W. L. JACKSON.

DEVICE FOR SUPPORTING MILK BOTTLES.

APPLICATION FILED AUG. 14, 1909.

958,131. Patented May 17, 1910.

Fig. 1.

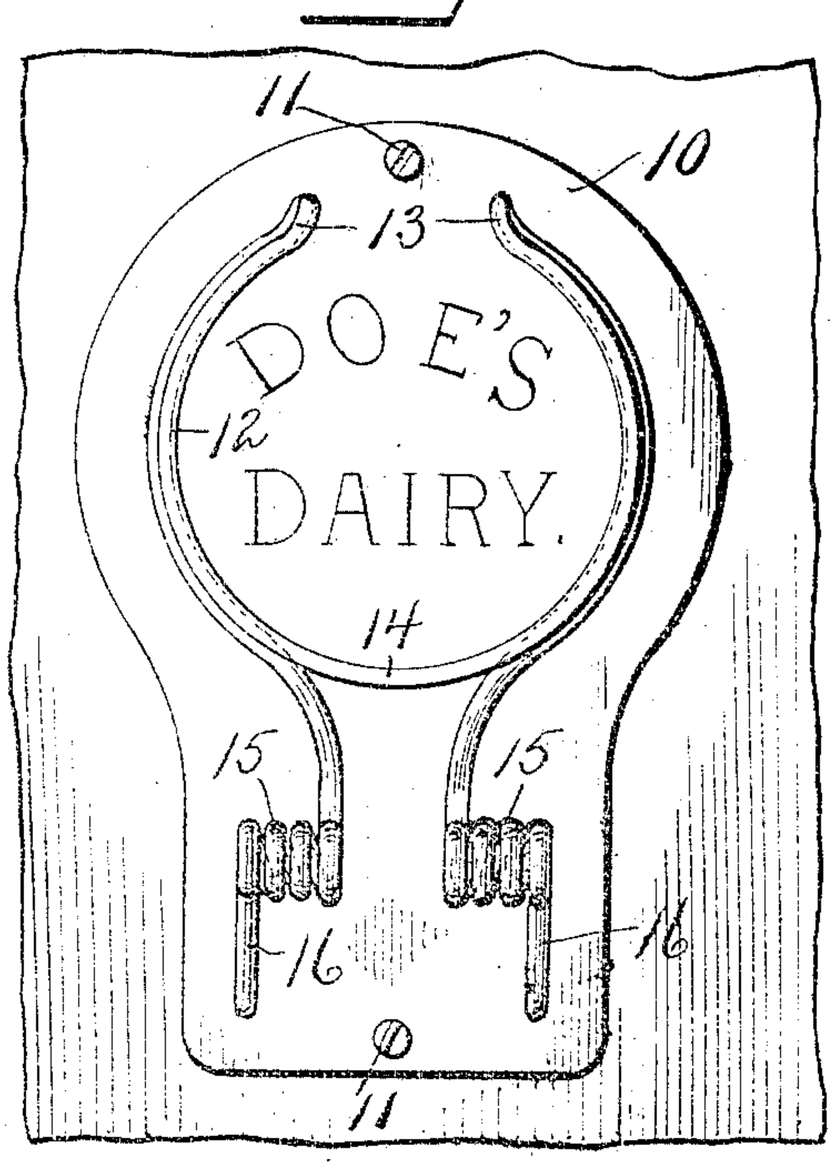


Fig. 2.

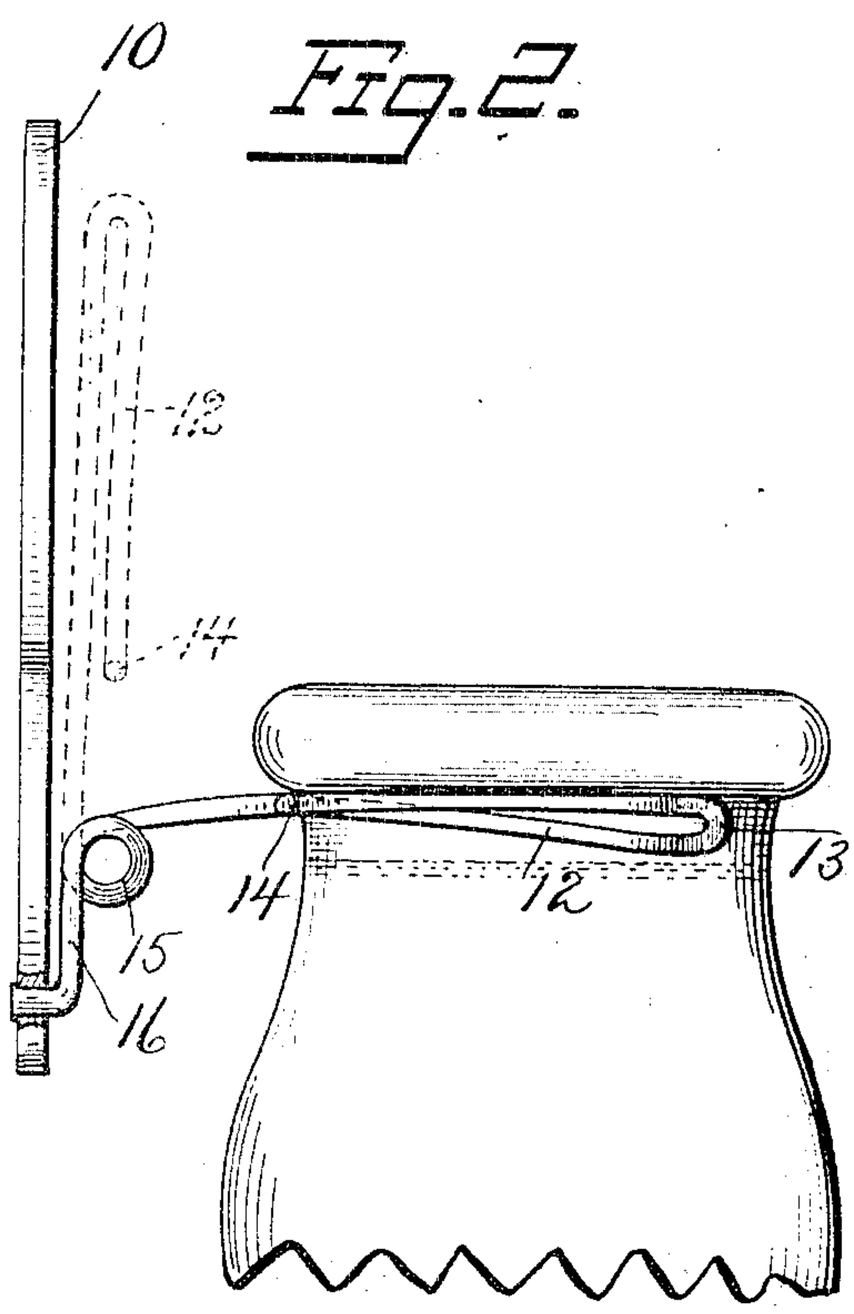


Fig. 3.

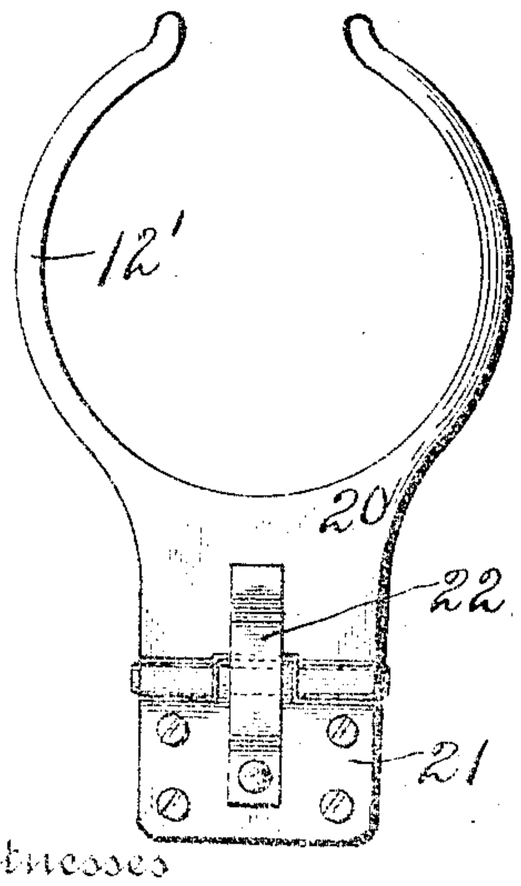
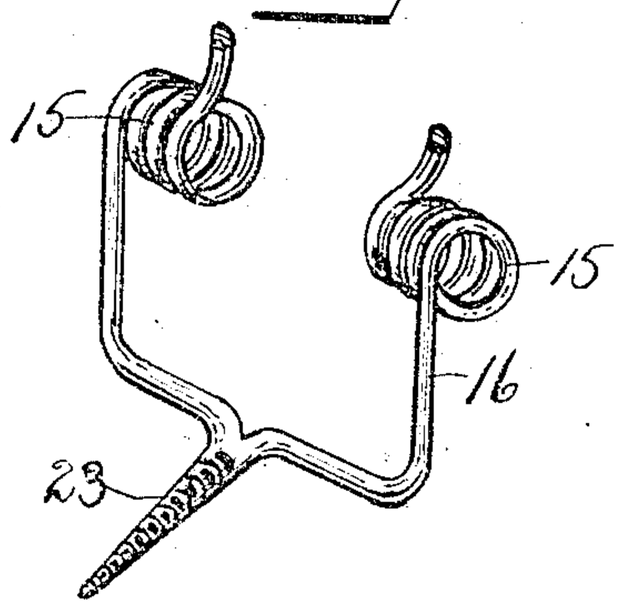


Fig. 4.



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UNITED STATES PATENT OFFICE.

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DEVICE FOR SUPPORTING MILK-BOTTLES.

958,131. Specification of Letters Patent. Patented May 17, 1910.

Application filed August 14, 1909. Serial No. 512,885.

To all whom it may concern:

Be it known that I, WILLIAM LEAF JACKSON, a citizen of the United States, residing at Brookland, in the District of Columbia, have invented certain new and useful Improvements in Devices for Supporting Milk-Bottles, of which the following is a specification.

This invention relates to devices for supporting milk bottles and other articles.

The principal object of the invention is to provide a device of very simple construction which may be readily attached to a doorway or other support and is designed for the reception of milk bottles or other articles.

A further object of the invention is to provide a device of this character in which the support is of a yieldable nature and is movable from a normal approximately vertical position to an approximately horizontal supporting position under the weight of the bottle.

With these and other objects in view, as will more fully hereinafter appear the invention consists in the novel construction and arrangement of parts hereinafter described, illustrated in the accompanying drawings and particularly pointed out in the appended claims, it being understood that various changes in the form, proportions and arrangement of parts may be made without departing from the spirit of the invention.

In the accompanying drawings:—Figure 1 is a face view of a milk bottle holder constructed in accordance with the invention, showing the same in normal position. Fig. 2 is a side view showing the holder moved down under the weight of a bottle. Fig. 3 is a face view illustrating a slight modification of the device. Fig. 4 is a detail perspective view illustrating a further modification.

Similar numerals of reference indicate corresponding parts throughout the several figures of the drawings.

The device forming the subject of the present invention is in the nature of a holder adapted to be attached to a doorway or any other suitable support for the purpose of holding a milk bottle or other article when delivered.

The base plate 10 is preferably formed of relatively heavy sheet metal or other suitable material and preferably will be provided with an enlarged rounded upper portion on which advertising matter may be placed. This plate is provided with suitable openings for the passage of securing devices, such as screws or nails 11.

The support proper is preferably formed of spring wire that is centrally bent to form a clip 12 having rounded entrance ends 13, and the arms of the clip are doubled as best shown in Fig. 1, so as to form a rear stop 14 to prevent movement of the bottle neck into contact with the supporting device. The arms of the clip are extended rearward and thence are turned to form a pair of spring coils 15, and thence bent to form arms 16, which at their terminals pass through suitable openings formed in the supporting plate and are riveted or otherwise secured in place at the rear face of the plate.

In practice, the clip or holder will be maintained normally in an approximately vertical position by the coils 15, as shown in Fig. 1, and on the delivery of the milk bottle or similar article, the neck of the bottle is thrust into the clip and then the bottle is released. The weight of the bottle will carry the clip down to an approximately horizontal position and the clip will remain in firm clamping engagement with the bottle neck not only by reason of the inherent elasticity of the arms themselves, but also from the secondary action of the spring coils 15, so that these coils will perform two functions, one to assist the clip in gripping the neck of the bottle and the other to return the holder to its vertical position after the bottle has been removed.

All commercial milk bottles whether of half pint, pint or quart size, have necks of substantially the same diameter so that the holder may readily be used for bottles of any size and the diameter of the clip may be changed in accordance with the character of the article which it is to support.

In the modified structure shown in Fig. 3, the clip proper is shown at 12′. The base portion of this clip is in the form of a plate 20 that is hinged to a small base plate 21 that is provided with openings for the passage of securing devices, and this base plate also carries a small leaf spring 22, the upper end of which bears against the base portion of the clip and tends to hold the latter in a vertical position nearly flat against the supporting surface so as to be out of the way when not in use.

In the construction shown in Fig. 4, the

two terminals of the clip are brought together and are twisted and then shaped to form a screw 23 by stamping or other suitable machinery, so that the holder may be simply screwed in place on the doorway or other support.

With a device constructed in accordance with this invention the milk bottles will be held up from the door step out of harm's way and in convenient position for removal.

What is claimed is:—

1. A bottle holder comprising a supporting member having curved spring jaws arranged for engaging and supporting the neck of a bottle, yielding means for normally holding said supporting member in a vertical position, said yielding means being so proportioned to the weight of a bottle as to permit said supporting member to move down into a horizontal position against the action thereof when a bottle is engaged with said jaws, substantially as described.

2. A bottle support comprising an open clip formed of spring wire that is bent to form a pair of vertically disposed arms, the said arms being bent at their inner ends to form a pair of spring supporting coils that add to the resiliency of the clip arms proper, the coils being so proportioned to the weight of a bottle as to permit the arms to swing down into a horizontal position, substantially as described.

3. A bottle supporting clip formed of spring wire that is bent to form a pair of arms the wire of the arms being doubled and one of the doubled portions extending across to form a rear stop for the bottle, the terminal arms of the clip being thence bent to form a pair of spring-supporting coils that add to the resiliency of the clip arms proper.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM LEAF JACKSON.

Witnesses:

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