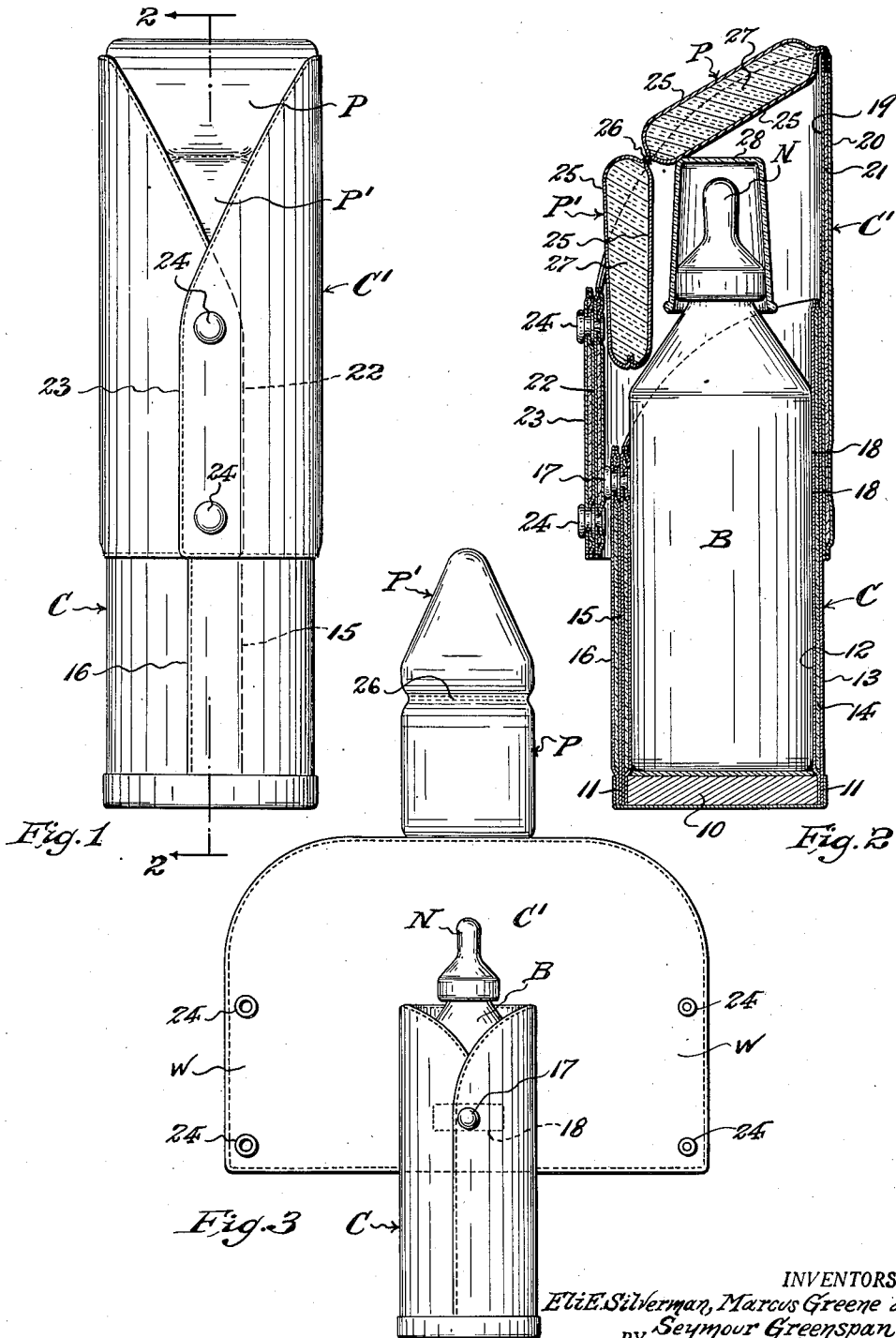


Nov. 20, 1945.

E. E. SILVERMAN ET AL
COMBINED PROTECTIVE ENCLOSURE AND SUPPORT
FOR INFANTS' FEEDING BOTTLES
Filed Jan. 17, 1945

2,389,390

2 Sheets-Sheet 1



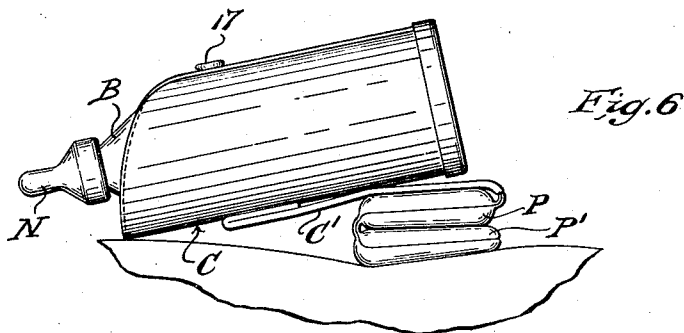
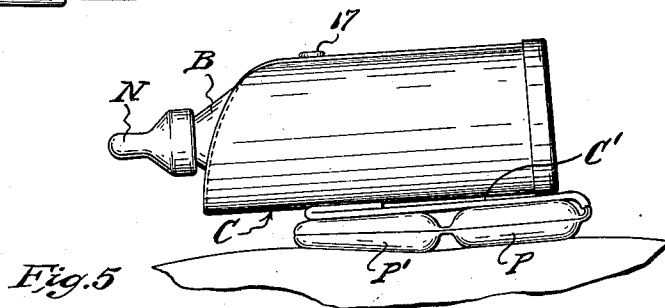
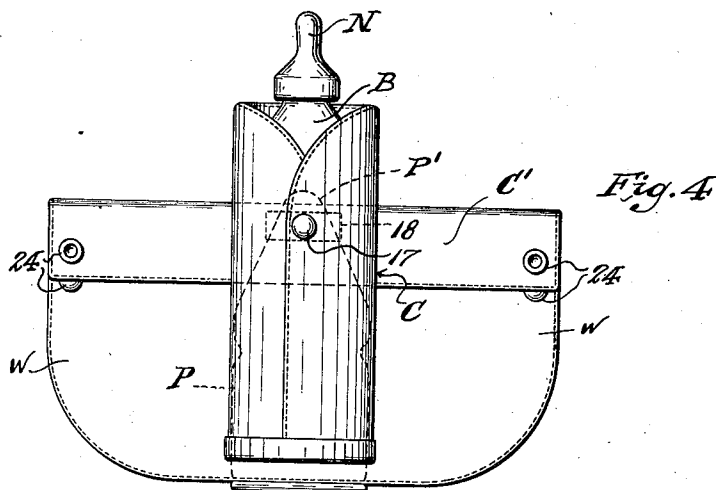
INVENTORS:
Eli E. Silverman, Marcus Greene &
BY Seymour Greenspan,
Corpus D. Richards,
Attorneys

Nov. 20, 1945.

E. E. SILVERMAN ET AL
COMBINED PROTECTIVE ENCLOSURE AND SUPPORT
FOR INFANTS' FEEDING BOTTLES
Filed Jan. 17, 1945

2,389,390

2 Sheets-Sheet 2



INVENTORS:
Eli E. Silverman, Marcus Greene &
Seymour Greenspan,
BY *George Richards,*
Attorney

UNITED STATES PATENT OFFICE

2,389,390

COMBINED PROTECTIVE ENCLOSURE AND
SUPPORT FOR INFANTS' FEEDING BOT-
TLESEli E. Silverman, Brooklyn, N. Y., and Marcus
Greene, Caldwell, and Seymour Greenspan,
Newark, N. J.

Application January 17, 1945, Serial No. 573,190

10 Claims. (Cl. 215—11)

This invention relates to a novel combined protective enclosure and support for an infant's feeding bottle.

The invention has for an object to provide an enveloping covering for an infant's feeding bottle in which the bottle with its food content may be carried about, and by which the bottle is protected against accidental breakage, while at the same time being substantially insulated against the effects of heat and cold, so that a proper temperature and condition of the food content may be assured over a reasonable period of time; said covering being also constructed in such novel manner that, when opened to give access to the bottle carried therein for administration to the infant to be fed therefrom, parts of the covering may be positioned and adjusted to support the bottle in an inclined position, so as to assure flow of the food content thereof to the feeding nipple with which the bottle is equipped.

Another object of the invention is to provide a combined enclosure and support for an infant's feeding bottle which assures sanitary protection thereof when carried about, and which includes a detachable supplementary protective cap for the nipple of the bottle, whereby to assure cleanliness of the same until use thereof is desired.

Other objects of the invention, not at this time more particularly enumerated, will be understood from the following detailed description of the same.

An illustrated embodiment of the invention is shown in the accompanying drawings, in which:

Fig. 1 is a front elevational view of the novel combined enclosure and support for an infant's feeding bottle as arranged to completely enclose and protect the same when not in use for feeding; and Fig. 2 is a vertical longitudinal sectional view, taken on line 2—2 in Fig. 1, with the enclosed bottle and its nipple shown in elevation.

Fig. 3 is a front elevational view, on a somewhat reduced scale, showing the enclosure as preliminarily opened to give access to the nipple end of the bottle carried therein; Fig. 4 is a similar view with open portions of the enclosure parts folded upon themselves and disposed to support the bottle in an inclined feeding position; Fig. 5 is a side elevational view with the enclosure parts disposed as arranged in Fig. 4; and Fig. 6 is a similar side elevational view with opened enclosure parts arranged to support the bottle in a more steeply inclined feeding position.

Similar characters of reference are employed in the above described views, to indicate corresponding parts.

Referring to the drawings, the reference character 10 indicates a bottom member made of a rigid or substantially rigid material, such e. g. as a circular wooden disc of suitable thickness and diameter, and preferably of a diameter somewhat in excess of the diameter of a feeding bottle B to be enveloped by the enclosure.

Suitably secured by its bottom marginal portions 11 to the periphery of said bottom member 10 is a lower cover section C. Said cover section C comprises superposed inner and outer plies 12 and 13 of flexible and preferably moisture-proof or moisture resistant sheet material, such e. g. as a rubberized textile fabric. Between the plies 12 and 13 is inserted an inner filling of padding and insulating material 14, such e. g. as sheet asbestos or equivalent material. The cover body structure elements thus provided and related are suitably secured together, as by stitching, or by any other suitable joining means.

The cover section C, as thus secured to the bottom member 10, extends upwardly therefrom, and is of upwardly open cylindrical form, with the respective vertical marginal portions 15 and 16 thereof lapped one over the other. The extreme height of said lower cover section C is so dimensioned as to terminate somewhat short of the nipple end of a bottle B, when the latter is deposited within said cover section. Preferably the top marginal edges of said cover section C are inclined or diagonally extended from the medial portion of the body thereof downwardly to the edges of the opposite vertical marginal portions 15 and 16 respectively, whereby to accessibly expose the nipple end of a bottle B deposited within the cover section. The upper parts of said lapped vertical marginal portions 15 and 16 are releasably secured in closed together relation by separable snap fastener means 17, or other suitable fastener means, which, when separated, permits parting of said upper portions of the cover section C, whereby to facilitate insertion of a bottle B therein, or its removal therefrom.

Secured by stitching 18, or by any other suitable attaching or anchoring means, to the lower cover section C, at a point spaced substantially upward from the bottom and of the latter and diametrically opposite its lapped vertical marginal portions 15—16, is the lower end portion of an upper cover section C'. Said upper cover section C', like the lower cover section C, comprises superposed inner and outer plies 19 and 20 of flexible and preferably moisture-proof or moisture resistant sheet material, such e. g. as a rubberized textile fabric. Between said plies 19

and 20 is inserted an inner filling of padding and insulating material 21, such e. g. as asbestos or equivalent material. These components of said upper cover section C' are likewise suitably secured together as by stitching, or any other suitable joining means.

As thus secured and related to the lower cover section C, said upper cover section C' extends upwardly beyond the upper end of said lower cover section C, and is also of upwardly open cylindrical form, when disposed in enclosing relation to a bottle B deposited in the enclosure. Except at the limited point of attachment to the cover section C, provided by the anchoring stitching 18, the bottom margins of said cover section C' are free, and consequently opposite laterally extending wings *w* of the cover section C' may be folded around a bottle deposited within the lower cover section C, so that the free vertical marginal portions 22 and 23 thereof meet in lapped relation one to the other, when closing said lower cover section C'. These lapped marginal portions 22 and 23 can be releasably secured in closed together relation by separable snap fastener means 24, which, when separated, permits the wings *w* to be parted and outfolded to an extended position (see Fig. 3). The extreme height of the medial vertical portion of the upper cover section C' is so dimensioned as to terminate somewhat above or beyond the nipple end of a deposited bottle B. Preferably the top marginal edges of the upper cover section C' are likewise inclined or diagonally extended from the medial portion of the body thereof downwardly to the edges of the opposite vertical marginal portions 22 and 23 respectively.

Suitably secured to the upper extremity of the medial vertical portion of said upper cover section C', to extend longitudinally outward therefrom, and so as to be foldably related thereto, is an articulated pad section. Preferably this pad section comprises an inner pad P of suitable length and width, and an outer pad P' which preferably tapers somewhat in width and thickness toward its free extremity. Said pads P and P' are formed by external walls 25 of flexible and preferably moisture-proof sheet material, such e. g. as a rubberized textile fabric. Opposed wall portions intermediate the pads P and P' are brought together and secured, as by stitching or other suitable fastening means, whereby to form an interconnecting flexible hinge-like portion 26 intermediate said pads. The interiors of said pads P and P' are respectively filled with a suitable padding material 27. The external walls 25 are so shaped and dimensioned, and the amount of padding material 27 is of such quantity, as to give the pads P and P' substantial thickness and bulk.

When it is desired to deposit a bottle B in the enclosure, said bottle being equipped with the usual nipple member N, the fastener means 24 are released, so that the upper cover section C' may be opened out, with the pad section connected therewith also opened out in extension therefrom (see Fig. 3). The fastener means 17 may also be released, if desired, to loosen the lower cover section C, whereupon the bottle B, containing its supply of fluid food, is inserted, bottom end downward, into the interior of the lower cover section C, to rest on the bottom member 10, and then said lower cover section C is secured and closed by the fastener means 17. The nipple end of the inserted bottle projects from the open upper end of the cover section C. To assure a

clean and sanitary condition of the nipple member N, a supplementary nipple enveloping cap 28 is provided (see Fig. 1). This cap may be made of glass or any other suitable and easily cleansible material, and is of cup-like form, preferably tapering somewhat toward its closed end, so that when its open end is telescoped over the nipple member N, its walls will frictionally engage the base of the latter, so that the cap is firmly but removably retained in sealed enclosing relation to said nipple member, thus protecting the latter from soiling or other contamination.

After the bottle B has been entered in the lower cover section C, the upper cover section C' is closed around the projecting nipple end of said bottle and the cap 28 applied to the latter. Said cover section C' is secured in such closed condition by the fastener means 24. After the upper cover section C' is thus closed, the pad section is swung over the open upper end thereof, and the outer pad P' is tucked therein, thus together with the inner pad P serving to close the upper open end of the enclosure (see Figs. 1 and 2).

When the feeding bottle is enveloped by the enclosure as above described, said enclosure, by reason of its padded and heat and cold insulating characteristics, will not only protect the bottle against accidental breakage, when the same is carried about, but will also maintain, for a reasonable period of time, the food content of the bottle at a desired temperature. It will be obvious that the enclosure and the supplemental nipple member protecting cap also serves to keep the bottle and nipple member in clean and sanitary condition until use thereof for infant feeding is desired.

When it is desired to use the bottle for infant feeding, the pad section P-P' is opened out, and then the upper cover section C' is released and also opened out (see Fig. 3), thus exposing the nipple end of the bottle B. After the upper cover section C' is opened out to the position shown in Fig. 3, the free end portion thereof is down-folded behind the lower cover section C and contained body of the bottle B enclosed within the latter (see Fig. 4). The pad section P-P' is then folded back beneath the back-folded portions of the cover section C', so that, when e. g. the bottle is deposited upon a pillow adjacent to the head of an infant to be fed, the bottle will be supported by the pad section and spread cover section C' in a position downwardly inclined toward its nipple end. By such disposition, when the nipple member N is entered in the infant's mouth, the inclined bottle B will assure constant flow of the food content thereof to the nipple member N (see Fig. 5). Should it be desired to incline the bottle at a steeper angle, such effect may be obtained by doubling back the outer pad P' beneath the inner pad P, as shown in Fig. 6.

From the above description of our invention, it will be understood that a very convenient enclosure for an infant's feeding bottle is afforded thereby, which not only protects the bottle and its content when carried about prior to feeding use thereof, but also, when the enclosure is opened, permits desirable manipulation of its parts so that both convenient access to the nipple end of the bottle is provided, as well as convenient support of the bottle in use at a proper feeding angle.

We are aware that various changes could be made in the above described constructions, and that widely different embodiments of this invention could be made without departing from

the scope thereof as defined by the herefollowing claims. It is therefore intended that the matter set forth in the foregoing description and shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

We claim:

1. A combined enclosure and support for the purposes described comprising an upwardly open lower cover section within which an infant's feeding bottle having a nipple end may be inserted with its nipple end projecting therefrom, an upper cover section affixed to said lower cover section to extend beyond the upper end of the latter, said upper cover section being laterally foldable to closed position around said lower cover section and said nipple end of a bottle contained therein, means to releasably retain said upper cover section in such closed position, a pad section extending longitudinally from the upper extremity of said upper cover section, said pad section being movable to engage in and across the open end of the closed upper cover section whereby to close said open end, said upper cover section, when opened, being adapted to be folded into underlying relation to the lower cover section and said pad section being adapted to be folded into underlying relation to said thus positioned upper cover section, whereby to support the lower cover section and contained bottle on a side thereof with the bottle downwardly inclined toward its projecting nipple end.

2. A combined enclosure and support for the purposes described as defined in claim 1 wherein said respective cover sections comprise padded walls of flexible material.

3. A combined enclosure and support for the purposes described as defined in claim 1 wherein said respective cover sections comprise padded walls of flexible material, the padding being of heat and cold insulating character.

4. A combined enclosure and support for the purposes described as defined in claim 1 wherein said respective cover sections comprise superposed plies of moisture resistant sheet material and an interposed padding material.

5. A combined enclosure and support for the purposes described as defined in claim 1 wherein said respective cover sections comprise superposed plies of moisture resistant sheet material and an interposed padding material, said padding material being of heat and cold insulating character.

6. A combined enclosure and support for the

purposes described comprising an upwardly open lower cover section within which an infant's feeding bottle having a nipple end may be inserted with its nipple end projecting therefrom, an upper cover section affixed to said lower cover section to extend beyond the upper end of the latter, said upper section being laterally foldable to closed position around said lower cover section and said nipple end of a bottle contained therein, means to releasably retain said upper cover section in such closed position, an articulated pad section hingedly connected with the upper extremity of said upper cover section, said pad section including at least an inner pad member and an outer tapered pad member hingedly interconnected, said pad section being movable to dispose its inner pad member across the open end of said closed upper cover section with the outer pad member tucked into said upper cover section whereby to hold the pad section in closed relation to the latter, said upper cover section, when opened, being adapted to be folded into underlying relation to the lower cover section and said pad section being adapted to be folded into underlying relation to said thus positioned upper cover section, whereby to support the lower cover section and contained bottle on a side thereof with the bottle downwardly inclined toward its projecting nipple end.

7. A combined enclosure and support for the purposes described as defined in claim 6 wherein walls of said respective cover sections and pad section comprise moisture resistant sheet material and padding material confined by said walls.

8. A combined enclosure and support for the purposes described as defined in claim 6 wherein said respective pad section and cover sections comprise superposed plies of moisture resistant sheet material and interposed padding material, at least the padding material of said cover sections being of heat and cold insulating character.

9. A combined enclosure and support for the purposes described as defined in claim 1 including a detachable protective cap for the nipple end of the inserted bottle.

10. A combined enclosure and support for the purposes described as defined in claim 6 including a detachable protective cap for the nipple end of the inserted bottle.

ELI E. SILVERMAN.
MARCUS GREENE.
SEYMOUR GREENSPAN.