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NURSING BOTTLE HOLDER

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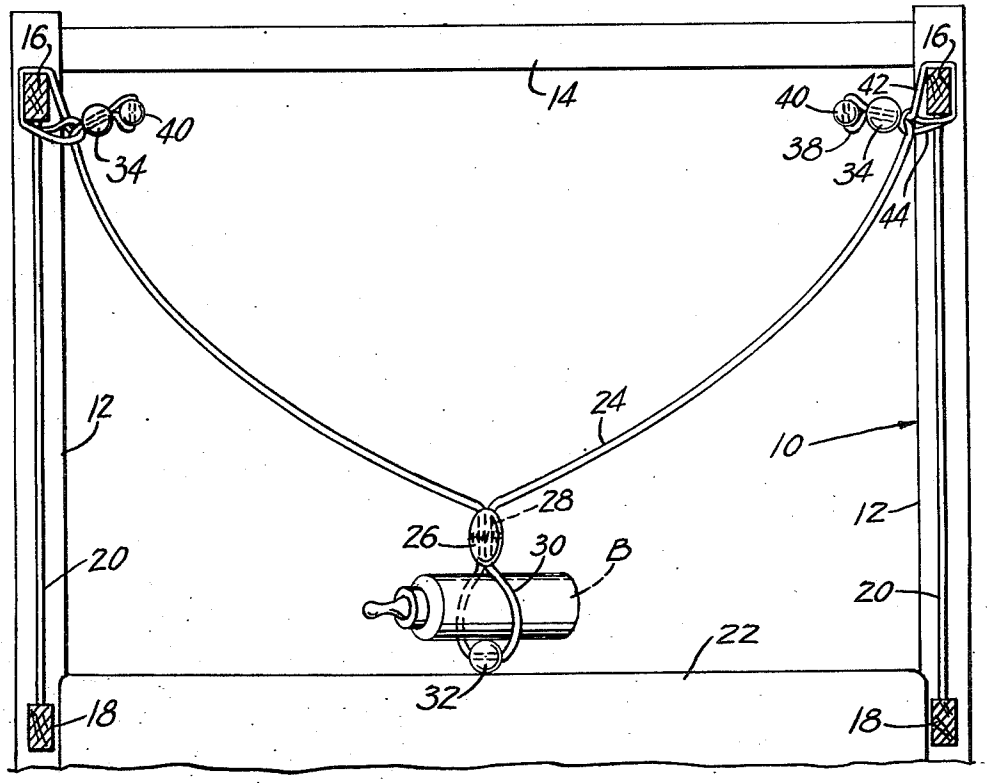


FIG. 1

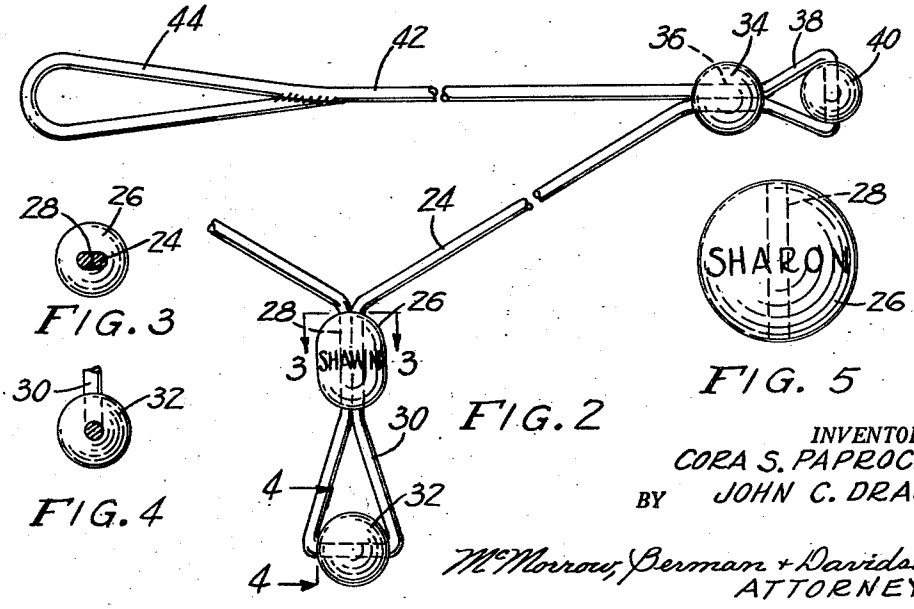


FIG. 3

FIG. 4

FIG. 2

FIG. 5

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NURSING BOTTLE HOLDER

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3 Claims. (Cl. 248—102)

This invention relates to holders for nursing bottles, of the type adapted to be mounted upon a crib, baby carriage or the like.

The main object of the present invention is to provide a generally improved holder of the type referred to, and among more specific objects of the invention are the following:

To provide a holder which will be formed entirely from flexible, soft rope or cord material and from associated, colorful beads, thus to simplify the construction measurably while imparting particular attractiveness thereto;

To provide a holder as described which will be readily adjustable to permit the supported bottle to be disposed at a selected elevation above the mattress of the crib or carriage;

To so design the holder as to facilitate its engagement with the nursing bottle, while at the same time facilitating its disengagement from said bottle;

To form the holder in such a manner as to cause it to interfere to a minimum extent with lowering of the side of the crib, changing of the bed clothes, etc.; and

To provide a holder as described which will be highly durable, sanitary, and so designed as to reduce to a minimum the possibility of injury to the infant.

Other objects will appear from the following description, the claims appended thereto, and from the annexed drawings, in which like reference characters designate like parts throughout the several views, and wherein:

Figure 1 is a transverse sectional view through a crib, equipped with a nursing bottle holder formed in accordance with the present invention;

Figure 2 is an enlarged, fragmentary elevational view of the holder per se;

Figure 3 is a transverse sectional view on line 3—3 of Figure 2;

Figure 4 is a sectional view on line 4—4 of Figure 2; and

Figure 5 is a perspective view of one of the beads per se.

The reference numeral 10 designates a conventional crib, having the usual corner posts 12.

Connected between the corner posts, at opposite ends of the crib, are cross bars 14, and along opposite sides of the crib there are provided the side rails 16, 18, connected by vertical slats 20.

A mattress 22 is provided in the crib. In this connection, although a crib is illustrated, it will be understood that the nursing bottle can be used within a baby carriage or other enclosure such as a play pen, in which the baby may be confined. Further, one of the crib sides illustrated would ordinarily be vertically adjustable, to provide ready access to the infant, and as will presently appear, the nursing bottle holder formed in accordance with the present invention is so designed as to facilitate the raising and lowering of the crib side without interference from the holder.

The holder constituting the present invention includes an elongated cord 24, which can be formed of braided, soft rope or the like, and which can be of a single color or, alternatively, can comprise intertwisted strands of different colors. In any event, the cord 24, medially between its opposite ends, is folded upon itself, for passage through a wooden or plastic bead 26, having a bore 28 of oblong cross section adapted to receive the side by side thicknesses of the folded portions of the cord as shown in Figure 3. The portion of the cord below the bead constitutes a closed loop 30, and threaded onto the material of said closed loop is a bead 32.

As shown, the bead 26, and for that matter any of the other beads, can be provided with a name of the infant, or alternatively, can be suitably colored as desired, all for the purpose of increasing the attractiveness of the device without accompanying increase in the cost of manufacture.

A conventional nursing bottle has been designated by the reference letter B, and in engaging the nursing bottle in the loop, the bead 26 is first shifted away from the bead 32, to elongate the loop 30. Then, the bottle is inserted, and the bead 26 is forced downwardly, so as to shorten the loop and cause the bottle to be firmly gripped therein in contact with the bead 32.

At each end of the cord, there is provided a pair of beads and a loop, and since the beads and loop at each end of the cord are identical, the description of one will suffice for both. As shown in Figure 2, a bead 34 is provided, similar to the bead 26, having a bore 36 of oblong cross section. The end portion of the cord is folded upon itself inwardly from the extremity of the cord, and the folded, contacting portions are extended through the bore 36. This defines a loop 38, on which is threaded a bead 40, and the portion of the cord between the beads 36, 40 and the free end thereof has been designated at 42, and is provided with a permanently fashioned loop 44.

In use of the device, the beads 34 adajacent the opposite ends of the cord are first adjusted, by pulling the cords for the desired length and setting the beads 40 next to the beads 34, after which the cord is pulled until the beads 40 are centered. The purpose of this arrangement is to shorten or lengthen the cord as necessary, so that the bottle B will be supported at a particular, selected elevation relative to the mattress 22. Then, the loop 44 is extended about the crib guard rail 16, and is passed over the beads 34, 40 as shown in Figure 1, to secure the holder to the guard rail. This causes the cord to be suspended between the guard rails as a flexible, approximately V-shaped support member, with the loops 30 disposed at the midlength point or apex of said member.

The bead 28 is now shifted along the cord 24 in the manner referred to previously to adjust the sides of the loop 30 for insertion of the bottle, after which the bead 26 is tightened in the direction of the bottle to secure the bottle properly in place. The loop can be adjusted toward the nipple of the bottle so that when the bottle is partly finished and the infant does not desire any more, it will turn the nipple upward to avoid spilling the milk on the infant or on the crib.

When the guard fence of the crib is dropped for taking out the baby or for changing the infant's bed clothes, it is merely necessary to disengage the loop 44 at one side of the crib, to set the holder aside for the moment, during the lowering and raising of the guard fence.

The entire device, of course, is so designed as to minimize the possibility of injury to the infant, and further, represents an attractive plaything for the infant when not in use as a nursing bottle holder. Still further, the device is sanitary and can be easily cleaned, and can be swiftly adjusted to any size for use in any crib or carriage. Apart from this, the device is so designed as to

be capable of manufacture at low cost, being formed wholly of a cord and a few beads.

It is believed apparent that the invention is not necessarily confined to the specific use or uses thereof described above, since it may be utilized for any purpose to which it may be suited. Nor is the invention to be necessarily limited to the specific construction illustrated and described, since such construction is only intended to be illustrative of the principles, it being considered that the invention comprehends any minor change in construction that may be permitted within the scope of the appended claims.

What is claimed is:

1. A nursing bottle holder comprising a single length of cord material; and pairs of beads spaced along said length of material, one of said pairs being disposed medially between opposite ends of the length of material, the midlength portion of said length of material being folded upon itself and passing through one of the beads of said one pair to form a loop for receiving a nursing bottle with said bottle in contact with the other bead of said one pair, the other pairs of beads being disposed adjacent opposite ends of said length of material, one bead of each of said other pairs receiving the material folded upon itself to provide a loop for adjusting the overall length of said material, said cord at opposite ends thereof being adapted to be looped about an adjacent portion of a crib or the like and engaged with the beads of said last named pairs to dispose the cord as a substantially V-shaped flexible member within the crib, the bottle receiving loop extending downwardly from the midlength point of said V-shaped member.

2. A nursing bottle holder for suspension from the side rails of a crib, comprising a single length of cord the opposite ends of which are formed with elongated, permanently closed, flexible loops; means intermediate the ends of said length adapted for supporting a nursing bottle; and pairs of beads threaded onto said length, one pair adjacent each end thereof, one bead of each pair receiving the cord folded upon itself to provide a loop, the other bead of each pair being threaded onto the bight portion of the last named loop whereby to spread the sides of the last named loop and thus effect a wedging of said sides in the first bead of the pair responsive to movement of the first bead of the pair toward said other bead of the same pair, the end portions of the length of cord being extendable about the opposite rails of a crib, the beads of each pair being loosely engaged in the first named loop to cooperate with the first named loop in holding the end portions of the cord in position about said rails.

3. A nursing bottle holder comprising a single length of cord material; and pairs of beads spaced along said length of material, one of said pairs being disposed medially between opposite ends of the length of material, the midlength portion of said length of material being folded upon itself and passing through one of the beads of said one pair to form a loop for receiving a nursing bottle with said bottle in contact with the other bead of said one pair, the other pairs of beads being disposed adjacent opposite ends of said length of material, one bead of each of said other pairs receiving the material folded upon itself to provide a loop for adjusting the overall length of said material, the other bead of each pair having a diametrically extending bore receiving the bight portion of said loop, to hold said bight portion rigid and thereby maintain in a spread condition the sides of the loop, to effect a wedging of said sides in said one bead of the same pair responsive to shifting of said one bead toward the other bead, said cord at opposite ends thereof being adapted to be looped about an adjacent portion of a crib or the like and engaged with the beads of said last named pairs to dispose the cord as a substantially V-shaped flexible member within the crib, the bottle receiving loop extending downwardly from the midlength point of said V-shaped member.

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