

A. V. DES MOINEAUX.
MILK BOTTLE CARRIER.
APPLICATION FILED MAY 28, 1920.

1,375,783.

Patented Apr. 26, 1921.

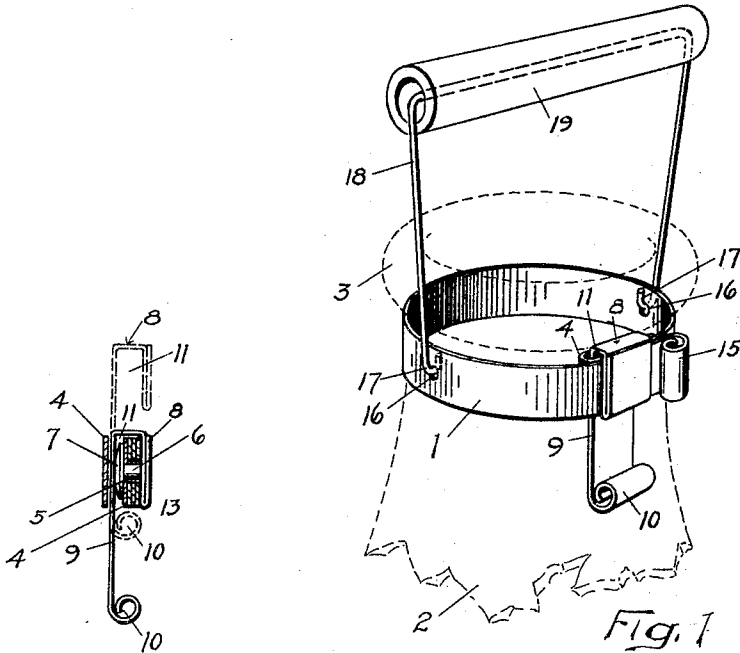


Fig. 1

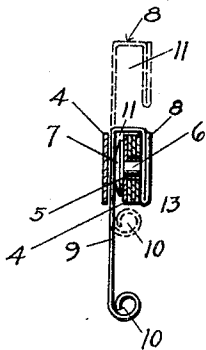


Fig. 3

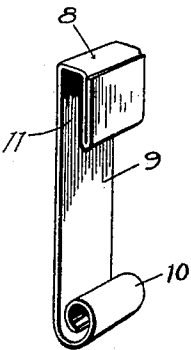


Fig. 4

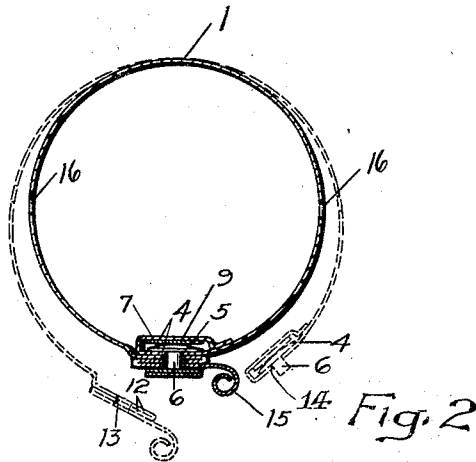


Fig. 2

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MILK-BOTTLE CARRIER.

1,375,783.

Specification of Letters Patent.

Patented Apr. 26, 1921.

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To all whom it may concern:

Be it known that I, ALFRED V. DES MOINEAUX, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented new and useful Improvements in Milk-Bottle Carriers, of which the following is a specification.

The present invention is directed to improvements in milk bottle carriers, and has for its object to provide a device of this character so constructed that it may be easily and quickly attached to or removed from the neck of the conventional form of milk bottle.

A further object of the invention is to provide a device of this nature with novel means for locking the same upon the bottle, but being so constructed that a latch can be manipulated instantly to remove the carrier from the bottle.

A still further object of the invention is to provide a carrier of this nature which is extremely simple in construction, efficient in operation, and one which can be manufactured at a very small cost.

Still another object of the invention is to provide a carrier or handle which cannot become accidentally detached from the bottle by the ordinary movements to which a milk bottle is subjected.

With these and other objects in view, this invention resides in the novel features of construction, formation, combination and arrangement of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which:

Figure 1 is a perspective view of the carrier, showing the same in use upon a bottle.

Fig. 2 is a transverse sectional view through the latch and associated parts.

Fig. 3 is a side elevation of the latch and a vertical sectional view through the associated parts.

Fig. 4 is a detail perspective view of the latch.

The device comprises a resilient sheet metal collar 1, the same being split, said collar being adapted to encircle the neck of the bottle 2, and is prevented from slipping therefrom by the usual bead 3.

One end of the collar 1 is reversely bent and suitably secured to the body of the collar, thereby forming a vertical guide 4, one wall of which is formed with a perforation 5, and through which projects the shank 6

of the rivet 7. It is obvious that the rivet is placed in its proper position before the end of the collar is bent to form the guide, and that the head of the rivet prevents the same from becoming disengaged.

The latch 8 consists of a body 9, and this body is capable of sliding movement within the guide 4, the upward sliding movement thereof being limited by the rolled finger piece 10 formed on the lower end of the body. This finger piece not only serves as means for limiting the sliding movement of the latch in one direction, but also forms convenient means for manipulating the latch when it is desired to remove the carrier from the bottle.

The upper end of the body 9 is bent downwardly to provide a pocket 11, the outer wall of which has its terminal bent upwardly and flush with the said wall to add rigidity at this point, and as clearly shown in Fig. 3 of the drawing.

The other terminal of the collar 1 is bent upon itself, the folds being tightly compressed, whereby the collar is strengthened. The folds 12 are formed with perforations 13 which register with the perforation 14 formed in the adjacent end of the collar, and as clearly shown in Fig. 2 of the drawing. The terminal of the outermost fold 12 terminates in a rolled finger piece 15, which may be conveniently grasped to aid in applying or removing the device from the bottle 2.

At diametrically disposed points the collar 1 is provided with openings 16, and in which are pivotally engaged the hooks 17 formed on the ends of the bail 18, said bail being provided with a wooden grip 19.

To apply the device to a bottle it is only necessary to expand the collar 1 sufficiently to permit the same to pass over the bead 3, and at which time the latch 8 is in its inoperative position, as indicated in dotted lines in Fig. 3, whereupon the finger piece 15 is grasped and the collar contracted until it encircles the neck of the bottle below the bead 3. The shank 6 of the rivet 7 then enters the registered perforations 13 and 14 of the adjacent end of the collar. The latch 8 is then forced downwardly, whereupon the overlapping ends of the collar enter the pocket 11, and owing to the fact that the shank 6 of the rivet is engaged in the perforations 13 and 14 the overlapped ends of the collar are held positively against

relative movement in any direction, with the result that the collar 1 is firmly locked on the bottle neck, and will remain thereon until the latch 8 is moved upwardly a sufficient distance to permit the terminals of the collar to disengage the pocket 11. Since the collar 1 is formed from suitable resilient sheet metal, it is obvious that as soon as the pocket 11 disengages the terminals of the collar 1 that the terminals bearing the perforations 13 and 14 spring outwardly, thus causing the shank 6 of the rivet to disengage the said perforations.

It is thought that the construction and operation, and many advantages of the herein described invention will be apparent to those skilled in the art without further description, and it will be understood that the various changes in the size, shape, proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

What is claimed is:

1. A bottle carrier comprising a split collar, the ends thereof being adapted to be moved into and out of overlapping relation, and means slidable transversely of the collar to lock the ends together, and means for limiting the sliding movement of the locking means in opposite directions.

2. A bottle carrier comprising a split col-

lar, the ends thereof being adapted to be moved into overlapped relation, a guide carried by one end of the collar, a latch slidable in the guide, means carried by the latch for engaging the other end of the collar to hold the same in locked engagement with the first named end.

3. A bottle carrier comprising a split collar, a guide carried by one end of the collar, a shank associated with the guide, a latch slidable in the guide, the other end of said collar having perforations formed therein for detachably engaging the shank, and means carried by the latch for receiving the ends of the collar when overlapped.

4. A bottle carrier comprising a split resilient collar, the ends thereof being adapted to be moved into and out of overlapping relation, a guide carried by one end of the collar, a latch slidable in the guide, means for interlocking the ends of the collar when overlapped, means carried by the latch for engaging the overlapped ends to positively hold the same interlocked, and a bail pivotally connected with the collar.

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

ALFRED V. DES MOINEAUX.

Witnesses:

CHAS. F. J. DES MOINEAUX,
JOHN S. JACK.