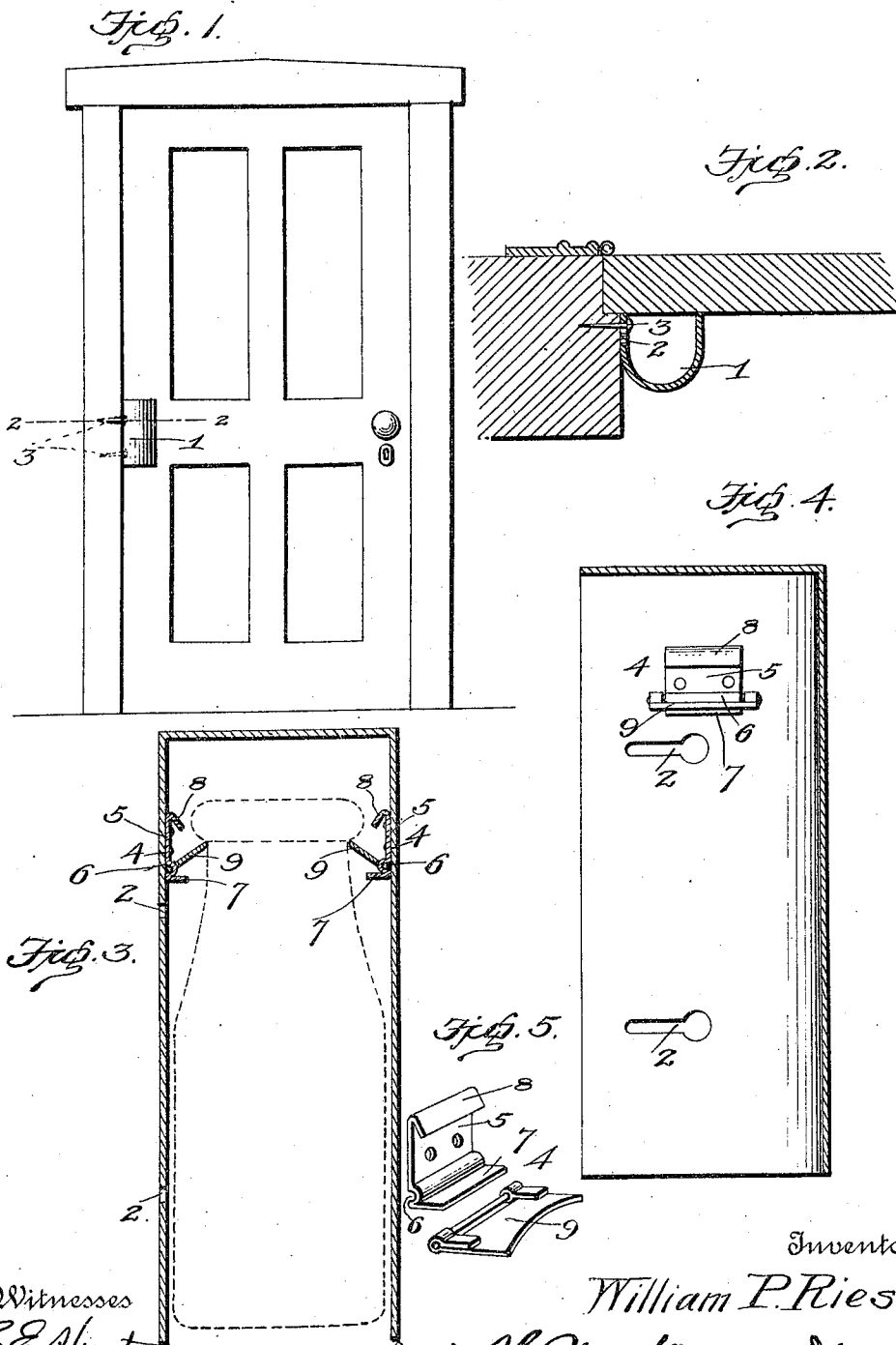


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BOTTLE HOLDER.
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961,647.

Patented June 14, 1910.



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UNITED STATES PATENT OFFICE.

WILLIAM P. RIES, OF AKRON, OHIO.

BOTTLE-HOLDER.

961,647.

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To all whom it may concern:

Be it known that I, WILLIAM P. RIES, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Bottle-Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in bottle holders.

One object of the invention is to provide a holder or receptacle of this character having means whereby a milk bottle or the like may be securely held therein against removal and protected from being tampered with.

Another object is to provide a device of this character adapted to be secured to the frame or jamb of a door and having means whereby when a bottle is inserted therein, the same cannot be removed until the door is opened.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings; Figure 1 is a side view of a door and door frame showing my improved bottle holder applied; Fig. 2 is a horizontal section taken on the line 2—2 of Fig. 1; Fig. 3 is a vertical section of the holder, showing the bottle arranged therein in dotted lines; Fig. 4 is a similar view taken at right angles to Fig. 3. Fig. 5 is a detail perspective view of one of the bottle supporting devices.

Referring more particularly to the drawings, 1 denotes my improved bottle holder which is preferably formed of tin or other sheet metal and is constructed substantially as is shown in the drawings. The receptacle is closed at its upper end and open at its lower end and at its rear side. In one side of the receptacle are formed upper and lower key-hole shaped apertures 2 which are adapted to be engaged with nails or other headed fastening devices 3, which are arranged in the door jamb or frame adjacent to the outer side of the door, as shown.

In applying the receptacle to the door jamb or frame, it is first necessary to open the door after which the larger portions of

the apertures 2 are engaged with the nails or headed supporting devices 3. The receptacle is then pushed over until the smaller portions of the apertures 2 engage the nails 3, thus preventing the removal of the receptacle from the nails after the door has been closed, as when the door is in closed position, the outer side of the same will be brought into close engagement with the inner side of the receptacle, thus preventing any lateral movement thereof and thus holding the smaller portions of the apertures 2 in engagement with the nails 3.

In applying the milk bottle to the receptacle, the former is inserted into the lower open end of the receptacle and pushed upwardly therein until the bead around the upper end of the bottle neck is engaged by the supporting devices 4 whereby the bottle will be securely held in the receptacle and cannot be removed therefrom or tampered with until the door has been opened, thus permitting the removal of the bottle through the open rear side of the receptacle.

The supporting devices 4 are arranged at diametrically opposite points on the inner side of the receptacle near the upper end thereof and each of said devices comprises an attaching plate 5 which is riveted or otherwise secured to the inner side of the receptacle and is provided near its lower end with a transverse bearing groove 6 and a right angular laterally projecting stop lug 7. The upper ends of the attaching plate 5 are preferably bent inwardly and downwardly at a suitable angle to provide a stop 8, the purpose of which will be hereinafter described.

Hingedly mounted in the bearing groove 6 of the attaching plate 5 is a bottle supporting plate 9. The plates 9 of the attaching devices are adapted to swing upwardly until engaged with the stops 8 which limit the upward movement of the plates 9. The bottle supporting plates 9 are limited in their downward movement and are prevented from dropping below a horizontal plane by means of the stop lugs 7 on the lower ends of the attaching plates 5.

By means of bottle supporting devices, such as herein shown and described, it will be seen that when a milk bottle is pushed upwardly into said receptacle that the supporting plates 9 will be engaged by the upper end of the bottle and swung upwardly against the stops 8 which will permit the

beaded upper end of the bottle to pass said supporting plates, whereupon the latter will drop back into engagement with the neck of the bottle below the bead thereon and will thus support or hold the bottle in the receptacle. The closed upper end of the receptacle will prevent the bottle from being tampered with and the latter cannot be removed from the receptacle until the door is opened and the rear open side of the receptacle thus uncovered.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claim.

Having thus described my invention, what I claim is:

25 In a bottle holder of the character described, a receptacle open at its rear side and lower end, means whereby the receptacle is secured to a door jamb adjacent to the

door, the latter when in closed position covering the open side of the receptacle and preventing the removal thereof from the door jamb, bottle supporting devices arranged in said receptacle, said devices comprising attaching plates having on their upper ends downwardly and inwardly projecting stops and on their lower ends inwardly projecting lugs, bottle engaging and supporting plates hingedly connected to said attaching plates and adapted to be engaged and lifted by the upper end of a bottle when inserted in the lower open end of the receptacle, said plates after being lifted by the upper end of the bottle automatically drop back into engagement with the bottle neck thereby holding the bottle against removal from the receptacle until the rear open side thereof is uncovered by the opening of the door.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM P. RIES.

Witnesses:

ELMER L. RIES,
WILLIAM T. HENRY.