Dec. 17, 1929. G. R. LIVERGOOD 1,739,910

COMBINED NIPPLE AND BOTTLE HOLDER

Filed May 6, 1927

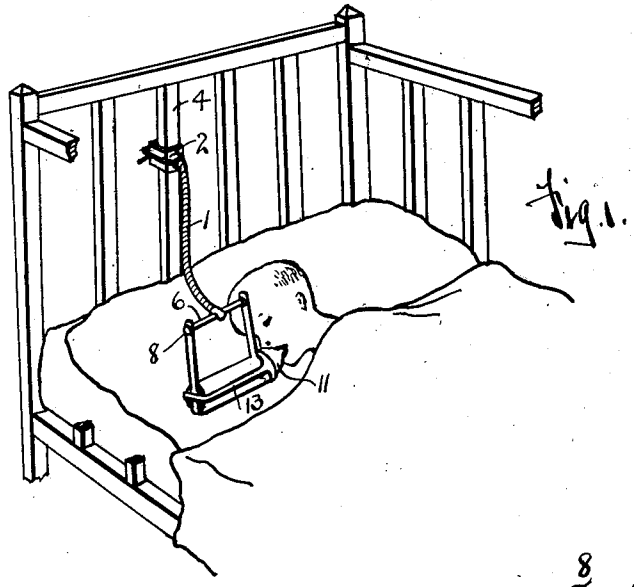


Fig. 1.

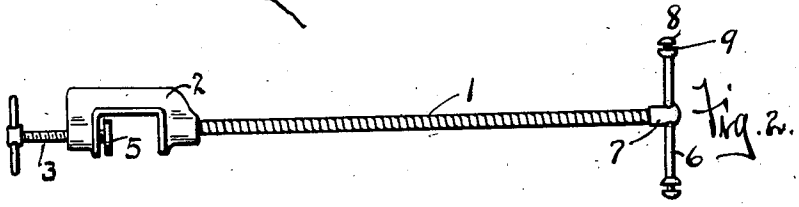


Fig. 2.

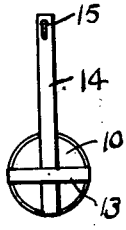


Fig. 3.

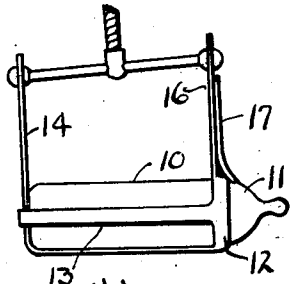


Fig. 4.

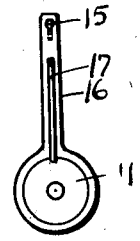


Fig. 5.

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By Jesse R. Stone

His Attorney

Patented Dec. 17, 1929 1,739,910

UNITED STATES PATENT OFFICE

GERALD R. LIVERGOOD, OF HOUSTON, TEX.

COMBINED NIPPLE AND BOTTLE HOLDER

Application filed May 6, 1927. Serial No. 189,285.

My invention relates to means for supporting a bottle in any desired position. It is particularly adapted to support a nursing bottle in position for use by the infant, although it may obviously be applied to other uses.

The device is designed as an improvement upon the structure disclosed in my prior application, Serial No. 166,658, filed February 8th, 1927, wherein the structure of the supporting arm is claimed.

It is an object of the invention to provide a support and holder which is readily attachable to a bed, chair or other similar support and then adjusted into any desired position.

It is also an object to provide a particularly efficient means for engaging and retaining the bottle which is to be supported.

It is an aim to provide means connected with the holder and the bottle to allow the admission of air to the bottle without danger of loss of the liquid in the bottle.

Referring to the drawing herewith, Fig. 1 is a broken perspective view of a bed with my invention applied thereto. Fig. 2 is a top plan view of the invention. Figs. 3, 4 and 5 are rear, side, and front elevations respectively of the bottle and its holder.

The support comprises an arm 1 which is preferably flexible and adjustable to set at any desired angular position relative to a clamping bracket 2 by means of which it may be attached to any stationary object or piece of furniture such as a bed 4.

The clamp 2 is shown as a U-shaped member, one leg of which is connected to the arm 1. The other leg has a threaded opening therethrough to receive a hand screw 3 having a head 5 within the member 2 adjustable to clamp the arm at any desired point along the side of the bed.

The forward end of the arm has a cross bar 6 secured rigidly to the arm at 7. The bar 6 is of the desired length to accord with the size of bottle which is to be held. Its ends are formed into approximately spherical heads 8, each head having a groove 9 transversely of the bar.

The holder is shaped to receive a bottle 10 of the usual shape. Said holder comprises a nipple 11 of a common shape formed to fit about the forward end of the bottle. A reinforcing ring 12 reinforces the edge of the nipple and assists in maintaining a tight fit with the bottle. A plurality of straps 13 extend along the sides and bottom of the bottle sufficient in number to form a cradle to receive and support the bottle. One strap 14 is extended upwardly at the bottom end of the bottle and has a button hole 15 therein to fit over one of the heads 8 and within the groove 9. A forward strap 16 connects with the ring 12 on the holder and has a button hole 15 to receive the opposite head 8 of the bar 6. The forward strap 16 may be of slightly greater length than that of the strap 14, if desired.

A vent is provided for the bottle by connecting a small rubber tube 17 through the wall of the nipple 11 on the upper side thereof and securing said tube to the strap 16. It is contemplated that the nipple, the cradle for the bottle formed of the straps 13, as well as the straps 14 and 16, and the tube 17, will all be formed of rubber vulcanized or otherwise secured together into an integral frame to receive the bottle.

In use the flexible arm 1 may be adjusted into the desired position and the bottle-holder buttoned upon the heads 8 of the cross bar 6, as shown in Figs. 1 and 4, and the angle of the bar relative to the arm 1 may be inclined as desired to set the bottle so as to allow the contents to flow to the nipple 1. The air vent will allow a continuous flow without formation of a partial vacuum in the bottle and obviously none of the contents of the bottle will escape from the bent tube 17.

The arm, the cross bar, and heads 8, 8 have been rounded and there are no angles or corners upon which a child could injure itself. The device is exceedingly simple and strong and may be sold at a reasonable price.

Having thus described my invention, what I claim as new is:

1. A device of the character described, including a nipple, a reinforcing shoulder and a plurality of straps formed integral with said nipple and adapted to retain a bottle

in said nipple, button holes formed in some of said straps.

2. A device of the character described, including a nipple, a reinforcing shoulder and a plurality of straps formed integral with said nipple and adapted to retain a bottle in said nipple, button holes formed in some of said straps, and a vent tube for said nipple.

3. A device of the character described, including a nipple, a reinforcing shoulder and a plurality of straps formed integral with said nipple and adapted to retain a bottle in said nipple, button holes formed in some of said straps and a vent tube for said nipple, attached to the shoulder and one of said straps.

In testimony whereof I hereunto affix my signature this 27th day of April, A. D. 1927.

GERALD R. LIVERGOOD.