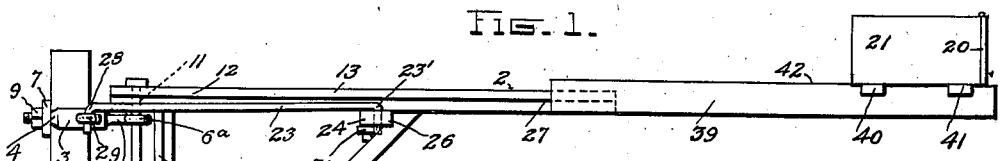
April 14, 1942. F. P. HURD 2,279,622

MAIL BOX OR OTHER SUPPORTS

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Fig. 1.



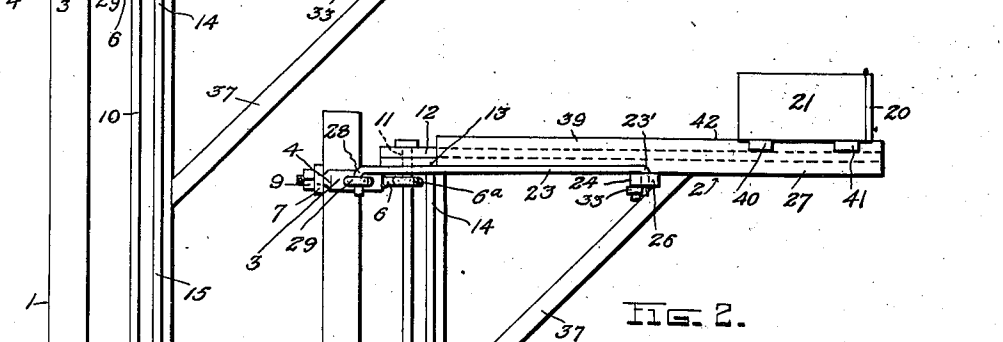


Fig. 2.

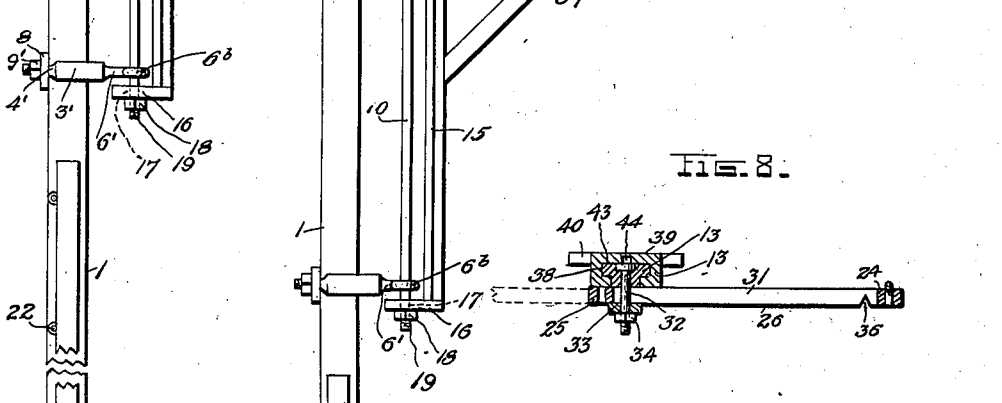


Fig. 8.

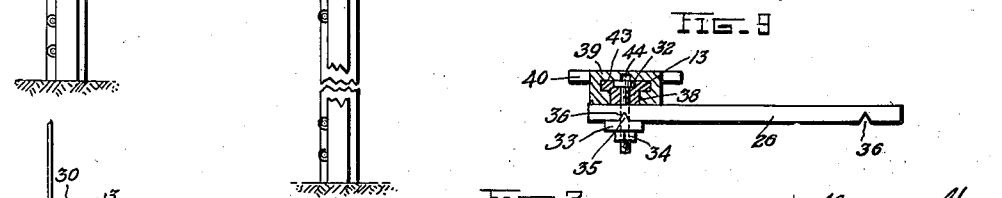


Fig. 9

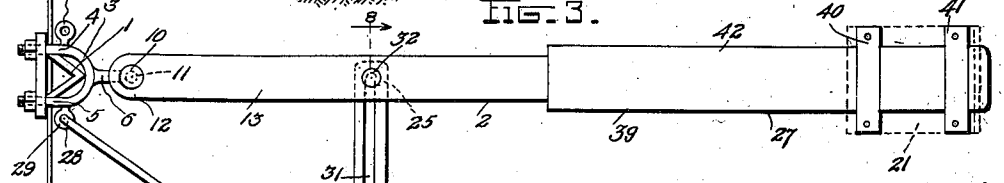
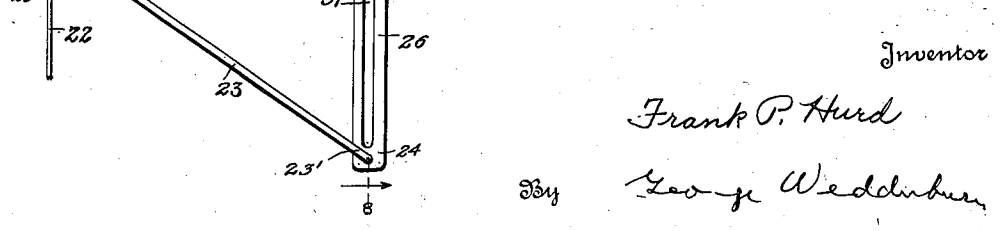


Fig. 3.



Inventor

Frank P. Hurd

By George Weddinburn

Attorney

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MAIL BOX OR OTHER SUPPORTS

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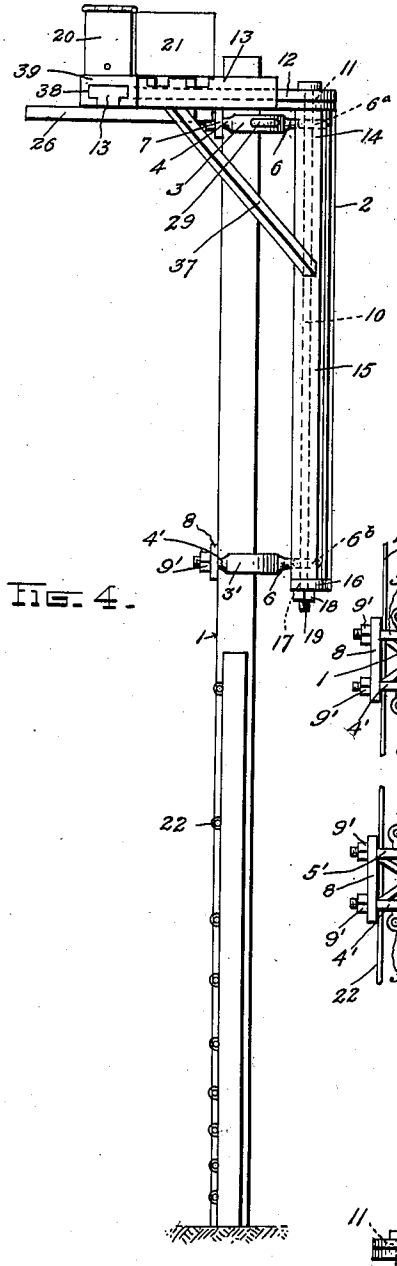


Fig. 4.

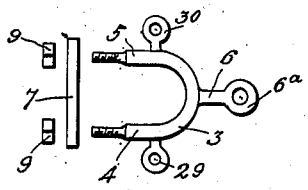


Fig. 5.

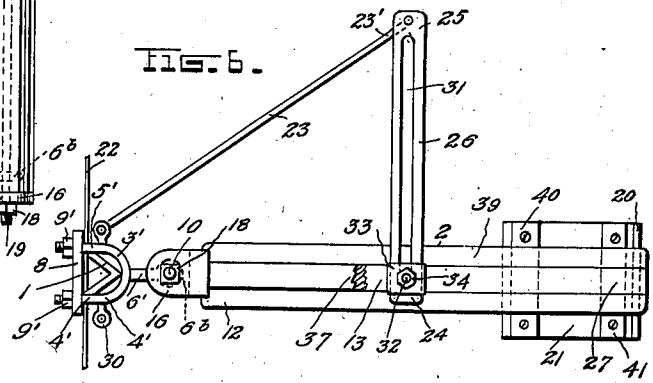


Fig. 6.

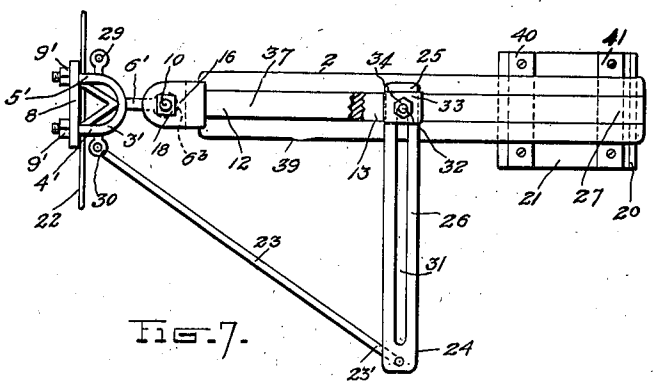


Fig. 7.

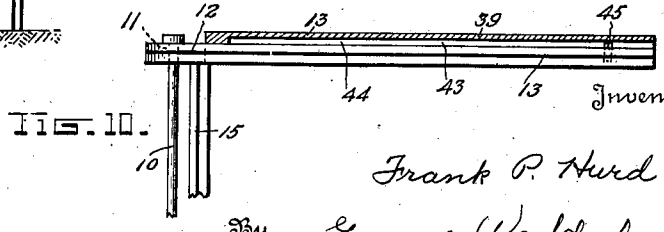


Fig. 10.

Inventor

Frank P. Hurd

By George Wedderburn

Attorney

Patented Apr. 14, 1942

2,279,622

UNITED STATES PATENT OFFICE

2,279,622

MAILBOX OR OTHER SUPPORT

Frank P. Hurd, Laurel, Md.

Application September 25, 1939, Serial No. 296,513

5 Claims. (Cl. 248—145)

This invention relates to letter boxes for rural mail delivery, and has for its object to provide means whereby such boxes may be readily swung out of the way of road machine and road workers.

Another object of the invention is to provide a mail box support so arranged that it may hold a box in proper normal position for the delivery of mail thereto by a mail carrier without the necessity of his leaving his car and which may also be swung out of such normal position to a position whereby the mail may be removed without danger of the person removing the contents of the box being struck by passing vehicles.

A further object of the invention is to provide a rural mail box support so arranged that the mouth of the box may be swung to a position to face a road, and convenient for the delivery of mail from a vehicle, and which may also swing to a position convenient for the removal of mail by a person on the opposite side of a fence to that where the box is so located.

A still further object of the invention is to provide a rural mail box support having an extensible arm on which the box is carried in order that said arm may be adjusted to boxes of different sizes.

Another object of this invention is to provide a mail box support having a telescopic arm on which the box is carried in order that a mail carrier may draw the box close to the side of his car in order to collect and deposit mail, stamps, etc., without danger of dropping the same upon the roadway and damaging or mutilating the same, and then push the box back out of reach of his, or other cars.

A further object of the invention is to provide a mail box support having a swinging arm upon which the box is located and automatic means for locking the arm in a normal position.

With the above and such other objects in view, as may hereinafter more fully appear, I have invented the device shown in the accompanying drawings in which:

Figure 1 is a side elevational view of my invention, shown in operative position;

Figure 2 is a similar view, the box being shown in a changed position;

Figure 3 is a top plan view of Figure 1, the mail box being removed;

Figure 4 is a similar view of Figure 2, a telescopic member being shown in changed position;

Figure 5 is a detail view of a clip;

Figure 6 is a bottom plan view of my device, certain parts being broken away;

Figure 7 is a like view showing a cross arm in changed position;

Figure 8 is a section on line 8—8 of Figure 3;

Figure 9 is a side elevation of the parts shown in Fig. 8; and

Figure 10 is a longitudinal sectional view of the showing in Fig. 7.

Like reference characters indicate like parts, throughout the following specification and in the several views in the drawings in which 1 indicates a common type of metal fence, or other post, to which my mail box holder 2 is attached by means of Y-shaped clips 3 and 3', each having three terminal arms 4, 5, and 6, and 4', 5' and 6'. The arms 4 and 5 pass around the post 1, and extend through openings in the tie plates 7 and 8, and are clamped to the post by nuts 9 and 10. The arms 6 and 6' are provided with eyes 6a and 6b respectively which, when the clips are fixed in position upon the post 1, vertically aline with one another in order to receive and hold the pivot rod 10, which passes through a bore 11 in the inner terminal 12 of a horizontally disposed bracket arm 13 fixed to the upper end 14 of a vertically disposed bar 15, having an outwardly turned right angular terminal 16, provided with a bore 17 alining with bore 11, and through which said pivot rod 10 also passes and is held in position by a nut 18, on the threaded terminal 19 of the pivot rod. The said arms 6 and 6' are of sufficient length to permit the bracket member 13 to swing in an arc of somewhat more than a quarter circle, in order that in its position shown in Figure 4, the door end 20 of the mail box 21, will have swung across the fence line 22, upon which the post 1 is positioned, and to a convenient position for the removal of the contents of said box without the person collecting the contents of the box having to cross the said fence line, and thus avoiding the possibility of being struck by vehicles passing on the road adjacent to which the mail box is mounted. The bracket arm 13 is normally held at right angles to, or facing the road just referred to by means of a link hook 23 the end 23' of which is pivotally mounted upon one of the terminals 24 or 25 of an arm 26 attached to the under side of arm 13, intermediate its ends 12 and 27. The hook 28 of member 23 is adapted to engage the eye 29 or eye 30, on the arms 4 and 5 respectively of clip 3 whereby the box 21 may be held in its normal extended position ready to receive mail from the route man. In order that the mail box may be swung either to the right or the left of post 1 (depending upon

local conditions), I have provided the arm 26 with an elongated slot 31 extending to adjacent the ends 24 and 25 of said arm and a bolt 32 fixed to arm 13 and depending therefrom is passed through said slot 31 to receive the clamp member 33 and nut 34 whereby the arm 26 is fixed in a desired position for a right or left swing, and also for adjustment of link hook 23 relative to the said eyes 29 and 30, thus assuring a perfect adjustment of said hook and eyes regardless of the contour or diameter of post 1. The clamp member 33 may be provided with a V-rib 35 to seat in V-cups 36 in the underside of arm 26 to assure a firmer and more rigid connection. The members 13 and 15 are further connected by a brace 37. The arm 13 is T-shaped in cross section in order to seat in the similarly formed channel 38 provided in the under side of a telescopic extension arm 39. The member 39 is provided with spaced apart cross arms or side extensions 40 and 41, flush with its upper surface 42, to which the mail box 21 is attached by screw bolts. The under wall 43 of member 39, has an elongated groove 44 into which projects a screw pin 45, projecting up from the arm 13, which pin acts as a stop to the outward movement of said arm 39.

This telescopic arrangement not only permits one standard size support to receive mail boxes of different sizes, but also permits the mail carrier to reach out of his car and draw the box right up to himself, avoiding the loss of money and time, in case of stamp money being dropped in reaching way out of his car, as is necessary with the usual type of mail box supports. It also protects mail matter and postage from the elements, and in shoving the box back, after finishing with it, the box is protected from being knocked off by vehicles which very often ride too far to the side of the road, as the box will slide back out of danger from ordinary traffic.

One of the principal objects of this invention is that when necessary the box may be swung to one side entirely out of the way of road machines, such as graders, ditching machines, etc., and avoid being broken off or injured by the same, and at the same time, save road gangs much time and annoyance in trying to protect the mail box in rare cases where they are considerate to this extent. Furthermore, there is also involved in the invention the consideration of time saved in removing mail where the box is outside of a fence. And, above all, is its safety feature in protecting its users from traffic hazards.

Having now described my invention, that which I claim to be new, and desire to procure by Letters Patent is:

1. In a device of the nature described a telescopic box supporting arm, said arm being pivotally mounted, and means for holding the arm against pivotal movement, said means being adjustable, to permit the swinging of said arm either to the right or to the left, and including a cross arm on said first arm.

2. In a device of the nature described a telescopic box supporting arm, said arm being pivotally mounted, and means for holding the arm against pivotal movement, said means being adjustable, to permit the swinging of said arm either to the right or to the left, and including a cross arm, slidably mounted on said first arm.

3. In a device as described a pair of spaced apart Y-bolts each having an eye aligning with the other, a pivot member carried in said eyes and a box supporting arm carried by said member, and means for fixedly attaching said bolts to a post, an additional eye on opposite arms of one of said Y-bolts and means having connection with said last eyes and said first arm, whereby said box supporting arm may be held in locked position.

4. In a device as described a pair of spaced apart Y-bolts each having an eye aligning with the other, a pivot member carried in said eyes and a box supporting arm carried by said member, means for fixedly attaching said bolts to a post, an additional eye on opposite arms of one of said Y-bolts and means, attachable to said last eyes, whereby said box supporting arm may be held in locked position, said last means consisting of a brace rod and a cross arm of the box supporting arm to which the brace rod is also attachable.

5. The device as claimed in claim 4, said cross arm being slidable on said box supporting arm.

FRANK P. HURD.