Dec. 6, 1932. R. T. REDDINGTON-DRAGER 1,889,877

BOTTLE HOLDER

Filed Feb. 24, 1932

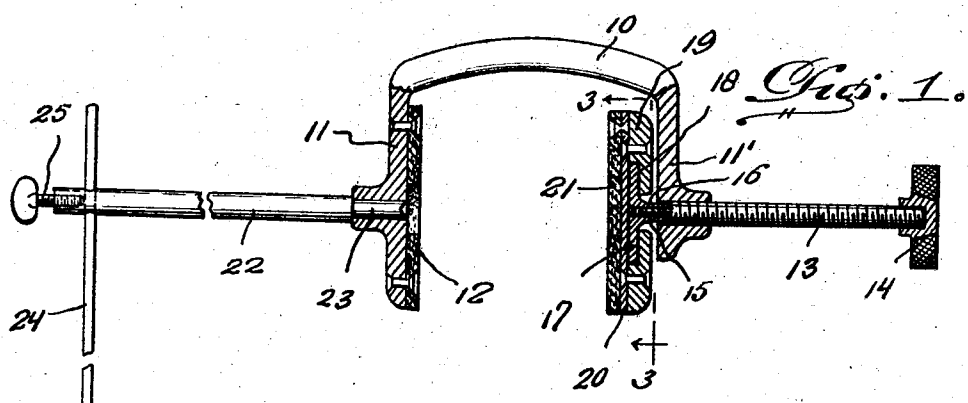
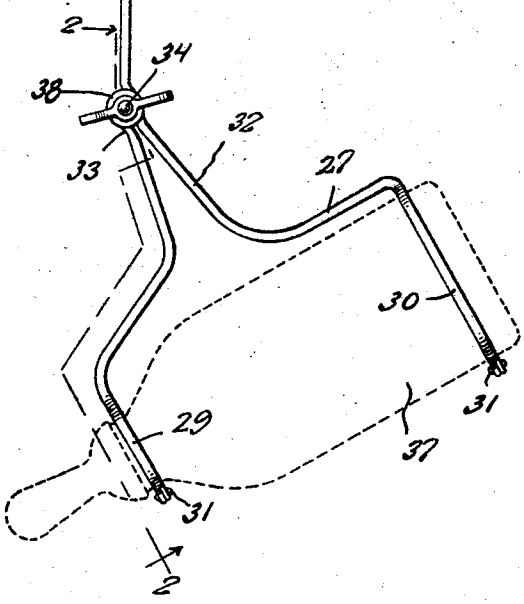


Fig. 1.



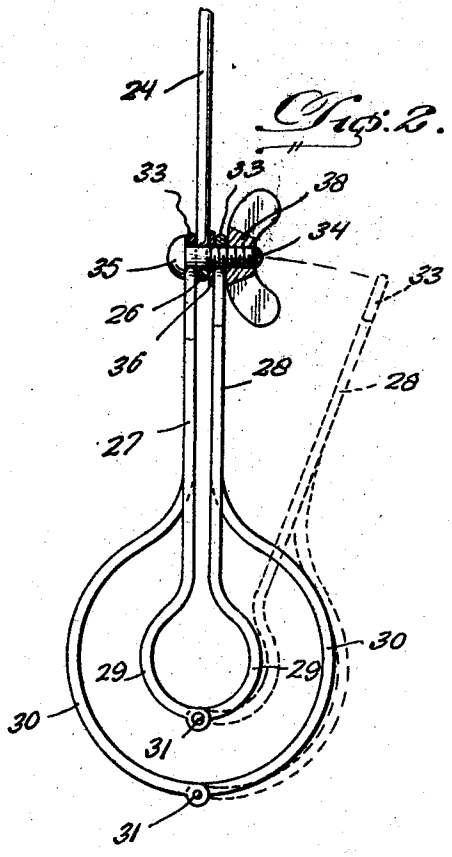
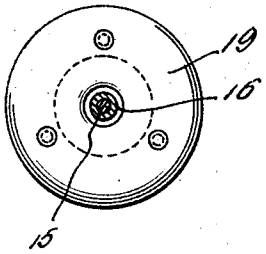


Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE

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BOTTLE HOLDER

Application filed February 24, 1932. Serial No. 594,864.

The present invention has for its object the provision of a device for supporting a nursing bottle on a high chair, bassinet, crib or other suitable support, thereby making it unnecessary for either the infant or nurse to hold the bottle in position for use.

In carrying out the invention I comprehend the provision of a clamp that can be quickly and conveniently associated with the support, the bottle holder being mounted for both rotatable and pivotal movements with relation to the clamp, so that the bottle can be arranged in any desired position for use, depending of course upon the position of the infant.

Another object of the invention resides in the provision of a bottle holder of novel construction, embodying a pair of complementary hingedly connected members unitedly defining spaced bottle receiving loops, and which members can be easily spread apart to receive the bottle and subsequently clamped about the same.

The nature and advantages of the invention will be better understood when the following detail description is read in connection with the accompanying drawing, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawing forming part of this application like numerals of reference indicate similar parts in the several views and wherein:

Figure 1 is a view in elevation, and partly in section illustrating how the invention is used.

Figure 2 is a sectional view on line 2—2 of Figure 1.

Figure 3 is a sectional view on line 3—3 of Figure 1.

The device forming the subject matter of the present invention includes a clamp, the body portion of which is indicated at 10 and preferably of U-shaped formation. Secured to the inner side of one of the parallel members 11 of the clamp is a pad 12 preferably of felt. Adjustable through the other parallel member 11′ of the clamp is a clamp screw 13 having a right hand thread and its outer end threaded into a knurled nut 14 as shown. The inner end of the clamp screw is reduced as at 15, and this reduced extremity is provided with a left hand thread and screwed into a socket 16 which projects centrally from a disk 17. This disk is received in a pocket or recess 18 formed in one side of an annular plate 19 which forms part of the head of the clamp screw. Riveted to the plate 19 is a disk 20 and this disk has riveted or otherwise secured thereto a pad of felt or other suitable material 21. By virtue of this construction the clamping head including the plate 19, disk 20 and its pad 21 is swivelly mounted on the disk 17 carried by the clamp screw 13. Projecting laterally from the parallel member 11 of the clamp is an arm 22 having its inner end reduced as at 23 and press fitted into an opening in the adjacent member of the clamp. The arm 22 adjacent its outer end is provided with a transverse bore to adjustably receive a vertically disposed rod 24 which is held fixed with relation to the arm in a given position by a thumb screw 25 threaded in the outer end of the arm to engage the rod 24. The lower end of this rod 24 terminates to provide an eye 26 from which the bottle holder is suspended, but in a manner to permit the bottle to be arranged in any desired position for use.

The bottle holder proper comprises a pair of complementary hingedly connected members 27 and 28 respectively which unitedly define spaced bottle receiving loops of different diameters and indicated at 29 and 30. While these members may be constructed from any suitable material, they are preferably each formed from a single length of wire, the terminals of which are curved to form part of said loops, and the adjacent terminals of the respective members are hingedly connected together as at 31. Each member is also formed with an upwardly extending intermediate portion 32 formed with an eye 33, and these eyes of the respective members are arranged at opposite sides of the eye 26 of the rod 24 as clearly shown in Figure 2. The bottle holder proper is pivotally mounted on the lower end of the rod 24 so that it can be arranged in different angular positions with relation to the clamp for use, while the rod

24 is not only vertically adjustable through the arm 22, but also capable of rotatable adjustment thereon so that the bottle can be properly adjusted for convenience of the infant, irrespective of the character of support upon which the clamp is arranged.

For pivotally supporting the bottle holder I employ a headed bolt 34 which is passed through the eyes 33 of the holder and also through the eye 26 of the rod 24, the bolt obviously constituting a pivot. In order to maintain the parts assembled, or in other words to prevent a casual separation of the parts from the rod 24 when the holder is opened to insert a bottle therein, or remove a bottle therefrom, the eye 33 of the member 27 of the holder is preferably soldered or otherwise fixed to the head 35 of the bolt 34. A washer 36 is then threaded on the bolt and positioned to engage the eye 26 of rod 24 as shown in Figure 2. The eye 33 of the member 28 of the holder slides on the bolt 34 so that it can be quickly and easily associated therewith or removed therefrom as the occasion may require. This member 28 is separated from the bolt 34 and swung outwardly with relation to its complementary member 27, as illustrated in Figure 2, when it is necessary to either place a bottle 37 within the holder, or remove the bottle therefrom. After the bottle has been arranged within the holder the member 28 is swung into its clamping position with relation to the member 27, whereupon the eye 33 of member 28 is positioned on the bolt 34 against the washer 36. A thumb nut 38 is then placed on the bolt 34 and tightened to hold the members 27 and 28 operatively associated, and to also maintain the holder fixed with relation to the rod 24 in any given adjusted position of the holder. Manifestly the invention provides a device which can be quickly attached to a chair, crib or other article of furniture to support a nursing bottle so that it can be conveniently used by the infant without the necessity of the latter or a nurse holding the bottle for use, and that a practically universal adjustment is provided for so that the bottle can be arranged in the desired position, irrespective of the size or shape of the particular article of furniture to which it is attached.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein illustrated or described and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What is claimed is:

1. In a device of the character described, a clamp including a vertically adjustable rod, a pivot supported by the lower end of the rod, a bottle holder comprising a pair of complementary hingedly connected wire members unitedly defining spaced bottle receiving loops, each member having an intermediate eye receiving said pivot whereby the holder is mounted for pivotal movement, the eye of one wire member being movable off and on said pivot, and means for holding the eye of the last-mentioned member associated with the pivot and for maintaining the holder fixed in any given adjusted position.

2. In a device of the character described, a clamp including a vertically adjustable rod having an eye at its lower end, a headed pivot received by said eye, a bottle holder comprising a pair of complementary hingedly connected members unitedly defining spaced bottle receiving loops, each member having an intermediate eye receiving said pivot, whereby the holder is mounted for pivotal movement with relation to the rod, means for permanently connecting the eye of one of the members with the head of said pivot, the eye of the other member being movable off and on said pivot, and means for holding the eye of the last mentioned member associated with the pivot, and the holder fixed in a given adjusted position.

3. In a device of the character described, a clamp including a vertically adjustable rod having an eye at its lower end, a headed pivot supported by said eye, a bottle holder comprising a pair of complementary hingedly connected members unitedly defining spaced bottle receiving loops, each member having an intermediate eye receiving said pivot and located at opposite sides of the eye of said rod, means for permanently connecting the eye of one member with the head of said pivot, a washer threaded on said pivot and cooperating with the eye of said rod to hold the last mentioned member and said pivot associated with the rod, the eye of the other of said members being movable off and on the pivot to open and close said holder, and means for maintaining the last mentioned member associated with the pivot and the holder against pivotal movement in a given position.

In testimony whereof I affix my signature.

REGINA T. REDDINGTON-DRAGER.