F. H. SCHUMACHER.

ADJUSTABLE NURSING BOTTLE HOLDER.

APPLICATION FILED AUG. 22, 1916.

1,222,246. Patented Apr. 10, 1917.

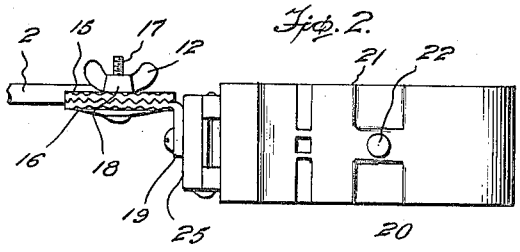
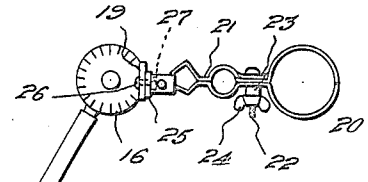


Fig. 2.



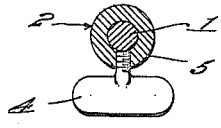


Fig. 3.

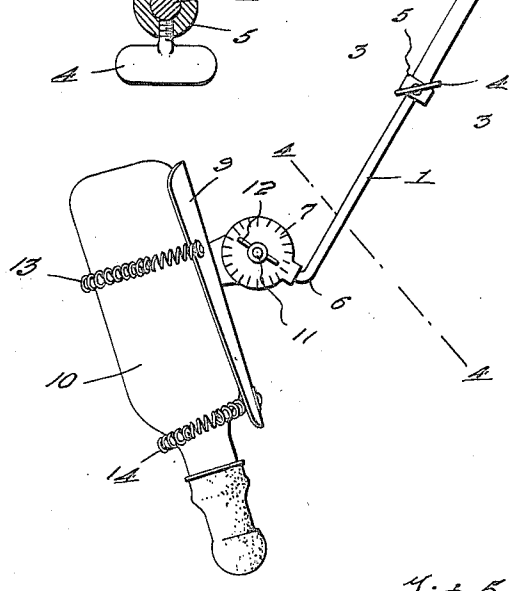


Fig. 1.

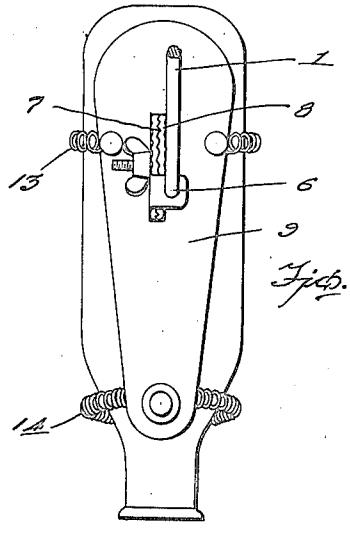
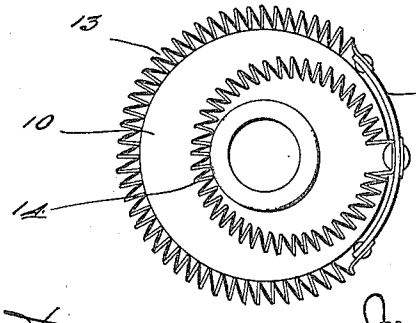


Fig. 4.

Fig. 5.



Witnesses

Paul M. Hunt.

Nancy A. Minnett.

Inventor

F. H. Schumacher.

By John Louis Wales

Attorney

UNITED STATES PATENT OFFICE.

FREDERICK H. SCHUMACHER, OF JERSEY CITY, NEW JERSEY.

ADJUSTABLE NURSING-BOTTLE HOLDER.

1,222,246. Specification of Letters Patent. Patented Apr. 10, 1917.

Application filed August 22, 1916. Serial No. 116,292.

To all whom it may concern:

Be it known that I, FREDERICK H. SCHUMACHER, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain useful Improvements in Adjustable Nursing-Bottle Holders, of which the following is a specification, reference being had therein to the accompanying drawing.

The object of my present invention is to provide a holder for a nursing bottle, adapted to be secured to any suitable support such as a high-chair, crib, etc., and which may be quickly adjusted to any desired position relative to its support.

A further object of my invention is to provide a holder, which will accommodate bottles of various sizes, and which will be of such simple and inexpensive construction as to fulfil all the requirements of a device of this character.

With the above and other objects in view, this invention resides in the novel features of construction, combination, and arrangement of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawings of which:—

Figure 1 is a side elevation of my invention showing a nursing bottle in position in the holder.

Fig. 2 is an enlarged top plan view of the clamping member and associated parts.

Fig. 3 is an enlarged section on the line 3—3 of Fig. 1.

Fig. 4 is an enlarged section on the line 4—4 of Fig. 1.

Fig. 5 is an enlarged bottom view of the bottle holder.

Referring to the accompanying drawings, the supporting standard of my improved bottle holder consists of a rod 1, telescoping within a hollow rod 2, and adjustably secured thereto by a set screw 4 projecting through a collar 5 formed on the end of the rod 2.

The outer end of rod 1 is slightly curved as shown at 6, and has attached thereto a radially corrugated disk 7, which forms one joint of a swinging clamping joint. A complementary, jaw-forming disk 8, similarly corrugated, is attached to the rear of an arcuate plate 9 which forms a rest for a bottle 10. Through these complementary jaws 7 and 8, there extends a screw 11 secured to the jaw 8, and having on its outer end a wing nut 12, adapted to be screwed against the jaw 7. When this nut is loosened, the jaw 7 may be swung or turned with respect to the jaw 8 to any desired position which position is maintained upon again tightening the nut upon the screw.

The plate 9 has attached thereto near one end a looped coil spring 13 adapted to encircle the base of the bottle 10 resting against the plate 9, and a similar spring 14 is secured to the plate near the other end, in position to encircle the neck of the bottle 10.

A corrugated jaw 15 similar to jaw 7 is formed upon the outer end of the hollow rod 2, and engages a complementary jaw 16 of similar construction, to form a swinging lock joint, the jaws being clamped together by a screw 17 and wing nut 18 as previously described. The jaw 16 has an outwardly turned lip 19 formed upon its outer edge as clearly shown in Fig. 2.

A clamp 20 adapted to engage a suitable support, such as a high-chair, crib or the like, and consisting of the hinged plates, 21, connecting screw 22, washer 23, and wing nut 24 all of standard construction, has an outwardly turned lip 25 upon its inner end, which lip is adapted to abut against the lip 19 upon the jaw 16, and be secured thereto by a screw 26 passing through the said lips and having a nut 27 upon its end.

In the use of my device, the parts having been assembled as described, a milk bottle of the usual form is placed against the plate 9, with its base resting within the looped spring 13, and its neck projecting through the spring 14, the said loops being of coiled spring wire, readily adjusting themselves to bottles of various sizes, and holding them firmly against the plate 9.

The clamp 20 is then secured to a suitable support, and the swinging joints formed by the jaws 7 and 8 and 15 and 16, and lips 19 and 25, are then adjusted by their respective clamping nuts to swing the bottle to any desired position. By loosening the set screw 4, the length of the supporting rod may be adjusted as desired, and the rod 1 may also be turned within the rod 2 to bring the bottle to the desired position.

It will thus be seen that I have provided a bottle holder which will adjust itself to bottles of various sizes, and which can be supported from a suitable standard and adjusted in all directions to bring the bottle to the required position.

I claim:

A bottle holder comprising an elongated

arcuate plate forming a bottle support, looped coiled springs secured to each end of the said plate and adapted to encircle a bottle, a hollow supporting rod, a second rod adapted to slide and rotate within the first mentioned rod, means for adjustably clamping the two rod sections, a rotatable clamping joint comprising complementary jaws secured to the said arcuate plate and the second mentioned rod respectively, an adjustable clamp comprising hinged plates and having a lip upon its inner end, and a second rotatable clamping joint comprising jaws secured to the above mentioned lip and the outer end of the above mentioned hollow rod respectively.

In testimony whereof I affix my signature.

FREDERICK H. SCHUMACHER.