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NURSING BOTTLE HOLDER
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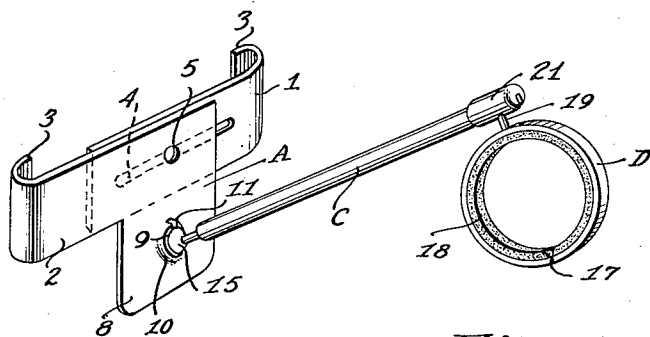


Fig. 1

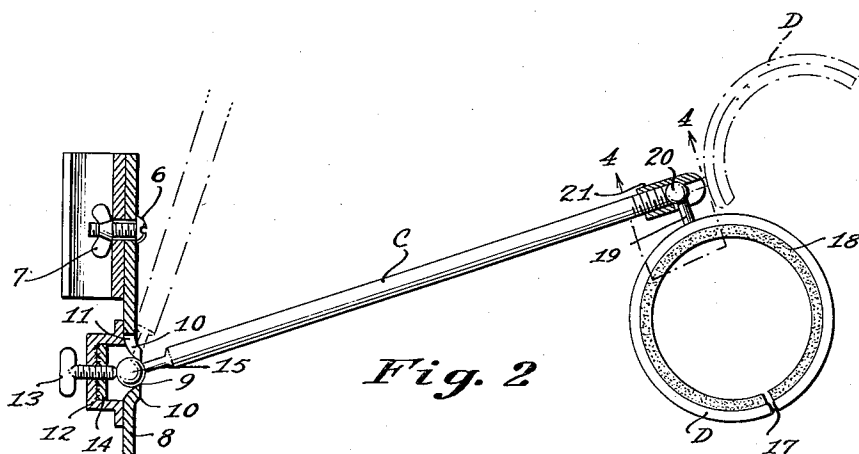


Fig. 2

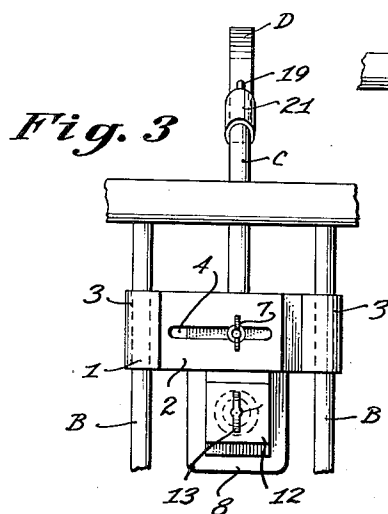


Fig. 3

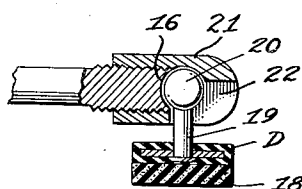


Fig. 4

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NURSING BOTTLE HOLDER

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3 Claims. (Cl. 248—103)

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This invention relates to new and improved holders for nursing bottles of which the following is a specification.

The primary object of this invention resides in the provision of a new and improved device for holding and positioning a nursing bottle within convenient reach of a baby at any time it is desirable to feed the baby thereby eliminating the necessity of watchfulness on the part of an adult during the feeding of the baby, and also eliminating the undesirable chance that the baby may drop the bottle spilling the contents thereof or breaking it bringing about the necessity of additional work for the mother or adult caring for the child.

Another object of this invention resides in the provision of a nursing bottle holder adapted to be adjustably clamped to a crib, carriage or the like allowing the bottle to be placed in a feeding position for the child in said crib or carriage, and thereby eliminating jerky and spasmodic feeding which usually occurs when a bottle is left with a child for self-feeding.

Still another object of this invention resides in the provision of a bottle holder of the character described which is adapted to support and position bottles of various sizes and which enables the bottles to be selectively positioned relative to its point of removable attachment to a crib, carriage or the like.

A further object of this invention is the provision of a nursing bottle holder of the character described which is of simple, durable, and extremely inexpensive design, and a holder which is quickly and easily removably attached to a carriage or a crib for easy and quick selective positioning relative to the needs of the child within the carriage or crib.

Further improvements and advantages of this invention will readily appear to those skilled in the art when the following description is read in the light of the accompanying drawings in which:

Fig. 1 is a prospective view of the invention.

Fig. 2 is a partial vertical section of a side elevation of the invention.

Fig. 3 is a rear view of said invention.

Fig. 4 is a sectional view taken on line 4—4 of Fig. 2.

Referring now to the accompanying drawings which illustrate the preferred embodiment of this invention and in which like numerals indicate similar parts throughout the invention comprises an adjustable clamping and supporting means A for the bottle holder which is composed of two elongated metallic plates 1 and 2 which are pro-

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vided at their outer ends with semicircular hook-like ends 3 which are turned outwardly on the same sides of said members, these hooks being horizontally and oppositely disposed to one another. An elongated horizontal slot 4 is provided in the member 1 and a drilled aperture 5 is provided in the member 2 adapting a threaded bolt 6 to be extended through the aperture 5 and through and beyond the slot 4, when said plates are placed in an adjacent position, where a thumb or wing nut 7 is threaded on the extended end of the bolt 6. This arrangement provides for horizontal adjustable sliding engagement of the plates 1 and 2 which adapts their hooked ends to securely clamp two upright bars B of a crib or the like for the purpose of supporting the bottle holder within the crib at a desired height and position therealong.

The member 2 carries a depending integral plate 8 therefrom which is provided at the center thereof with a circular boss 9 which has outwardly flared edges 10. A slot 11 is provided in the outwardly flared boss at a point directly above the center of the aperture. A metallic U-shaped bracket 12 is secured, by welding or the like, directly behind the aperture on plate 8 with the bottom of the U extended away from the plate in such a manner as to form a space between said bracket and said aperture. An aperture is carried directly in the center of the outer face of said bracket 12 which is adapted to threadedly receive a second thumb-screw or wing nut 13 thereon; its inner end disposed horizontally in alignment with the aperture 9. A washer 14 is carried on the inner face of the bracket in a threaded position about the inserted end of the thumb screw 13.

The bottle holder comprises an elongated cylindrical rod C which carries a universal ball 15 at one end thereof, the second end being threaded for a spaced distance from said end, said end being circularly indented as at 16. The universal ball 15 of the rod C is positioned in the space between the bracket 12 and the plate A with the rod C extending outwardly through the aperture 9 in the outwardly flared boss 10, said ball 15 being of greater diameter than that of the aperture 9 therefore preventing it from being removed through the aperture 9. The set screw 13 is adapted to be turned in to a point where its point engages the ball 15 thus allowing the securing of the rod C in a desired position relative to the supporting plate 8. The slot 11 allows for the vertical positioning of the rod C adjacent the side of the crib or the like when the bottle holder is to be temporarily placed out of use by adapting the

rod to slidably engage the slot 11 thereby permitting its vertical position without contacting and being limited by the circular boss 10.

A circular spring D being divided as at 17 is lined with a rubberized gripping material or the like 18. This spring carries a short shaft 19 at one point on its circumference and an universal ball 20 formed at the outer end of the shaft 19. This ball 20 is positioned in the circularly indented end of the rod C and a hollow threaded cap 21 is threaded over the ball in engagement with the threads on the rod C thereby securely positioning the spring D at the outer end of the rod C. The hollow center of the cap 21 is provided at its inner end with a circular end adapted to conform with the universal ball 20, and a channelway 22 cut in the cap 21 is adapted to allow pivotation of the rod 19 through 90 degrees about the end of the cap 21. Thus a universal joint with a 90 degree limitation and with means for securely positioning in a desired position relative to the rod C is provided. Hence when the device spring D is expanded to receive and securely grasp a nursing bottle the spring D may be positioned within a 90 degree limitation about the end of the rod C by pivotation of the spring on the ball 20, and by readily rotating the cap 21 on the threaded end on the shaft C a new 90 degree limitation area may be provided for the spring D.

Thus it can be seen that a nursing bottle holder which is adapted to be secured to a crib, carriage or the like has been provided with an unlimited field for selectively positioning it within the crib or carriage to facilitate the feeding of an infant reclining therein.

It may also be seen that the clamping and supporting plates 1 and 2 may be positioned upon any two vertical supports of a crib along its length, and may be positioned thereon at any vertical height desired relative to the position of the baby within the crib. It may also be seen that a nursing bottle holder has been provided which is universally selectively adjustable to position the bottle at any desired point within the crib or carriage for the purpose of feeding an infant therein who is reclining or sitting at any point therein thus eliminating the necessity of watchfulness and the possibility of broken bottles and the like.

It must also be considered that the materials comprising this device may be metallic in nature or of a plastic material and such changes in material, size, and shape would not constitute a departure from the spirit of this invention.

Having thus described the construction and function of this invention what I desire to claim in Letters Patent is:

1. A nursing bottle holder of the character described comprising, a pair of plates, means adapting said plates to be horizontally adjusted, hooked ends on said plates adapting them to be removably secured to the side of a crib or the like, an aper-

ture in one of said plates with an outwardly extending boss thereabout, a U-shaped bracket secured to the back of said plate behind said aperture, a thumb screw carried by said bracket directly disposed toward said aperture, an elongated arm, a universal ball carried by one end of said arm, said ball positioned behind said plate with the arm extending outwardly through said aperture and said ball selectively positioned and secured behind said plate by said thumb screw, a circular divided spring provided with a bottle gripping material, a shaft carried by said spring with a universal ball carried by the extended end of said shaft, and a universal socket provided at the second end of said arm adapted to swivelly mount said spring carried ball therein for the purpose described.

2. A device as set forth in claim 1 wherein the extended end of said arm is circularly detented, a hollow cap provided with a center of the same diameter as the spring carried universal ball is adapted to be threaded over said ball and arm end, a channelway cut in the end and side of said cap permits the limited universal movement for the purpose described.

3. A nursing bottle holder comprising a first plate, a second plate arranged in side by side abutting relation with respect to said first plate, each of said plates having a hooked end, the hooked ends being arranged in opposed relation with respect to each other and forming gripping means for engaging a side of a crib, means connecting said plates for sliding linear movement relative to each other, an elongated rod having one end extending through and supported in one of said plates and projecting beyond the latter, a ball on the projecting end of said rod, a bracket surrounding said ball and secured to said one of said plates, means rotatably supported in said bracket and engageable with said ball for fixedly securing said rod in any select position of support, and a bottle-gripping means on the other end of said rod and mounted for universal movement thereon.

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