said shoulder is engaged by the lower end or hook 29a of a vertically disposed flat spring bar 29 the upper end of looking from right to left in Fig. 2 and which is secured as at 30 to the side wall 80 25 showing a portion of a wall to which the of receptacle 6. At a point intermediate the ends of the flat spring 29 is secured as Fig. 4 is an edge view of the lower left at 31 a push button 32 projecting through a hand portion of Fig. 2 showing the hinged flanged opening 33 in the side wall of the receptacle. Inward pressure on said button 85 disengages said hook or catch 29a of the spring 29 from shoulder 28 of catch 27, per-Referring to the drawing by reference mitting hinged bottom 24 to swing down numerals, 6 is the receptacle of our mail and operator has easy access to the mail box and is in general shape a normally ver- within the box. Opening of the bottom 24 90 is automatic being caused by another vertiintegral top hood 7 with a slot 8 in its top cally arranged preferably flat spring 34, the for inserting mail. 9 is a slide normally upper end of which is secured as at 35 to rear resting on hood 7 and covering slot 8; it wall of the receptacle and the lower end bent has a front wing 9× and may be hinged on as at 36 and pressing upon the inner side of 95 40 a pintle rod 10 mounted in bearings 11 on the bottom 24 near its front edge. When the hood 7. One or more coil springs 12 on bottom 24 is released as described spring 34 said rod, each with one end 13 on the lid assumes the position 36x shown dotted in Fig. 3, pressing the bottom to the inclined position 24.

For locking our device a rim lock 37 of 15 is a glass or other transparent panel suitable size is secured as at 38 to the inner side of the wall of the receptacle and adjacent spring 34, a hole 39 being provided for insertion of key 40. Manipulation of the 105 key causes lock bolt 37^a to project across spring arm 34 (see Figs. 3 and 5) positively preventing the latter from being operated by push button and consequently making it impossible to disengage it from the spring 110 catch 28 of the hinged bottom.

41 are holes in the lower portion of rear

wall of the receptacle for insertion of nails letters in its top and a hinged bottom adaptor screws 42 to hold lower end of mail box ed to be folded downwardly to an inclined properly against wall 23 after the upper portion has already been secured to wall as 5 previously described. This method of securing mail box to wall leaves no exposed fastening means and consequently makes it difficult to remove it from the wall.

10 understood that in the use of the box the means holding it closed. top lid 9 is raised by taking hold of its up- 2. The structure specified in claim 1, said 15 upon the lid where they are retained by ner side of the box, the latter catch being 50 the button 31 is pressed, whereupon the bot-box. tom 24 is automatically thrown to the in- 3. The structure specified in claim 2, and 20 clined position leaving the letters standing a lock secured in the box near the resilient 55 ing on it close by the front guard 24×, about so desired, said lock having a key hole and as indicated by dotted lines L in Fig. 4, a removable key for same near the press where the operator can easily reach and re- button. 25 move them. After such removal he simply 4. The structure specified in claim 1, said 60 30 keys 40 need to be used and is then applied inclined position. as already described.

Having thus described our invention what tures.

we claim is:

1. A mail box having a vertically dis-35 posed hollow body with an inlet aperture for

position to let the mail out, and means for holding said bottom in closed position, and means for securing the box to a wall or other 40 vertical object, means for stopping the bottom at a predetermined incline and means for automatically opening the bottom to the From the above description it will be inclined position when released from the

turned wing 9x, the letters are dropped into means for holding the bottom closed comthe box and the wing released to let springs prising a catch on the bottom and a catch 12 close the lid. Packages may be piled engaging therewith and secured at the inthe wing 9x. Newspapers are placed at 19 resilient and having a press button protrudas stated. In removing mail from the box ing through an aperture in one side of the

at an incline and with the lower ends rest- catch and arranged to lock the catch when

swings or pushes the bottom upward to bottom being hinged at its rear edge and make the catches 27—28 and 29a snap into having near its front edge a rim or guard engagement. Only in localities where there to prevent accidental escape of the letters is danger of mail thieves the lock 37 and its when the bottom is suddenly swung to its

In testimony whereof we affix our signa-

RUDOLPH E. CARLSON. JOHN M. GERSTER.