Aug. 30, 1932. T. A. HANSEN 1,874,514

NURSING BOTTLE HOLDER

Filed July 30, 1931

Fig. 1.

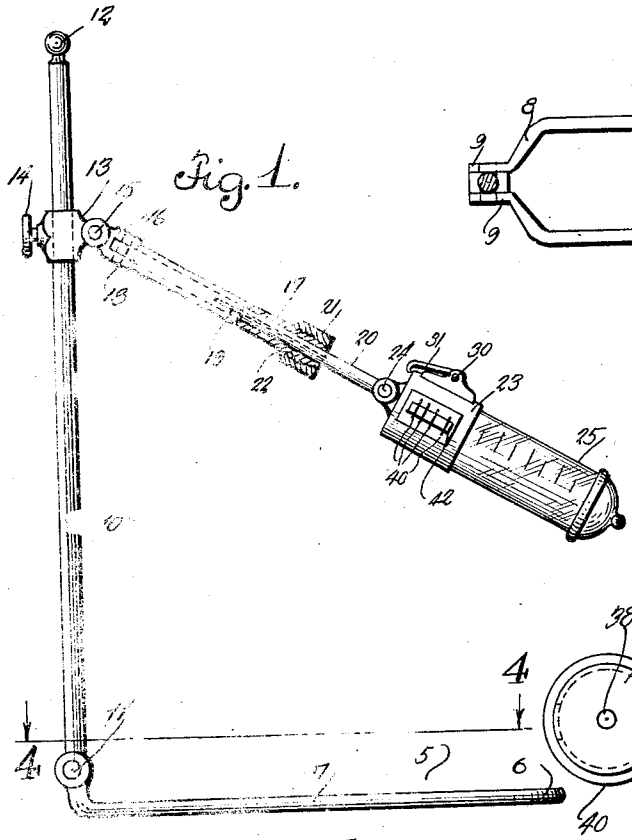


Fig. 4.

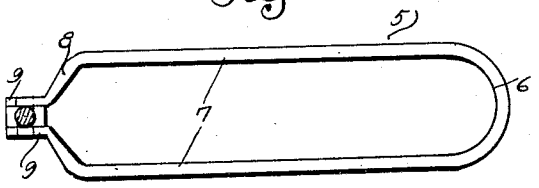


Fig. 3.

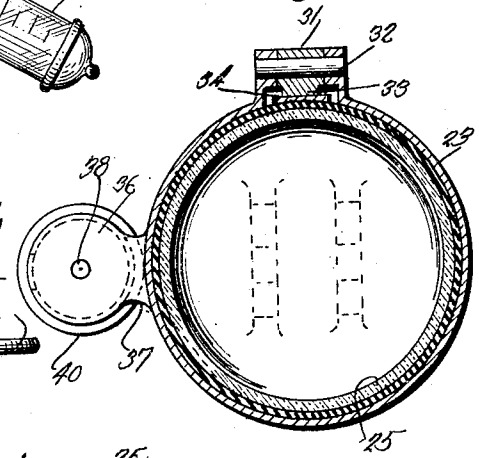
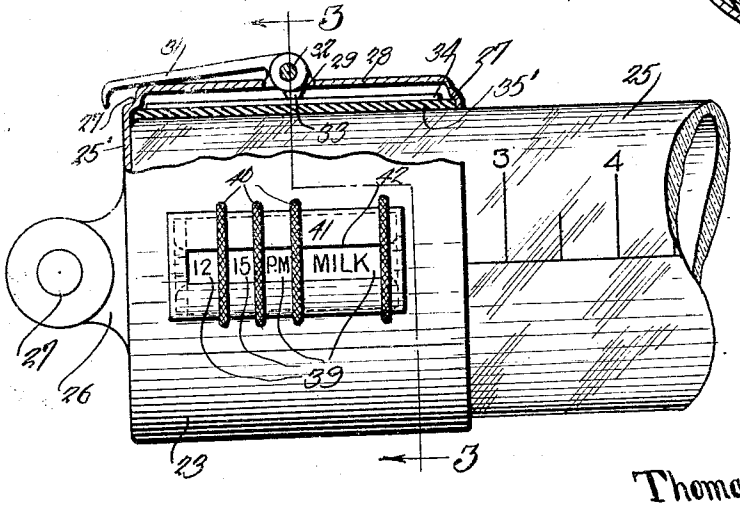


Fig. 2.



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Patented Aug. 30, 1932 1,874,514

UNITED STATES PATENT OFFICE

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NURSING BOTTLE HOLDER

Application filed July 30, 1931. Serial No. 554,133.

This invention relates to nursing bottle holders, and the invention comprises a supporting member adapted to be placed between the bed springs and mattress of a bedstead or upon the bed covers and the supported member is provided with a pivoted vertical upright to which is slidably connected telescopic arms also pivoted relative to the vertical upright on the outer ends of which is secured a nursing bottle holder adjustable relative to the telescopic arms.

The invention further comprises an indicator adapted to be secured to the nursing bottle holder so that the exact hour an infant is fed may be determined in order to determine the time of the next feeding. The indicator may be of any desired form but the invention is illustrated in the form of a disk wheel type.

A novel bottle clamping member associated with the bottle holder constitutes a part of the invention as does also the structural details and arrangements of the parts.

Heretofore, it has been customary for nurses and attendants in maternity hospitals to keep a chart or record of the exact hours the infants are fed in order to ascertain the next hour or time of feeding.

The above practice has numerous disadvantages and objections, due to the fact that the sheets are cumbersome and the records employed consume sufficient time to distract nurses and attendants from other duty.

The above objections and disadvantages are overcome by providing a nursing bottle having the before mentioned characteristics including an indicator permanently secured to the nursing bottle holder.

Other objects and advantages of the invention will become apparent during the course of the following description, forming a part of this specification and in which,

Figure 1 is a side elevation of the invention partly in section illustrating the manner in which the several parts are connected and adjustably secured together;

Figure 2 is a side elevational view enlarged and partly in section of the bottle holder showing the indicator and clamping member more clearly and in detail;

Figure 3 is a transverse cross-sectional view taken on line 3—3 of Figure 2, illustrating the construction and arrangement of the indicator and clamping device;

Figure 4 is a horizontal cross-sectional view of the device illustrating the configuration of the supporting base member.

In the drawing, wherein for the purpose of illustrating the invention and wherein like reference characters will be employed to designate like parts throughout the same, the reference character 5 will generally be employed to designate a base member formed of a piece of heavy wire bent upon itself as at 6 to form opposite parallel legs 7. The free ends of the opposite parallel legs 7 are bent inwardly as at 8 and terminate in parallel portions 9.

Between the parallel portions 9 of the base member 5 is pivotally secured a vertical standard 10 by means of a suitable pivot pin as at 11. The upper end of the standard 10 may be provided with a stop member 12, the purpose of which will be described in the following paragraph.

Slidably mounted upon the vertical standard 10 is a collar 13 having a thumb screw 14 threaded therein so that the collar 13 may be held in any desired position relative to the standard 10 and the knob or ball 12 to prevent the collar 13 from passing beyond the limit of the vertical standard 10.

Pivotally secured to the collar 13 as at 15 is a universal swivel joint 16 to which is pivoted one end of a telescopic bar or rod 17 as at 18. The free end of the telescopic rod 17 is slotted on opposite sides as at 19 to privide a spring socket for the associated telescoping rod 20, which slides freely within the rods 17 and is adapted to be held against movement by means of a screw threaded collar 21 threaded on a tapered portion 22 of the telescopic rod 17. The slots in the free end of the telescopic rod 17 are illustrated in Figure 1 partly broken away and shown by dotted lines. It will be noted that tightening of the screw threaded collar 21 upon the tapered portion 22 of the rod 17 that the opposite portion of the telescopic

rod 17 on each side of the slot 19 will be contracted to grip firmly the rod 20.

The free end of the rod 20 enters the telescopic rod and the opposite end is secured in a pivotal fashion to a cylindrical nursing bottle holdler 23 as at 24 so that the nursing bottle 25 may be moved in a vertical direction.

It is to be noted that the nursing bottle holder 23 is cup-shaped and has one end open while the opposite end is closed as at 25′ and is provided with a boss 26 having a bearing 27 through which the bearing pin 24 passes.

It is to be noted that the nursing bottle holder 23 is formed on the peripheral ends with annular depressions 27 to produce a struck up rib 28 having a central slot 29 and struck up ears 30 in order that a clamping lever 31 may be pivoted thereto as at 32 to allow a slight projection thereon as at 33 to engage a metallic clamping bar 34. An interior lining of rubber or other flexible and compressible material 35 is provided within the nursing bottle holder 23 for engaging the periphery of the nursing bottle 25 and frictionally holding the same in place after the clamping lever 31 has been moved to the position shown in Figure 2 to bring the extension 33 into engagement with the plate 34. This construction allows the nursing bottle to be inserted in the holder and reduces the liability of cracking or breaking of the bottle.

Formed integral on the periphery of the nursing bottle holder 23 is a pair of opposite bearing supports 36 having reduced portions 37 connecting to the nursing bottle holder 23. Rotatably mounted between the bearing supports 36 is a plurality of disks 39 having suitable markings or numerals on the periphery thereof, each of which is adapted to be turned by a knurled thumb piece 40. It is to be understood that there is provided a knurled thumb piece 40 for each of the indicating disks 39. Connecting the bearing support 36 is a tubular member having a longitudinal slot 42 and transverse slots for the passage of the knurled thumb pieces 40 so that the same will project for the purpose of being operated.

It is to be understood that the form of the invention herewith shown and described is to be taken as the preferred embodiment of the same and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

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

An adjustable nursing bottle holder of the character described, comprising a base, a vertical standard rising therefrom, a rod adjustable on the standard, a cylindrical nursing bottle holder pivotally secured to the outer end of the rod, a clamping plate carried within the cylindrical nursing bottle holder, a lever having a cam portion adapted to be moved into and out of engagement with the clamping plate to move the same into and out of engagement with the nursing bottle and a flexible and compressible lining member for the nursing bottle holder.

In testimony whereof I affix my signature.

THOMAS A. HANSEN.