April 23, 1957 J. H. BRITTON 2,789,728

MANUALLY PORTABLE, SELECTIVELY OPERABLE DISPENSING SPOUT TYPE, CARRYING CONTAINER FOR LIQUID

Filed June 10, 1955

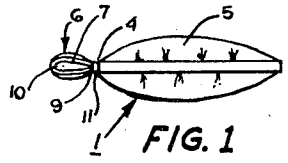


FIG. 1

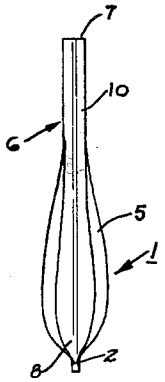


FIG. 2

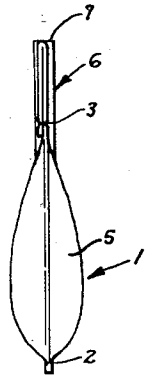


FIG. 3

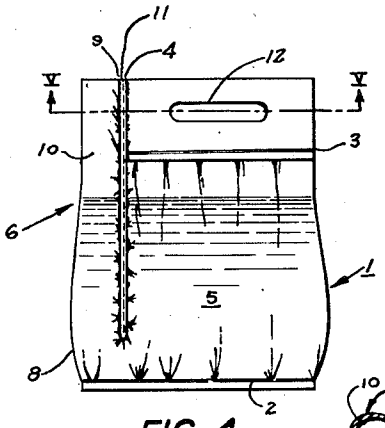


FIG. 4

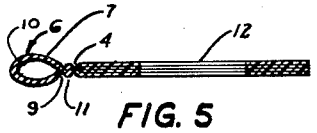


FIG. 5

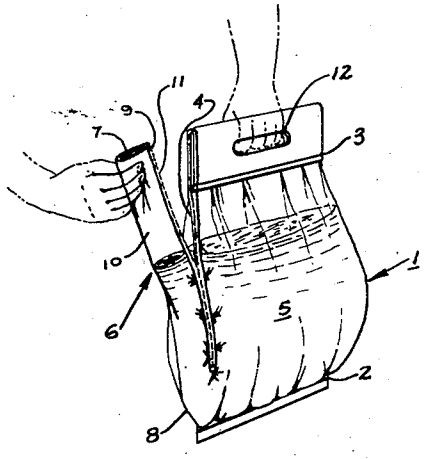


FIG. 6

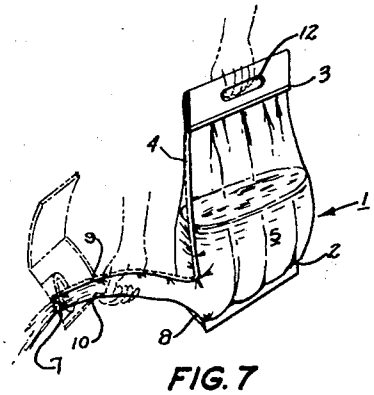


FIG. 7

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MANUALLY PORTABLE, SELECTIVELY OPERABLE DISPENSING SPOUT TYPE, CARRYING CONTAINER FOR LIQUID

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9 Claims. (Cl. 222—107)

Generally speaking, the present invention relates to the portable liquid container art and, more particularly, it relates to a manually portable, selectively operable dispensing spout type, carrying container for liquid, so designed as to make a readily portable (usually emergency) carrying container for liquids with a self-contained pouring spout available and which, in the present specifically illustrated form, may also be disposable, although not so limited.

While applicant is aware of the fact that a very considerable number of portable liquid containers have been developed in the past, most of these do not contain readily-useable pouring spouts, nor are they capable of being collapsed for small-volume storage prior to use.

It is further true that prior art portable liquid containers which include pouring spouts are of a permanent nature and too expensively constructed to allow disposal immediately after use.

The present invention is so constructed that it may be cheaply constructed so as to furnish a portable liquid container with a dispensing spout that may be disposed of after even one use, although not so limited. Furthermore, it is adapted to be stored, prior to use, in an extremely small space by reason of being effectively collapsed.

Generally speaking, the device of the present invention may include: a hollow body, usually consisting of thin-sheet wall means closed at the bottom (also, usually at the top) and encompassing and defining a liquid-carrying chamber, and a hollow dispensing spout having a dispensing end and a bottom and consisting of thin-sheet wall means closed at the bottom and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof and in ported communication therewith. Also included is a selectively disengageable fastening means fastening at least a portion of the dispensing spout between the bottom and the dispensing end thereof in closely adjacent relationship with respect to the hollow body. Also, said hollow body may be provided with manually-graspable handle means adjacent the top thereof.

From the above description of basic and preferred generic forms of the present invention, it will be apparent to those skilled in the art that virtually all of the disadvantages of prior art manually portable carrying containers for liquid are virtually entirely eliminated and overcome in and through the use of the present invention.

For example, it is obvious that the present invention has an easily-accessible, readily-useable pouring spout selectively operable at the user's discretion.

For further example, the present invention may be constructed out of inexpensive thin-sheet materials making immediate disposal after even one use economically feasible. Also, the device may be collapsed or folded for pre-use storage in an extremely small space.

With the above points in mind, it is an object of the present invention to provide a manually portable, selectively operable dispensing spout type, carrying container for liquid, which is of cheap, simple, novel, easy-to-operate and easy-to-maintain construction capable of readily dispensing liquid through said pouring spout and being immediately disposable thereafter, if desired.

Other and allied objects will become apparent to those skilled in the art after a careful perusal, examination and study of the accompanying illustrations, the present specification and the appended claims.

To facilitate understanding, reference will be made to the hereinbelow described drawings, in which:

Fig. 1 is a top plan view of one embodiment of the present invention;

Fig. 2 is an end elevational view, as seen from the left side of Fig. 1;

Fig. 3 is an end elevational view, as seen from the right side of Fig. 1;

Fig. 4 is a front elevational view of the device shown in Figs. 1–3; incidentally it should be noted that all of the views Figs. 1–4 show the device expanded and containing liquid therein;

Fig. 5 is a horaizontal sectional view taken in the direction of the arrows V—V in Fig. 4;

Fig. 6 is a perspective view showing the device in operational use, and showing the selectively operable dispensing spout in the act of being detached from the upper portion of the hollow body; and

Fig. 7 is a perspective view of aspect similar to Fig. 6, however, this view shows the spout completely detached from the upper portion of the hollow body and in the act of dispensing liquid into the gas tank of an automobile.

Generally speaking, the manually portable, selectively operable, dispensing spout type, carrying container for liquid, of the present invention, may include: a hollow body consisting of thin-sheet wall means closed at the bottom (and usually at the top) and encompassing and defining a liquid-carrying chamber; and a longitudinal hollow dispensing spout having a dispensing end and bottom consisting of flexible thin-sheet wall means closed at the bottom and defining and encompassing a longitudinal hollow duct laterally flexibly connected and ported adjacent the bottom thereof whereby to be in flexible communication with the liquid-carrying chamber.

In one preferred form of the present invention, said dispensing spout may be intermittently laterally connected by selectively manually tearable fastening means fastening the wall means of the dispensing spout between the bottom and the dispensing end thereof in closely adjacent side-by-side relationship with respect to the wall means of the hollow body, and with the dispensing end uppermost.

In the specific form illustrated, said hollow body may be provided with a manually-graspable handle port extending through the top thereof above a sealed line closing said top.

In the form specifically illustrated, the hollow body 1 consists of thin-sheet wall means closed at the bottom along a sealed line 2, folded over and closed at the top along a sealed line 3 and closed at one side along a sealed line 4 and encompassing and defining a liquid-carrying chamber 5; said hollow body 1 being substantially impervious to liquid adapted to be contained therein for a pre-determined period of time greater than the normal liquid-carrying period of said chamber. Also included is a hollow dispensing spout 6 having a dispensing end 7 and a bottom 8 and consisting of flexible thin-sheet wall means closed at the bottom along the sealed line 2 and closed at one side along a sealed line 9 and defining and encompassing a longitudinal hollow duct 10 flexibly connected adjacent the bottom thereof to the hollow body 1 adjacent the bottom thereof and in ported communication therewith, said dispensing spout 6 being substantially

impervious to liquid adapted to be dispensed therethrough (the dispensing operation is best illustrated in Fig. 7).

In one preferred form of the present invention, said dispensing spout 6 is intermittently connected with fastening means 11 fastening the wall means of the dispensing spout 6 between the bottom 8 and the dispensing end 7 thereof in closely adjacent side-by-side relationship with respect to the sealed line 4 along the side of the wall means of the hollow body 1 between the bottom and the top thereof and with the dispensing end 7 of the dispensing spout uppermost (as illustrated in Fig. 4).

In the presently illustrated form of the invention, said hollow body 1 is provided with a manually graspable handle port 12 extending through the folded-over top thereof above the sealed line 3 closing the top of the liquid-carrying chamber 5.

Numerous modifications and variations of the present invention will occur to those skilled in the art after a careful study hereof. All such, properly within the basic spirit, scope and/or teachings of the present invention are intended to be included and comprehended herein as fully as if specifically described, illustrated and claimed herein.

For example, the fastening means may take the form of adhesive or cohesive fastening means; or it may comprise any of a variety of other easily-detachable types of fasteners.

For further example, while the present illustration indicates the hollow body means to be of a thin-sheet flexible (usually plastic) type of material, any other type of thin-sheet flexible material (such as paper, impregnated cloth, etc.) may be used depending upon the type of liquid to be contained within the hollow body.

It is also obvious that the handle means may be modified to take the form of any of a number of other types of handle means cooperable for carrying the container manually, or such handle means may be entirely eliminated in certain instances.

The exact compositions, configurations, relative positionings and cooperative relationships of the various component parts of the present invention are not critical, and may be modified substantially within the basic teachings, spirit and scope of the present invention.

The embodiment of the present invention specifically described, illustrated and claimed herein is exemplary only, and is not intended to limit the scope of the present invention, which is intended to be interpreted in the light of the prior art and the appended claims only, with due consideration for the doctrine of equivalents.

I claim:

1. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of thin-sheet wall means closed at the bottom along a sealed line and closed at the top along a sealed line and encompassing and defining a liquid-carrying chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of thin-sheet wall means closed at the bottom and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a pre-determined period of time greater than the normal period of contact of said liquid with said dispensing spout; and intermittently laterally connected, selectively manually tearable, fastening means fastening at least a portion of the dispensing spout between the bottom and the dispensing end thereof in lateral closely adjacent relationship with respect to the hollow body and with the dispensing end uppermost, said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

2. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of thin-sheet wall means closed at the bottom along a sealed line and closed at the top along a sealed line and encompassing and defining a liquid-carrying chamber, said hollow body being substantially impervious to liquid adapted to be contained therein for a pre-determined period of time greater than the normal liquid-carrying period of said chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of thin-sheet wall means closed at the bottom and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a pre-determined period of time greater than the normal period of contact of said liquid with said dispensing spout; and intermittently laterally connected, selectively manually tearable, fastening means fastening at least a portion of the dispensing spout between the bottom and the dispensing end thereof in lateral closely adjacent relationship with respect to the hollow body and with the dispensing end uppermost, said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

3. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of flexible thin-sheet wall means closed at the bottom along a sealed line and closed at the top along a sealed line and encompassing and defining a liquid-carrying chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of flexible thin-sheet wall means closed at the bottom and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a pre-determined period of time greater than the normal period of contact of said liquid with said dispensing spout; and intermittently laterally connected, selectively manually tearable, fastening means fastening at least a portion of the dispensing spout between the bottom and the dispensing end thereof in lateral closely adjacent relationship with respect to the hollow body and with the dispensing end uppermost, said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

4. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of flexible thin-sheet wall means closed at the bottom along a sealed line and closed at the top along a sealed line and encompassing and defining a liquid-carrying chamber, said flexible thin-sheet wall means being substantially impervious to liquid adapted to be contained therein for a pre-determined period of time greater than the normal liquid-carrying period of said chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of flexible thin-sheet wall means closed at the bottom and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a pre-determined period of time greater than the normal period of contact of said liquid with said dispensing spout; and intermittently laterally connected, selectively manually tearable fastening means fastening at least a portion of the dispensing spout between the bottom and the dispensing end thereof in lateral closely adjacent relationship with respect to the hollow body and with the dispensing end uppermost,

said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

5. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of thin-sheet wall means closed at the bottom along a sealed line and closed at the top along a sealed line and encompassing and defining a liquid-carrying chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of thin-sheet wall means closed at the bottom and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a pre-determined period of time greater than the normal period of contact of said liquid with said dispensing spout; and selectively disengageable fastening means fastening the sealed line along the side of the wall means of the dispensing spout between the bottom and the dispensing end thereof in closely adjacent side-by-side relationship with respect to the sealed line along the side of the wall means of the hollow body between the bottom and the top thereof and with the dispensing end of the dispensing spout uppermost, said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

6. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of a thin-sheet wall means closed at the bottom along a sealed line, closed at the top along a sealed line and closed at one side along a sealed line and encompassing and defining a liquid-carrying chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of thin-sheet wall means closed at the bottom along a sealed line and closed at one side along a sealed line and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a pre-determined period of time greater than the normal period of contact of said liquid with said dispensing spout; and intermittently laterally connected, selectively manually tearable, fastening means fastening the sealed line along the side of the wall means of the dispensing spout between the bottom and the dispensing end thereof in closely adjacent side-by-side relationship with respect to the sealed line along the side of the wall means of the hollow body between the bottom and the top thereof and with the dispensing end of the dispensing spout uppermost, said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

7. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of thin-sheet wall means closed at the bottom along a sealed line, closed at the top along a sealed line and closed at one side along a sealed line and encompassing and defining a liquid-carrying chamber, said hollow body being substantially impervious to liquid adapted to be contained therein for a pre-determined period of time greater than the normal liquid-carrying period of said chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of thin-sheet wall means closed at the bottom along a sealed line and closed at one side along a sealed line and defining and encompassing a

longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a pre-determined period of time greater than the normal period of contact of said liquid with said dispensing spout; and intermittently laterally connected, selectively manually tearable, fastening means fastening the sealed line along the side of the wall means of the dispensing spout between the bottom and the dispensing end thereof in closely adjacent side-by-side relationship with respect to the sealed line along the side of the wall means of the hollow body between the bottom and the top thereof and with the dispensing end of the dispensing spout uppermost, said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

8. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of flexible thin-sheet wall means closed at the bottom along a sealed line, closed at the top along a sealed line and closed at one side along a sealed line and encompassing and defining a liquid-carrying chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of flexible thin-sheet wall means closed at the bottom along a sealed line and closed at one side along a sealed line and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a pre-determined period of time greater than the normal period of contact of said liquid with said dispensing spout; and intermittently laterally connected, selectively manually tearable, fastening means fastening the sealed line along the side of the wall means of the dispensing spout between the bottom and the dispensing end thereof in closely adjacent side-by-side relationship with respect to the sealed line along the side of the wall means of the hollow body between the bottom and the top thereof and with the dispensing end of the dispensing spout uppermost, said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

9. A manually portable, selectively operable dispensing spout type, emergency container for liquid, comprising: a hollow body consisting of flexible thin-sheet wall means closed at the bottom along a sealed line, closed at the top along a sealed line and closed at one side along a sealed line and encompassing and defining a liquid-carrying chamber, said flexible thin-sheet wall means being substantially impervious to liquid adapted to be contained therein for a predetermined period of time greater than the normal liquid-carrying period of said chamber; a longitudinal hollow dispensing spout having a dispensing end and a bottom and consisting of flexible thin-sheet wall means closed at the bottom along a sealed line and closed at one side along a sealed line and defining and encompassing a longitudinal hollow duct flexibly connected adjacent the bottom thereof to the hollow body adjacent the bottom thereof and in ported communication therewith, said dispensing spout being substantially impervious to liquid adapted to be dispensed therethrough for a predetermined period of time greater than the normal period of contact of said liquid with said dispensing spout; and intermittently laterally connected, selectively manually tearable, fastening means fastening the sealed line along the side of the wall means of the dispensing spout between the bottom and the dispensing end thereof in closely adjacent side-by-side relationship with respect to the sealed line

along the side of the wall means of the hollow body between the bottom and the top thereof and with the dispensing end of the dispensing spout uppermost, said hollow body being provided with a manually graspable handle port extending through the top thereof above the sealed line closing the top.

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