W. B. BARTON.

BOTTLE HOLDER.

APPLICATION FILED NOV. 4, 1914.

1,151,920. Patented Aug. 31, 1915.

Fig. 1.

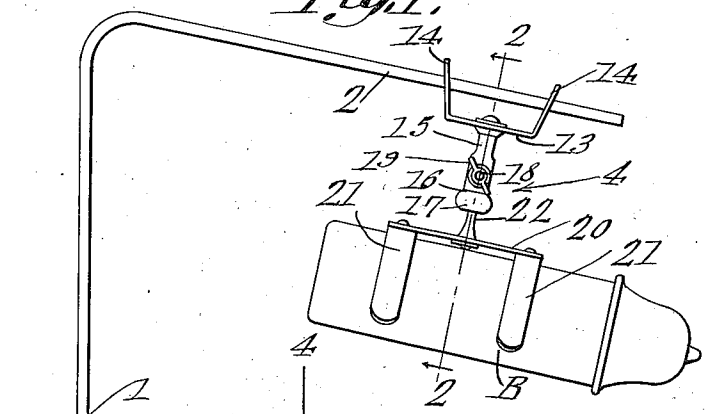


Fig. 2.

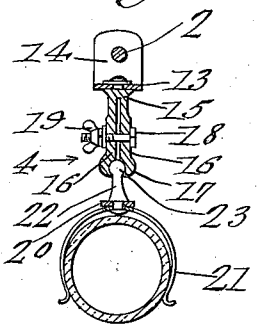


Fig. 3.

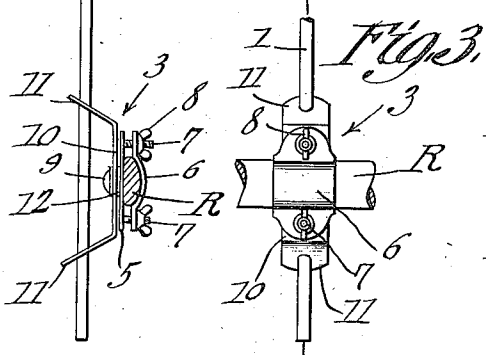
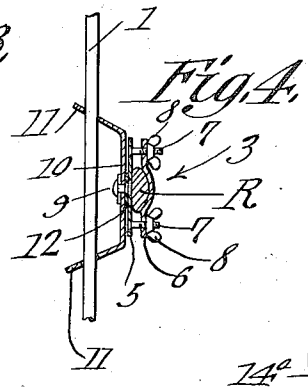


Fig. 4.



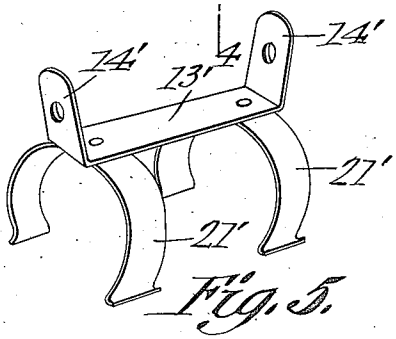
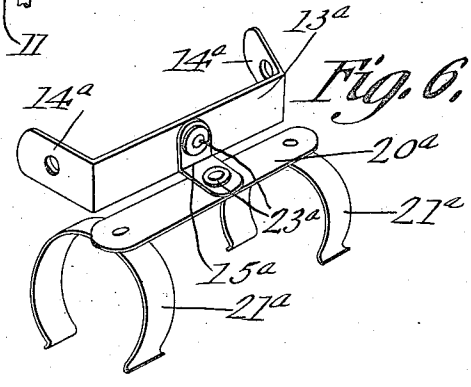


Fig. 5.

Fig. 6.



Witnesses

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BOTTLE-HOLDER.

1,151,920. Specification of Letters Patent. Patented Aug. 31, 1915.

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To all whom it may concern:

Be it known that I, WILLIAM B. BARTON, a citizen of the United States, residing at Dowagiac, in the county of Cass and State of Michigan, have invented a new and useful Bottle-Holder, of which the following is a specification.

The present invention appertains to a bottle holder, and relates more particularly to a device for holding an infant's nursing bottle from a crib, baby carriage, or the like.

It is the object of the invention to provide a bottle holder of such construction, that the bottle may be held at various positions and angles, when the device is applied to a crib, carriage, or the like, and whereby the bottle may be held properly adjacent the infant.

It is also within the scope of this invention, to provide a nursing bottle holder of comparatively simple, non-encumbering and inexpensive construction, which will be convenient and practical in its use.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein:—

Figure 1 is a side elevation of the complete appliance. Fig. 2 is a sectional view on the line 2—2 of Fig. 1. Fig. 3 is an elevation of the clamp. Fig. 4 is a sectional view on the line 4—4 of Fig. 3. Fig. 5 is a perspective view of a modified form of bottle carrier. Fig. 6 is a perspective view of another variation of bottle carrier.

In carrying out the present invention, there is provided a bracket formed from a rod, and embodying the standard 1 having an arm 2 extending angularly from its upper end. The arm 2 may be bent at various angles with respect to the standard 1, and is preferably bent to project downwardly slightly as seen in Fig. 1. The standard 1 is carried adjustably by a clamp 3, while the bracket arm 2 supports an adjustable bottle carrier 4.

The clamp 3 embodies two sections 5 and 6 which are adapted to embrace the rail or other portion R of a crib, carriage, or other support to which the device is to be applied. The ends of the clamp sections 5 and 6 have engaged therethrough, clamping bolts 7 bearing the wing nuts 8 for drawing the clamp sections together. A rivet or pivot member 9 is engaged through the intermediate portion of the clamp section 5 and a resilient strip 10 has its intermediate portion pivotally engaged upon the rivet or pivot member 9 adjacent the clamp section 5, and is provided with the diverging angular apertured ears or ends 11 which engage the standard 1 and which are yieldably separated to bind against the standard and thus hold the standard in place relative to the clamp. A copper or friction washer 12 is preferably disposed on the rivet 9 between the clamp section 5 and strip or gripping element 10, whereby the strip or gripping element 10 and clamp sections 5 and 6 will be frictionally held at any angular position to which they are swung relative to one another. The wing or thumb nuts 8 bear against the clamp section 6, in order that when the nuts are removed, the section 6 may be removed from the bolts 7 to enable the clamp 3 to be applied to or removed from the rail or supporting member R.

The bottle carrier 4 embodies a resilient strip or gripping element 13 having the diverging angular apertured ends or ears 14 engaging or slid upon the arm 2 of the supporting bracket, and a shank 15 is riveted or otherwise engaged to the intermediate portion of the strip or gripping element 13 and projects in a direction opposite the ends or ears 14. The shank 15 is split or divided from its free end to provide the flexible tongues 16, the free ends of which are formed into complementing socket sections 17, and a clamping bolt 18 is engaged through the tongues 16 and is provided with a wing or thumb nut 19 for drawing the tongues 16 toward one another.

The bottle engaging member embodies a bar or strip 20 and a pair of resilient arcuate clips 21 having their intermediate portions riveted or otherwise secured to the ends of the bar 20, whereby the bottle B may be snapped within the clips 21 to be held frictionally thereby. A stem 22 is secured to the intermediate portion of the bar 20 and is provided at its free end with a spherical head or ball 23 engaged within the

socket 17—17 of the shank 15, whereby the bottle engaging member will be connected by a ball and socket joint with the bracket engaging member 13.

The present device may be applied to a crib, carriage, or any other suitable structure, by applying the clamp 3 to an appropriate portion thereof. Then, by pressing the ends or ears 11 of the clamp 3 toward one another, they will release the standard 1, and the standard may then be adjusted upwardly and downwardly relative to the clamp, and when set at the position desired, the ends 11 of the gripping element 10 are released, and they will immediately bind against the standard 1 to hold the standard in place. The gripping element 10 being pivoted to the clamp section 5 may be swung relative thereto, whereby the standard 1 may be held vertical or inclined, or at any other position, and in order that the clamp 3 may be swung to various positions for properly engaging the supporting member R either when the same is vertical, horizontal or inclined. The arm 2 of the standard may also be swung to various positions, according to the circumstances, to assist in positioning the bottle properly. The bottle carrier 4 may be adjusted along and around the arm 2, by pressing the gripping ends 14 of the gripping element 13 toward one another so that they will become released from binding engagement with the arm 2, and whereby the bottle carrier 4 may be slid along and swung around the arm 2 as desired. When the gripping ends 14 of the element 13 are released, they will bind against the arm 2, to hold the carrier 4 at its adjusted position. By loosening the bolt 18 of the carrier 4, the bottle engaging member 20 may be swung to various angles, as may be necessary or desirable, since the ball or head 23 of the stem 22 may rotate between the socket sections 17 when the tongues 16 are released.

It is thus possible to so adjust the present device, that the nursing bottle B may be conveniently held adjacent the infant, and the bottle may be held at the proper inclination or angle for the proper discharge of the milk. The present device thus enables the bottle to be properly held under the various conditions, and without the liability of the bottle becoming displaced, and furthermore, as a cardinal feature, to eliminate the necessity of the attendant or nurse holding the bottle for the infant.

Particular attention is directed to the fact that the standard 1 is carried by the oscillatory gripping element or member 10 at an angle relative to the axis of the oscillatory element 10, and the oscillatory element is provided with means engaging the standard whereby the standard may be adjusted longitudinally of its axis and may be rotated to various angular positions, so that the angularly extending arm 2 of the said standard can be adjusted to and from the axis of the oscillatory element and may be swung to various angular positions about the axis of the standard. Furthermore, it will be observed that the carrier 4 is mounted upon the arm 2 to slide thereon and to be swung to various angles about the axis of the arm 2, while the bottle engaging member 20 is connected to the carrier 4 to be swung to various angles relative to the carrier. The foregoing adjustments will enable the bottle to be held in all possible positions, which enables the device to be used under most all conditions.

In Fig. 5, there is illustrated a modified form of bottle carrier, the same embodying a resilient strip 13′ having the apertured gripping ends 14′ for engaging the bracket arm 2, and arcuate bottle engaging clips 21 attached to the strip 13′ adjacent the gripping ends or ears 14′. This form of bottle carrier is more simple than the one above described, but does not have the range of adjustment of the first form.

The second modification of the bottle carrier, illustrated in Fig. 6, embodies a resilient strip or gripping element 13^a having the angular apertured gripping ends or ears 14^a for engaging the bracket arm 2. The bottle engaging member embodies a bar 20^a having the arcuate bottle engaging clips 21^a riveted or otherwise secured to its ends. The strip 13^a and bar 20^a are adjustably connected by means of an angular member 15^a having its arms pivoted by means of rivets or other pivot members 23^a to the intermediate portions of the strip 13^a and bar 20^a. Thus, the bottle engaging member may be swung to various angles with respect to the gripping element 13^a for properly adjusting or tilting the bottle.

Having thus described the invention, what is claimed as new is:—

1. A bottle holder comprising a clamp, an oscillatory member carried thereby, a standard carried by the oscillatory member at an angle relative to the axis of the oscillatory member, an angularly extending arm carried by the standard for adjustment to and from the axis of the oscillatory member and adapted to be swung to various positions about the axis of the standard, a carrier mounted upon said arm to slide thereon and to be swung to various angles about the axis of said arm, and a bottle engaging member carried by the carrier and arranged to be swung to various angles relative thereto.

2. A bottle holder comprising a clamp, an oscillatory member carried thereby, a standard carried by the oscillatory member at an angle relative to the axis of the oscillatory member, the oscillatory member having means engaging the standard whereby the

standard is adjustable longitudinally of its axis and may be rotated, the standard having an angularly extending arm, a carrier engaging said arm for longitudinal and angular adjustments thereon, and a bottle engaging member carried by the carrier and adapted to be swung to various angles relative thereto.

3. A holding device comprising a resilient strip having diverging angular apertured ends to engage and grip a supporting member, a bar, arcuate resilient clips having their intermediate portions secured to the ends of said bar, and a joint between the intermediate portion of said bar and the intermediate portion of the said strip whereby the bar may be swung to various angles relative to the strip.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM B. BARTON.

Witnesses:
MICHAEL WILLIAMS,
EDWARD S. MCMASTER.