July 21, 1936. W. MAGUIRE 2,048,612

BOTTLE HOLDER

Filed Sept. 5, 1935

Fig. 1.

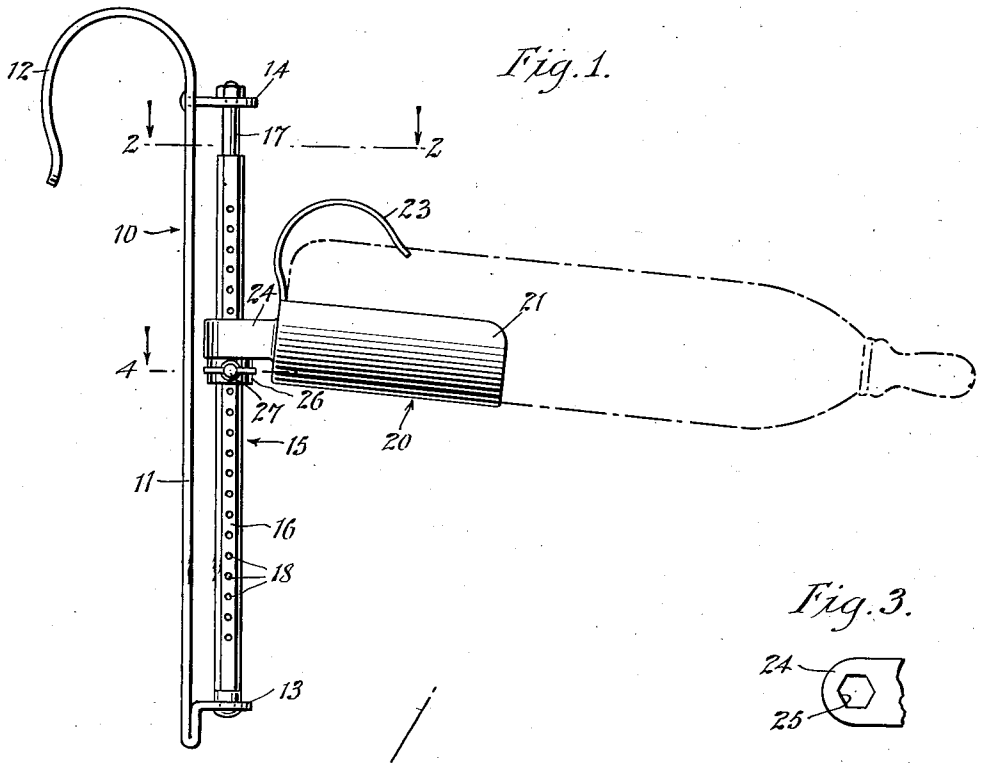


Fig. 3.

Fig. 2.

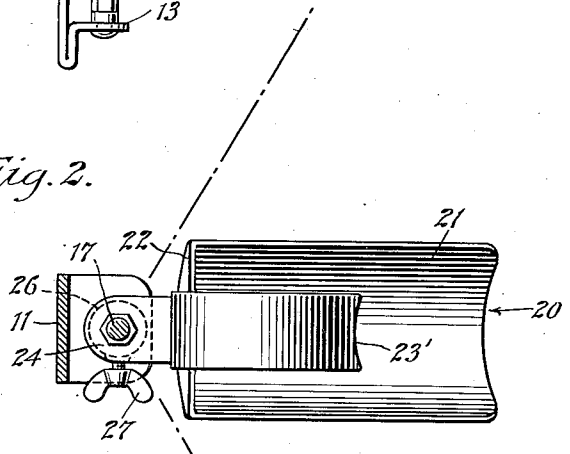


Fig. 4.

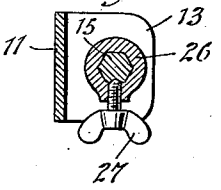
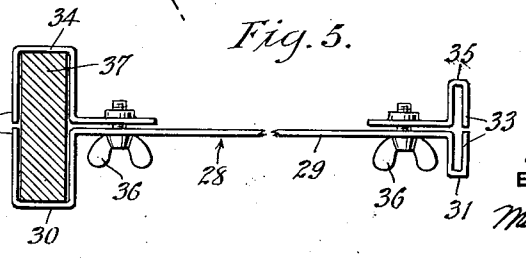


Fig. 5.



WITNESSES

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BOTTLE HOLDER

William Maguire, New York, N. Y.

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1 Claim. (Cl. 248—103)

This invention relates to improvements in bottle holders, and has particular relation to a bottle holder for retaining a baby's bottle in proper position for use in a carriage or crib.

It is an object of the invention to provide an improved device of the above character which can, in a minimum of time, be releasably attached to any type of carriage or crib.

A further object is the provision of an improved bottle holder which can be readily adjusted by an adult to hold a baby's bottle in any desired position, but which when adjusted to proper position can not be accidentally disturbed or shifted from proper position by a baby drinking from the bottle.

In the accompanying drawing:

Fig. 1 is a side elevation of a bottle holder embodying my present invention;

Fig. 2 is a sectional view on the line 2—2 of Fig. 1;

Fig. 3 is a detail view of a portion of the clamping element showing the opening provided to adjustably secure it in position;

Fig. 4 is a sectional view in the direction of the arrows on the line 4—4 of Fig. 1; and

Fig. 5 is a plan view of a bracket which may be used in association with my improved bottle holder.

My improved bottle holder includes a retaining member indicated generally at 10 for holding the bottle holder in proper position in a carriage or the like, and which is formed of a strip of metal having a vertical portion 11 provided with a hooked downwardly depending upper end 12, the strip of metal preferably being of a relatively resilient or springy character so that the hooked portion 12 serves as a clamp for engaging the side of a crib or carriage. Formed integral with the lower end of the retaining member 10 and secured adjacent the upper end of the vertical portion thereof by suitable means, such as a rivet, are horizontally disposed brackets 13 and 14, each provided with an opening therethrough to receive and retain in position a vertically disposed shaft indicated generally at 15.

Throughout the greater part of its length the shaft 15 is multi-sided in form as indicated at 16, which is shown in the drawing as being hexagonal in shape, while a small portion of the upper end of the shaft indicated at 17 is cylindrical in shape, the diameter of the cylindrical portion of the shaft being less than the diameter of the hexagonal portion. Along one of the faces of the hexagonal portion of the shaft a series of small openings or recesses 18 are preferably provided.

To hold the baby's bottle in proper position while in use, I provide a clamping member indicated generally at 20 which is adjustably mounted upon the shaft 15. The clamping member is formed of an arcuate or concave cradle 21 on which the bottle rests, an abutment wall 22 which may be formed integral with the cradle for engaging the lower end of the bottle, a resilient clamping arm 23 extending upwardly from the abutment wall in a loop and having a downwardly depending concave end 23' for engaging the top of the bottle and holding it firmly in position, and with an angularly projecting lug 24 for engaging the shaft 15 and holding the clamping member in inclined position.

Extending through the lug 24 is a multi-faced opening 25, in the present instance hexagonal in shape, corresponding to the multi-sided portion of the shaft 15. The opening 25 engages the shaft and is shiftable vertically along the shaft, but the clamping member can not rotate or shift horizontally through an arc with respect to the shaft while the opening 25 is in engagement with the hexagonal portion 16 of the shaft. However, by raising the clamping member upwardly so that the opening 25 engages the cylindrical portion 17 of the shaft, the clamping member may be rotated horizontally through an arc to any desired angle, and then shifted downwardly along the shaft until the opening 25 engages the hexagonal portion 16, when the clamping member will be retained against accidental horizontal shifting.

To hold the clamping member 20 at the desired vertical position I provide a collar 26 mounted on the shaft 15 below the clamping member 20. The collar may be provided with a circular or hexagonal opening, as shown, of a size to fit around the hexagonal portion of the shaft, and is provided with a thumb screw 27 extending through a threaded horizontal opening through the collar and which may be screwed into engagement with any of the openings 18 formed in one of the sides of the shaft 15 to hold the collar and accordingly the clamping member 20 at any desired level. Due to the fact that the lug 24 meets the abutment wall 22 at an angle a bottle, as shown in dotted lines in Fig. 1, is held in the clamp in a downwardly inclined position so that the contents thereof flows towards the opening in the bottle, thereby preventing gravitational interruption in the feeding of an infant.

In Fig. 5 I show a bracket 28 which may be used

in association with cribs and the like to retain the bottle holder in suitable position for use. The bracket is formed of a strip of metal and has a horizontally disposed straight portion 29 having U-shaped laterally projecting extensions 30 and 31 formed at its two ends, the former being somewhat larger than the latter. Cooperating with the U-shaped extensions so as to provide a pair of clamps 32 and 33 are U-shaped members 34 and 35 which are secured in position with respect to the U-shaped extensions on the bracket, as shown, by means of thumb screws 36 passing through threaded openings in the horizontal portion of the bracket and in extensions provided on the U-shaped members 34 and 35. The larger clamp 32 may be assembled around a vertical upright indicated at 37 to hold the bracket in position, while the smaller clamp 32 is assembled around the vertical portion 11 of the bottle holder.

Of course, it is to be understood that the bracket 28 need only be used in those places where the bottle holder itself can not be clamped directly to the carriage or crib so as to hold the bottle in proper position for use. In most instances it will be found that the hooked portion 12 of the bottle holder may be clamped directly to the side of the carriage or crib and will hold the bottle in proper position.

The bottle shown in dotted lines in Fig. 1 is placed in the clamping member 20 resting upon the cradle 21 and with its lower end in engagement with the abutment wall 22. The clamping member can then be adjusted both vertically and horizontally through an arc as described above, so as to place the end of the bottle in convenient position so that the nipple thereon may enter the baby's mouth. The clamping member can be adjusted horizontally within the limits defined by the dotted lines in Fig. 2. When once adjusted, the bottle can not be accidentally shifted from proper position.

It is to be understood, of course, that modifications may be made in the illustrated and described embodiment of my invention without departing from my invention as defined by the accompanying claim.

I claim:

A bottle holder comprising retaining means for releasably securing the holder in place, a vertically disposed shaft formed with a multi-sided portion and with a cylindrical portion carried by said retaining means, a clamping member for releasably holding a bottle in inclined position, and means associated with said clamping member provided with a multi-faced opening disposed around said shaft so as to support said clamping member, said multi-faced opening corresponding to the multi-sided portion of the shaft so that the clamping member is adjustable vertically of said shaft and is shiftable horizontally through an arc when the opening is in engagement with the cylindrical portion of the shaft, and is retained against horizontal shifting when the opening is in engagement with the multi-sided portion of the shaft.

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