

G. U. MALPASS.
NURSING BOTTLE HOLDER.
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918,565.

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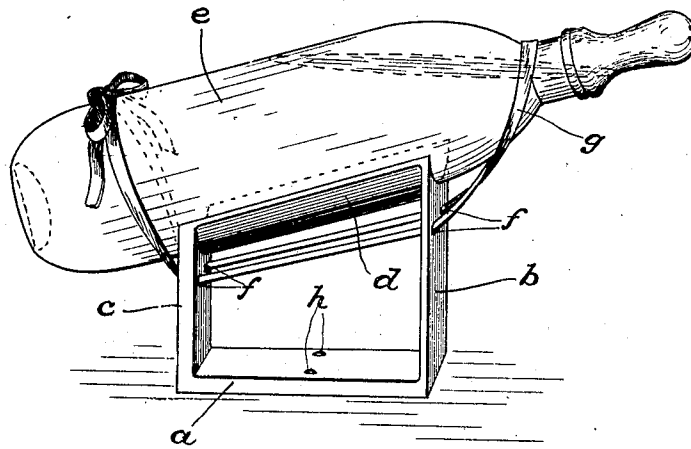


FIG. 1.

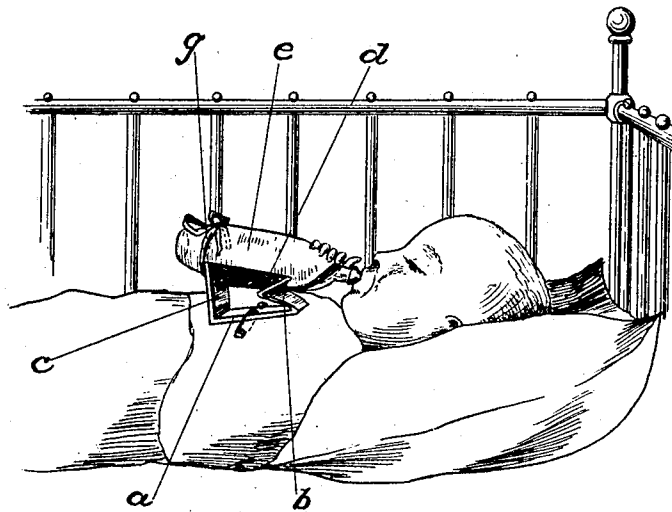


FIG. 2.

WITNESSES:

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GEORGE U. MALPASS, OF PHILADELPHIA, PENNSYLVANIA.

NURSING-BOTTLE HOLDER.

No. 918,565.

Specification of Letters Patent.

Patented April 20, 1909.

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To all whom it may concern:

Be it known that I, GEORGE U. MALPASS, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Nursing-Bottle Holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

The object of my invention is to provide a holder for bottles, such as nursing bottles, which will normally retain the bottle in such a position that the contents cannot escape but which will allow the bottle to be normally tilted into position to permit the contents to be readily drawn therefrom and subsequently return the bottle to its normal position. In a device of this character, one of its essential characteristics must be that it should not require manipulation by the aid of the intelligence, but that it should, in a sense automatically, be moved into position to allow its contents to be freely drawn therefrom by the mere instinctive act of the infant in claspings the neck or mouth-piece of the bottle and drawing it toward its mouth, and that it should immediately be restored to the normal position when it is released; and the object, therefore, of my invention is to insure this semi-automatic operation. It is obvious, too, that a device of this character, to command a sale, must be cheap to construct and of the utmost simplicity, and another object of my invention is to embody these characteristics.

One embodiment of my invention is shown in the accompanying drawings and is hereinafter described in detail, although it should be understood the precise construction and arrangement of parts thus illustrated and explained are not essential.

In the drawings: Figure 1 is a perspective view of the holder with the bottle applied thereto; Fig. 2 is a perspective view of the same showing the method of operation when in use.

a is the base plate of the holder. Projecting upwardly from the front and rear ends of the base plate are respectively the front and rear plates *b* and *c* supporting the top holding plate *d*. It is preferred to form these four parts out of a single piece of rubber, although the parts may be made separately, of rubber or other suitable material, and cemented or otherwise secured together. The

base-plate *a* and the rear upright supporting plate *c* are preferably made sufficiently thick so as to be rigid, while the holding plate *d* and front upright supporting plate *b* should be sufficiently thin to allow the holding plate to be swung down on the rear upright supporting plate and in that operation bend the front upright supporting plate out of its normal position, as shown in Fig. 2. The front upright supporting plate should be also of such elasticity that upon the release of downward pressure upon the holding plate, it will resume its extended position and elevate the supporting plate into the position shown in Fig. 1, this quality of elasticity being preferably secured, in a device made wholly of rubber, by making the same of sufficient thinness to allow its ready distortion under pressure. The holding plate should be curved from side to side so as to have a concave upper face shaped approximately to conform to the shape of the part of the bottle *e* resting thereon. The length or height of the front upright supporting plate should exceed that of the rear upright supporting plate so that, when no downward pressure is applied to the holding-plate, the bottle will assume an inclined position with its mouth uppermost so as to prevent the contents of the bottle escaping by leakage through the nipple.

The bottle may be held in position on the holding plate in any convenient way, one such way being illustrated in the drawings, in which a cord *g* is shown passed through holes *f, f* in the front and rear upright supporting members and tied around the lower part of the body of the bottle and around the neck of the bottle adjacent to the body.

The holder may be secured over the chest of the infant or to any support, such as a pillow or bedding near the head of the infant. In Fig. 2 the holder is shown secured over the chest of the infant by means of safety pins passed through holes *h* in the base plate. The holder may, however, be secured to its support by other means, for example, by means of a band passed through the holder over the base-plate and thence around the body.

By the aid of Fig. 2, the operation of the holder will be readily understood. The front upright supporting member *b* normally assumes an extended position, and being of greater height than the rear plate *c*, will normally elevate the front of the holding-plate

above the rear thereof, thus causing the bottle to rest in an inclined position with the mouth of the bottle at the highest point. In this position of the bottle, the milk or other liquid contained therein will not run out. When the infant desires nourishment, he will naturally take hold of the neck of the bottle and pull the same downwardly for the purpose of inserting the mouth-piece into his mouth. This he will be able to accomplish with a minimum of exertion, the front supporting member *b* readily bending into its contracted position. The bottle will now be tilted so that it will incline in the opposite direction, that is, with the mouth at the lowest point, so as to allow the liquid to be readily withdrawn. As soon as the wants of the infant have been satisfied, he will naturally release the bottle, immediately upon which the front supporting member *b* will re-assume its extended position and return the bottle to its original position.

Having now fully described my invention, what I claim and desire to protect by Letters Patent is:

1. A bottle holder comprising a base, two members projecting upwardly therefrom, and a holding plate supported on said upright members, one of the latter being elastic to permit the holding plate to change its angle of inclination with respect to the base.

2. A bottle holder comprising a unitary structure including a bottle-holding part and a plurality of supports upholding opposite ends of the bottle-holding part, one of said supports being an elastic member adapted to normally tilt the bottle in one direction but adapted to permit it to be tilted in the opposite direction.

3. A bottle holder comprising a base, a holding plate above the base, front and rear upright members projecting from the base

and supporting the holding plate, the front upright member being a normally extended elastic member of greater height than the other so as to elevate the corresponding end of the holding plate above the rear end but being compressible to permit the front end of the holding plate to be depressed below the rear end.

4. A bottle holder comprising a bottle holding plate, a base plate and a plurality of supporting members connecting said plates, one of said members being relatively rigid and the other being elastic.

5. A bottle holder comprising an integral hollow two sided box-shaped structure, one of the sides being of greater length than the other but adapted to bend under contracting pressure.

6. A bottle holder comprising a rigid base, a comparatively rigid upright member projecting from the rear end of the base, a holding plate projecting forwardly from said upright member, and a normally extended elastic and compressible member projecting from the forward end of the base and connecting the same with the front end of the holding plate.

7. A bottle holder comprising a base plate, front and rear upright plates and a top holding plate, in which the front upright plate is elastic and is adapted, upon application of pressure to the front of the holding plate, to bend from a normally extended position to permit the front end of the holding plate to tilt toward the base.

In testimony of which invention, I have hereunto set my hand, at Philadelphia, Pa., on this 21st day of April, 1908.

GEORGE U. MALPASS.

Witnesses:

FRANK S. BUSSEY,
M. M. HAMILTON.