

(No Model.)

M. McQ. FALLON.
NURSING BOTTLE HOLDER.

No. 561,877.

Patented June 9, 1896.

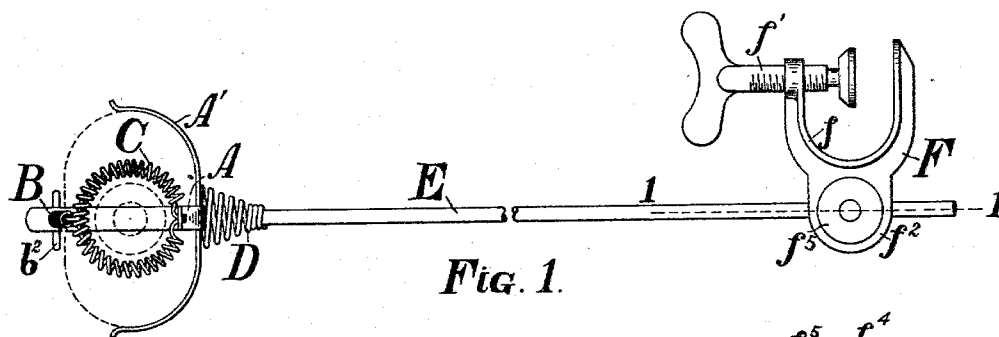


FIG. 1.

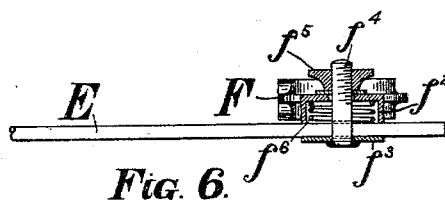


FIG. 6.

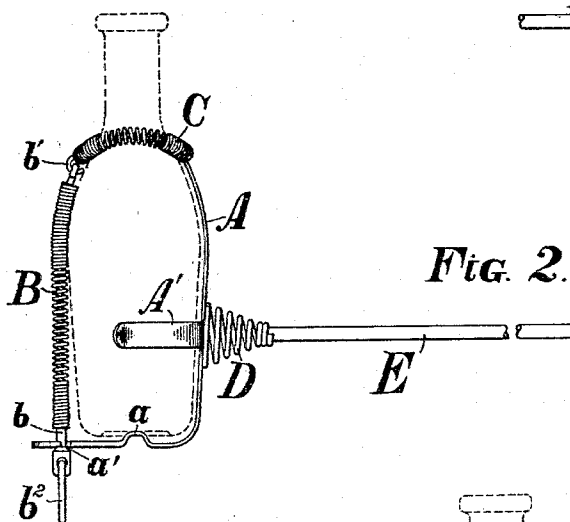


FIG. 2.

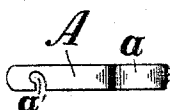


FIG. 4.

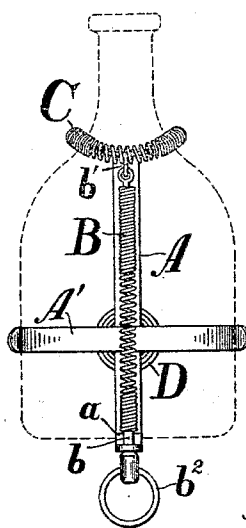


FIG. 3.

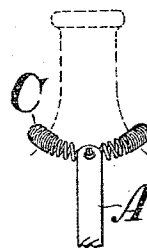


FIG. 5.

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MOLLY McQ. FALLON, OF CINCINNATI, OHIO.

NURSING-BOTTLE HOLDER.

SPECIFICATION forming part of Letters Patent No. 561,877, dated June 9, 1896.

Application filed October 14, 1895. Serial No. 565,534. (No model.)

To all whom it may concern:

Be it known that I, MOLLY McQ. FALLON, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Nursing-Bottle Holders, of which the following is a specification.

My invention relates to nursing-bottle holders. Its object is to provide an economical and reliable device to hold bottles of different sizes yielding in any desired position.

The invention consists in the peculiar arrangement and combination of parts illustrated in the accompanying drawings, described fully in the specification, and particularly referred to in the claims.

Referring to the drawings, in which like parts are indicated by similar reference-letters wherever they occur throughout the various views, Figure 1 is a longitudinal elevation of the holder with the bottle in position, looking in the direction of the mouth of the bottle. Fig. 2 is a similar view, but with the parts turned on the axis of the supporting-rod at a right angle to the view shown in Fig. 1. Fig. 3 is an end elevation of the holder, the parts being turned at a right angle around the axis of the bottle, as shown in Fig. 2. Fig. 4 is a detail view in elevation of the locking end of the clamping-frame. Fig. 5 is a detail view of the opposite end of the locking-frame, showing its connection to the neck-holder. Fig. 6 is a diametrical section through line 1-1 of Fig. 1. In Figs. 1, 2, 3, and 5 the bottle is shown in dotted line.

The frame of the holder is composed of the spring-metal strap A, and the spring-arms A', which cross it at a right angle. The bar A is formed to pass upon one side of the bottle, and has its lower end bent to pass underneath the bottom of the bottle and extend some distance beyond the opposite side. In the bent arm of the spring-metal strap A is formed a loop a to bear against the concave bottom of the bottle, and the extended end is notched at a' to receive the rod b, to which is secured the coiled-spring holder B. The neck-holder C is a ring formed of a coiled spring, to one side of which is secured the upper end of the spring-metal strap A, and diametrically opposite from this is secured the hook b', which is secured to one end of the spring-holder B.

To the spring-strap holder A and A' is secured at their crossing-point the base of a coiled cone-spring D, to the apex of which is secured a spring-metal rod E, which rod is longitudinally and axially adjustable in the head of the clamp F.

The clamp for securing the bottle-holder to any fixed object consists of a yoke f, through one arm of which is tapped the clamping-screw f' and the head f², in which the rod E is clamped. The head f² is a cylindrical shell, the edge of which is provided with semicircular notches to seat the rod E.

f³ is a washer, and f⁴ is a bolt which passes through the washer and axially through the bottom or base of the cylindrical shell f², and f⁵ is a nut upon the end of the bolt f⁴ for drawing the washer firmly upon the rod E and clamping the same in any desired position.

Within the cylindrical shell f² is a coil-spring f⁶, the pressure of which is exerted to separate the washer and release the rod E when the screw f⁵ is turned backward. To adjust the spring-holder rod E around the axis of the bolt or longitudinally with relation to the clamp F, the screw-nut f⁵ is turned back to release the rod E, when it may be slipped longitudinally through its bearings in the clamping-head F or turned around and receded in any of the notches to adjust it to the required position.

It will be seen that the spring neck-collar C will adjust itself to bottles of various sizes, as will also the side clamping-arms A'. The bottle is inserted in place by passing the neck through the coiled-spring collar C, then pressing the body of the bottle into the embrace of the arms A', and by taking hold of the ring b² and expanding the spring-arm B until its neck b enters the notch a' of the extended end of the arm A' the bottle is locked in position.

It is obvious that the spring-rod E and coil-spring D may be formed integral instead of in separate parts, as shown, and that other obvious mechanical changes may be made without departing from the spirit or scope of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a nursing-bottle holder, the spring clamping-frame having lateral spring-arms to

embrace the sides of the bottle, an arm to pass underneath the bottom of the bottle and having a locking-notch at its protruding end, the spring neck-collar secured to the frame, and the spring-holder attached to said collar and having its opposite end adapted to fit in the notch of the protruding arm of the spring-frame and retain the bottle in position, substantially as shown and described.

2. The combination of the spring clamping-frame, means substantially as shown to retain the bottle in said frame, a coil-spring secured to the frame, and the spring-rod secured to the said spring, substantially as shown and described.

3. The combination, substantially as hereinbefore set forth, of the bottle-holder, a spring-arm connected to said holder, the clamp, F, having a clamping-head, f^2 , a spring-pressed washer, f^3 , and a bolt and nut for clamping the rod between the washer and head or releasing it therefrom for the purpose of adjusting the bottle-holding rod longitudinally or axially within the head.

4. The combination, substantially as hereinbefore set forth, of the spring clamping-frame, consisting of the spring-metal bar, A, having an arm turned substantially at right angles thereto to pass under the bottle, the extended end of said arm having a locking-notch formed in it, the lateral clamping-arms, A', to partially embrace the bottle, the coiled-spring neck-yoke, C, attached to the end of the frame-bar, A, the coil-spring holder, B, attached to the neck-yoke opposite its connection to the bar, A, and having a rod at its lower end to enter a notch in the arm of the frame-bar and hold the bottle in position, the cone-spring, D, secured to the clamping-frame, the spring-rod, E, secured to the apex of said cone-spring, and the clamp, F, having adjustable clamping-head for the said rod, and the clamping-screw to secure the clamp and holder to a fixed support.

MOLLY McQ. FALLON.

Witnesses:

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GEO. J. MURRAY.