

May 22, 1956

J. E. GOURLEY ET AL

2,746,702

NURSING BOTTLE HOLDER

Filed Dec. 10, 1952

Fig. 3

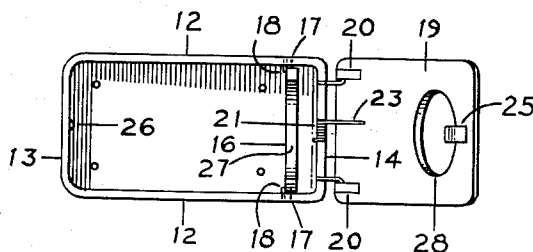


Fig. 1

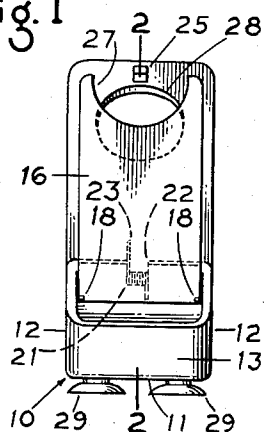


Fig. 2

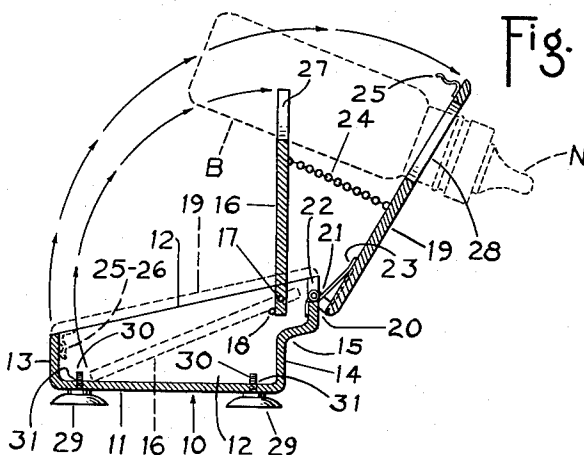


Fig. 4

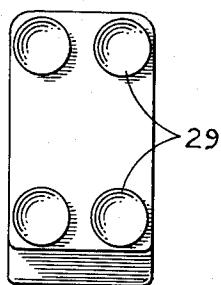
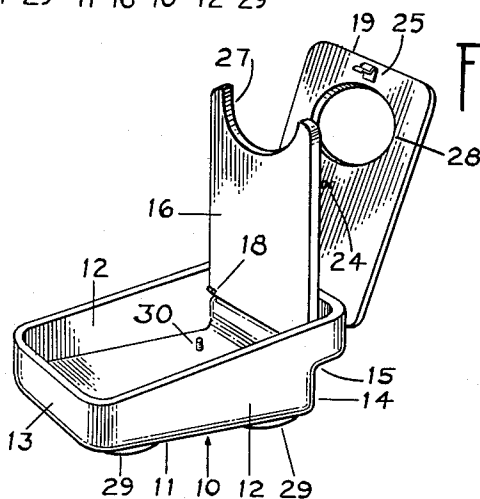


Fig. 5



JOSEPH E. GOURLEY
LAURA M. GOURLEY
INVENTOR.

BY *E. Lorenz Miller*
ATTORNEY

1

2,746,702

NURSING BOTTLE HOLDER

Joseph E. Gourley and Laura M. Gourley, Decatur, Ill.

Application December 10, 1952, Serial No. 325,174

3 Claims. (Cl. 248—105)

This invention relates to a nursing bottle holder.

A primary object of the invention is to provide a holder for nursing bottles which in use is adapted to support a nursing bottle in such a position that the nipple thereon is conveniently accessible to a feeding child and which holder when not in use is adapted to be collapsed for convenient storage thereof.

A further object of the invention is to provide a nursing bottle holder including a pair of bottle supporting plates having pivotal connection with a box-like base and wherein the base is vertically adjustable relative to a horizontal plane for corresponding adjustment of a bottle supported by the plates.

A still further object of the invention is to provide a nursing bottle holder of the character above referred to wherein the said base is formed for engagement with the raised marginal edge on the tray of a child's high chair for conveniently positioning the holder for easy access to the bottle nipple by a feeding child.

Other objects and advantages of the invention will become apparent in the course of the following detailed description, taken in connection with the accompanying drawing, wherein:

Fig. 1 is an elevational view as observed from the left of Fig. 2.

Fig. 2 is a vertical longitudinal sectional view as observed in the plane of line 2—2 on Fig. 1.

Fig. 3 is a top plan view showing the holder in extended operative position as in Figs. 1 and 2.

Fig. 4 is a bottom plan view.

Fig. 5 is a perspective view.

Referring now in detail to the drawing, 10 designates a box-like base which comprises a bottom wall 11, side walls 12 and end walls 13 and 14. The end wall 14 is of greater height than the end wall 13 and the upper free edges of the side walls 12 are flush with the upper free edges of the end walls 13 and 14 and slant upwardly from the former to the latter.

The end wall 14 is of offset form as indicated in Fig. 2 and provides a recess 15 for receiving the usual elevated edge of the tray on a child's high chair, it being understood that the bottom wall 11 is supported on the tray. A generally rectangular plate 16 has one end thereof pivotally connected to the base 10 and which pivotal connection is preferably effected by means of a pair of pivot pins 17 mounted in and projecting inwardly from the side walls 12 adjacent the end wall 14 and such pins project into apertures in the opposite edges of the plate.

The plate 16 is adapted to be raised to a substantially operative vertical position from its base stored position indicated by dotted lines in Fig. 2 and in order to limit the plate in its movement from stored inoperative position to its elevated operative position a pair of stop pins 18 project inwardly from the side walls 12 slightly below the pivot pins 17 and slightly toward the front wall 13 as is clearly indicated in Fig. 2.

A second generally rectangular plate 19 has one end

2

thereof pivotally connected to the base 10 as by means of hinges 20 which are supported by the upper edge of the end wall 14 and a coil spring 21 is mounted in a notch 22 in the upper edge of the end wall 14 intermediate the hinges 20 and is provided with an extension 23 which bears on the inner face of plate 19 for normally maintaining the same in operative position wherein it is outwardly inclined relative to the end wall 14.

A chain or other flexible member 24 is disposed between and interconnects the plates 16 and 19 whereby plate 16 is retained in vertical position when plate 19 is retained in its inclined operative position by the spring 21. The plate 19 in its collapsed inoperative position functions as a cover for the base 10 and conceals the plate 16 within the base as is indicated by dotted lines in Fig. 2 and the base 10 with the cover 19 provides in effect a cabinet. In order to retain the plate 19 in base covering position, it is provided with a spring catch 25 which co-operates with a projection 26 on the inner face of the end wall 13 adjacent the upper free edge thereof.

The plate 16 is provided with a generally semi-circular recess 27 in its free end for receiving the cylindrical body portion of the nursing bottle B as is indicated in Fig. 2 and the plate 19 is provided with a substantially circular opening 28 for receiving the neck portion of the bottle.

It will be seen from Fig. 2 that the opening 28 is of less diameter than the cylindrical body portion of the bottle B and that the bottle in operatively supported position is inclined downwardly in the direction of its nipple end and accordingly the shoulder defined at the junction of the body and neck portions of the bottle will abut the margin of the opening 28 for retaining the bottle in operative position.

It is to be further noted in Fig. 2 that the nipple N is disposed substantially beyond the plate 19 and in a position for easy access by a child seated in a high chair when the base 10 is supported on the tray with the raised edge disposed within the recess 15.

In order to provide a more accurate and a firm seating of the base 10 and also to adjust either end thereof in order to bring the nipple N into convenient position, a plurality of suction cups 29 are provided and each is provided with a threaded stud 30 adjustably supported in a corresponding tap 31 in the bottom wall 11 of the base 10.

While we have disclosed our invention in accordance with a single specific structural embodiment thereof, such is to be considered as illustrative only, and not restrictive, the scope of the invention being defined in the sub-joined claims.

What we claim and desire to secure by U. S. Letters Patent is:

1. A nursing bottle holder comprising a box-like base including a bottom wall, side walls and first and second end walls, a generally rectangular first plate having dimensions smaller than the box-like base having one end thereof disposed between said side walls and pivotally connected thereto adjacent to but in spaced relation to the first end wall, a second generally rectangular plate having dimensions larger than the first mentioned plate and having one end thereof pivotally connected to the upper edge of the first mentioned end wall, each of said plates in operative position projecting upwardly from said base and being provided with bottle receiving means in its free end, means co-operating with the base and said second plate for yieldably retaining same in operative position, means for retaining said first plate in operative position comprising stops projecting from said side walls and engaging the plate below its pivotal connection and a flexible connection between

3

the plates, and said plates being pivotal to inoperative position with the first named one disposed within the box-like base and the second named one engaging the upper edges of the side and end walls and forming a cover for the box-like base.

2. The structure according to claim 1, wherein said one of said end walls is of greater height than the other end wall and wherein the upper edges of said side walls incline downwardly from said one to the other of the end walls, and said one of said end walls is formed with a recess to accommodate the raised edge on the tray of a child's high chair.

3. The structure according to claim 1 wherein the second plate has an opening therein adjacent its free end to receive the neck of a bottle and the first plate has a notch in the free end thereof on which to support a bottle.

4

References Cited in the file of this patent

UNITED STATES PATENTS

1,276,936	McGee	Aug. 27, 1918
2,176,988	Cameron	Oct. 24, 1939
2,552,170	Gusmorino	May 8, 1951
2,608,291	Alford	Aug. 26, 1952

FOREIGN PATENTS

2,645	Switzerland	of 1890
323,579	Italy	of 1934

OTHER REFERENCES

Publication, "The House of Beck." (Copy in Div. 52, Patent Office.)