

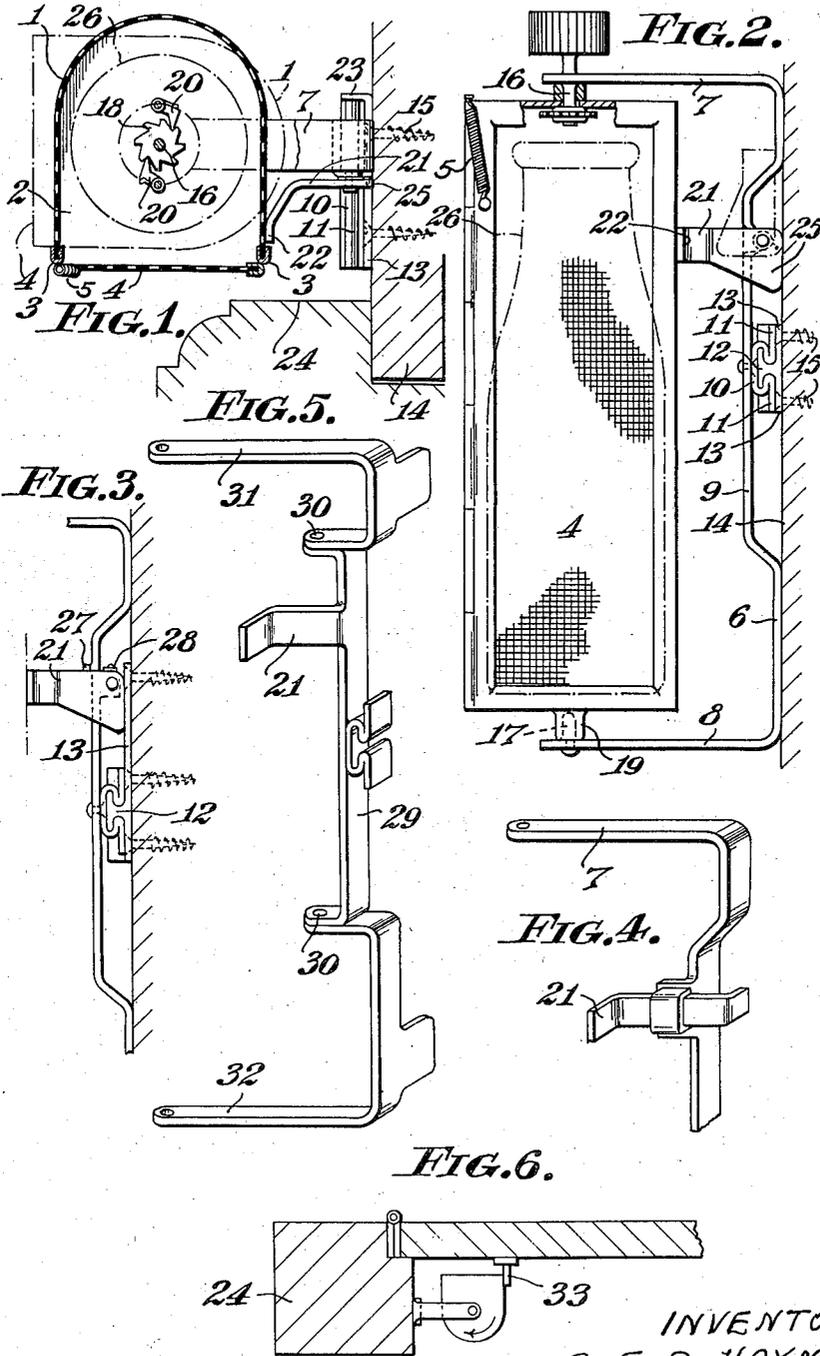
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G. F. R. HAYNES

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MEANS FOR RECEIVING DELIVERED COMMODITIES AND PREVENTING THEFT THEREOF

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INVENTOR
G. F. R. HAYNES
By *J. T. W. [Signature]* Atty.

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MEANS FOR RECEIVING DELIVERED COM- MODITIES AND PREVENTING THEFT THEREOF

George Francis Richard Haynes, London, Eng-
land, assignor of one-half to Arthur Sutcliffe,
London, England

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This invention relates to a means for receiving delivered commodities and preventing theft thereof and provides an apparatus for attachment to doors such as street doors and adapted to receive goods such as a bottle of milk therein, said apparatus being capable of manipulation so that when the street door is closed, said bottle or goods cannot be removed from the receiver, nor can the said receiver be moved into a position such as to allow of this, but when the door is opened, said receiver and bottle or goods therein, can be readily and bodily removed from the door.

For a ready understanding of the present invention reference is to be had to the following description and accompanying sheet of drawings, wherein:—

Figure 1 is a sectional plan view illustrative of an embodiment of the invention, showing the container in the position it occupies, in relation to the street door, and adjacent jamb, when carrying a bottle of milk.

Figure 2 is a vertical elevational view thereof.

Figure 3 is a vertical elevation of a modification concerning a T shaped base member and catch piece hereinafter referred to.

Figure 4 is a fragmentary perspective view of the upper end of a carrier bar showing a modified form of catch piece hereinafter described.

Figure 5 is a perspective view of a modified form of carrier bar, and

Figure 6 is a diagrammatic plan view of a further modification.

Like numerals of reference indicate corresponding parts in the said figures.

In carrying out the invention, and referring to the drawing, there is provided a receiver 1 of D-like formation constituted by upper and lower horizontally disposed D-shaped plates 2 connected together by uprights 3 and wire mesh or expanded metal or a metal plate bent to required shape, and a receiver door constituted by a framing fitted with a wire mesh or other panel, said receiver door 4 being hingedly connected to the left hand upright 3 of the receiver and normally maintained closed by a spring 5.

The carrier member consists of a flat, rectangular section strip 6 which is bent to U shape to provide upper and lower arms, respectively 7 and 8, extending outwardly therefrom, and at right angles thereto, said strip 6 being in its length, outwardly arched, as shown at 9 in Figure 2.

On the back of the arched portion 9 there is fixedly secured a horizontally disposed member 10 provided with a T-slot therein and said mem-

ber 10 being preferably but not necessarily, formed of strip metal bent to provide flanges 11. The T-member 10 is adapted to engage over a T-shaped base member 12 provided with flanges 13 having screw-receiving holes therein, and said T-member 12 is secured to the front face of the street door 14 by means of screws 15 passed through the screw holes 1 aforesaid.

From the underside of and near to the outer end of the upper arm 7 of the carrier member there fixedly depends a spindle 16 whilst on the upper side of the lower arm 8 of the said carrier, there fixedly upstands a pivot pin 17, said pin 17 being in vertical alignment with the spindle 16 aforesaid.

The receiver 1 is, by its upper plate 2, rotatably mounted on the lower end of the spindle 16 and is supported on and rotatable on the upper face of a ratchet wheel 18 fixedly mounted on the lower end of the spindle 16, whilst the lower plate 2 of the receiver 1 is provided on its underside with a socket or cup 19 rotatable on the pivot pin 17 of the lower arm 8 of the carrier member, and with said ratchet wheel 18 engage pawls 20 which are spring-controlled and pivotally mounted on the underside of the upper plate 2 of the receiver 1.

A spring-controlled stop piece 21 is pivotally connected to the arched portion 9 of the carrier member, said stop piece 21 having a bail 22 disposed at right angles thereto.

To set the device after removal, the T-slotted member 10 of the carrier is slipped over the T-headed base member 12 on the street door 14, the stop piece 21 being held in raised position against the action of its spring, so that said member 10 butts against a rib 23 on the end of the base member 12, and the flanges 11 of the member 10 cover over the screws 15 which secure said member 12 to the street door 14, thereby preventing the device from being bodily removed, and the receiver 1 is turned anti-clockwise direction, so that the receiver door 4 faces, as shown by dot-and-dash lines in Figure 1, outwardly from the street door 14 which is then closed.

After insertion of a bottle or other commodity into the receiver 1 through the door thereof, said door 4 is closed and the receiver 1 is turned in anti-clockwise direction, the pawls 20 of the receiver slipping the ratchet wheel 18, so that the receiver door 4 faces towards the jamb 24 of the street door 14, and the tail 22 of the stop piece 21 contacts with the wall of the receiver, whilst the inner end 25 of the stop piece 21 butts against the face of the street door 14.

In this position the receiver 1 cannot be moved in a clockwise direction due to the pawls 20 engaging the ratchet wheel 19, nor can said receiver 1 be moved in an anti-clockwise direction due to the stop piece 21 which is now inaccessible engaging the wall of the receiver and the face of the street door 14, and, further, the receiver door 4 cannot be opened sufficiently wide as to allow of the extraction of the bottle 26 due to the free edge of the receiver door 4 contacting with the street door jamb 24, the interengaging members 10 and 12 of the device being positioned a distance away from the outer end of the street door 14 such that, whilst preventing the full opening of the receiver door 4 they allow of the receiver just clearing said jamb 24 when the door is opened.

After opening the street door, the device is bodily slid off the T-headed base member 12, the bottle or the like is then removed from the receiver, and the stop piece 21 is swung back beyond the position shown in dotted lines, allowing the receiver to be turned round so that the door of the receiver faces outwardly, whereupon the device is slid on to the T-head base member and the door then closed.

Although the invention has only been described and illustrated as applied to a street door which opens from right to left, yet the invention is equally well applicable to street doors which open from left to right, provided that the ratchet wheel and pawls are arranged to suit the reverse turning of the bottle container. Further it is to be understood that the device in any of its forms herein described may be mounted on the jamb of the door instead of upon the door itself in which case it will be turned to face the door in order not to give access to its contents.

In the modification shown in Figure 3 the upper flange 13 of the T-shaped base member 12 is upwardly extended to pass beneath the movable stop 21 and prevent said stop bedding into and damaging the door. There is also provided an abutment 27 to prevent the stop 21 being raised above the horizontal position so that in this case the stop has to be swung downwardly instead of upwardly to permit continued turning of the receiver after removal from the door. A spring 28, projecting laterally, bears on the top edge of the stop 21, and temporarily maintains said stop raised to facilitate engaging the device on the door and will also retain it lowered during continued turning of the receiver when removed from the door.

Figure 4 shows an alternative form of stop 21 in the form of a sliding member, whilst in the modification shown in Figure 5 a central door-

engaging section 29 of the carrier is connected by co-axial pivots 30 to upper and lower sections 31, 32 and therefore can be turned relative thereof when the device is removed from the door, to move the stop 21 which is now fixed and rigid with the section 29, to a position in which it does not obstruct the container 1.

In the modification shown in Figure 5 the device is mounted on the door jamb 24 and a fixed stop 33 is fitted on the door instead of providing a stop on the carrier bar. Opening of the door automatically retracts the stop 33 and allows the receiver to be turned to give access to the contents.

I claim:—

1. In combination with a door element and a jamb element, a base member fastened to one of said elements, a carrier having a detachable mounting on said base member such that it may be detached therefrom when the door is open and cannot be detached therefrom when the door is closed, a goods receiver mounted on said carrier member for rotation relative thereto in a single direction to two operative positions in one of which goods may be inserted therein and removed therefrom and in the other of which the insertion or removal of goods into or from the same is prevented by one of said elements, said goods receiver being movable from its first to its second mentioned position when the door is closed, means preventing reverse movement of said receiver, a releasable stop on said carrier to limit rotation of said receiver beyond its second mentioned position when the receiver is operatively mounted on said base member, and means mounting said stop so that it is releasable to permit rotation of the receiver from its second to its first mentioned position only when the carrier is detached from said base member.

2. The combination as set forth in claim 1 in which the stop is pivoted on the carrier and in which the base member is provided with a formation constituting an abutment to limit pivotal movement of the stop in one direction beyond a position in which it prevents rotation of the receiver when the carrier is mounted on the base member, said stop being formed for cooperation with the receiver to prevent its pivotal movement in the other direction when the receiver is in its second mentioned position.

3. The combination as set forth in claim 1 in which the carrier comprises at least two sections pivotally connected together, and in which the stop is rigid with one of said sections.

4. The combination as set forth in claim 1 in which the stop is slidably mounted on the carrier.

GEORGE FRANCIS RICHARD HAYNES.