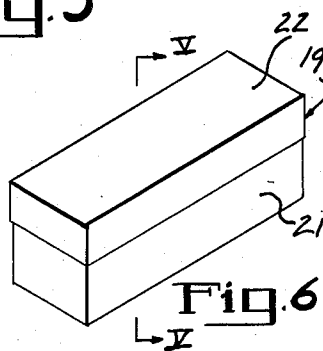
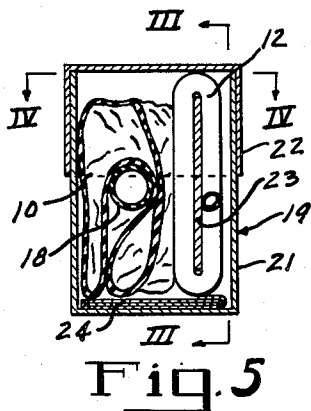
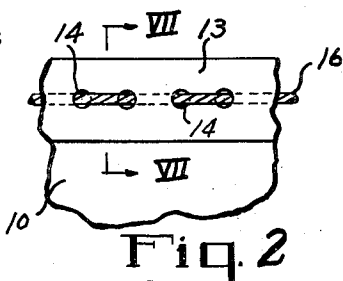
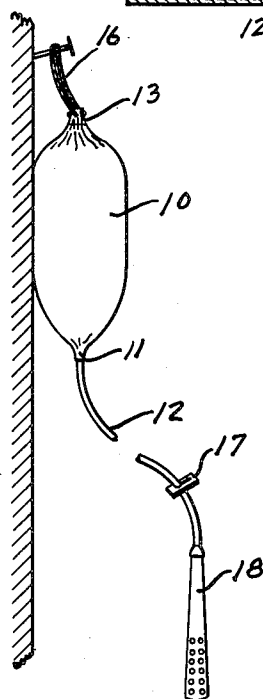
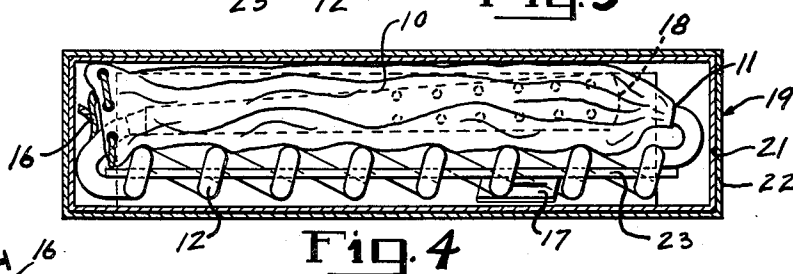
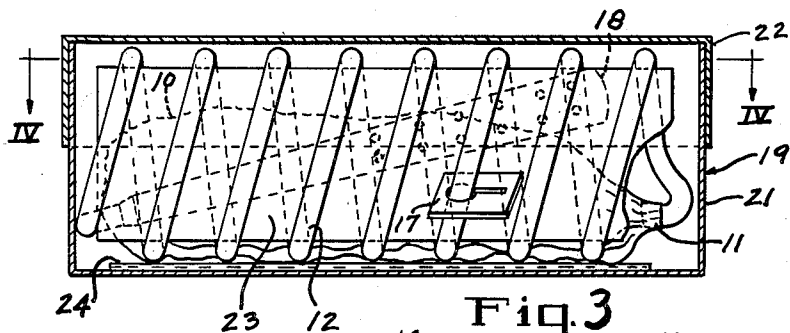


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E. H. EDWARDS, JR.
DISPOSABLE FOUNTAIN SYRINGE AND
PACKAGE CONTAINING THE SAME
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DISPOSABLE FOUNTAIN SYRINGE AND
PACKAGE CONTAINING THE SAME

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2 Claims. (Cl. 206—69)

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My present invention relates to fountain syringes and to a package containing the same, and more particularly to a disposable fountain syringe, hose and nozzle therefor, and to a compact package within which is included the entire device, together with a packet of medicament for use therewith if desired.

An object of my invention is to provide an improved fountain syringe, hose, nozzle and hose clamp in which the syringe is made of material sufficiently thin to permit the same to be folded into a small compact package and of such characteristic that the syringe is readily unfoldable to open position, together with an improved suspending means for holding the syringe elevated for use.

More specifically, my invention contemplates a fountain syringe in which the syringe proper is made of a foldable bag of thin plastic or like material, together with a draw string around the open upper end of the syringe bag which permits the syringe to be suspended for use without danger of tearing the material, thus making possible the use of light, inexpensive material for the water bag portion of the syringe, providing a complete syringe which may be sold over the counter as a disposable prophylactic item at a nominal price.

Another object is to provide a device of the character designated which may be sold in a package of small size and which shall be capable of being unpacked for use in a simple and expeditious manner.

A disposable fountain syringe and package containing the same embodying the features of my invention is illustrated in the accompanying drawings forming a part of this application in which:

Fig. 1 is an elevational view of the syringe suspended from a suitable support ready for use;

Fig. 2 is a detail view, drawn to an enlarged scale, illustrating the reinforcing of the upper or open edge of the water bag portion of the syringe;

Fig. 3 is a detail sectional view taken along line III—III of Fig. 5;

Fig. 4 is a detail sectional plan view taken generally along line IV—IV of Fig. 5;

Fig. 5 is a detail sectional view taken generally along line V—V of Fig. 6;

Fig. 6 is an isometric view of the box within which the complete syringe and accessories are contained; and

Fig. 7 is a detail sectional view taken along the line VII—VII of Fig. 2.

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Referring now to the drawings for a better understanding of my invention, my improved syringe comprises a reservoir or tank portion 10 in the form of a bag open at its top and having a connection 11 in its bottom for attaching thereto a hose 12. The bag 10 is made of pliable material such as one of the well known sheet plastics, rubber or the like. Preferably, the bag is made of one of the vinyl plastics, and has a capacity of approximately 2 quarts of liquid.

As best shown in Figs. 1, 2 and 7, the upper edge of the bag 10 is reinforced as indicated at 13. This reinforcing may be secured by lapping and cementing the top wall of the bag as indicated. In the reinforced upper edge of the bag I provide a plurality of openings 14 spaced about the periphery thereof. In the openings 14 I thread a drawstring 16.

The hose 12 may be provided with the usual type of cut off clamp indicated at 17 together with a nozzle 18.

In Figs. 3 to 6, inclusive, I show my improved fountain syringe and accessories packed in a small, compact box. The complete unit may be packaged in a small rectangular cardboard box indicated generally by the numeral 19 and having a bottom section 21 and a cover section 22. As illustrated in Figs. 3, 4, and 5 the hose 12 preferably is wrapped around a strip of material 23 such for instance as cardboard. The strip 23 is substantially the length of the box and of a width approximating the depth of the box. The hose 12 is wrapped around this strip of cardboard, with the upper end thereof remaining attached to the connection 11 at the bottom of the bag 10 and with the nozzle in place on the other end of the hose. The nozzle 18 may readily be wrapped into the bag 10 in the manner illustrated in Figs. 4 and 5. If desired, a small package of medicament 24, suitable for the use to which the syringe will be put, may also be included in the complete package.

In practice I have found that I can provide a complete fountain syringe and accessories therefor when made and packaged in accordance with my invention which may be placed in a package of approximately 1½ inches by 1½ inches by 4½ inches. Such packages may easily be sold over the counter as prophylactic items, and due to the small size of the complete package the same may be easily carried on the person of the purchaser. Also, due to the economy of construction and packaging the same may be sold at a nominal price, and hence be sold as a disposable unit.

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The advantage of the particular manner in which I prefer to pack the complete unit is that the bag 10 may readily be withdrawn from the box for use simply by grasping the cardboard 23 around which is wound the hose 12 and lifting the same out. Once this is done the nozzle end of the hose 12 falls from the folds of the bag 10 whereby the draw string 16 may be grasped in the hand and hung on any suitable bracket or the like from a wall. The user holds the draw string in the hand and lets go of the cardboard strip. The hose unwinds from around the same, facilitating the unpacking of the device. By winding the hose 12 around the cardboard I assure that the same does not become kinked or set, assuring that the same will let the water freely out of the bag 10.

The drawstring and reinforced upper edge permit the use of very thin lightweight material, since the bag is supported entirely around the upper periphery thereof.

From the foregoing it will be apparent that I have devised an improved fountain syringe and an improved package containing the same which is simple and economical of manufacture and which may be withdrawn for use from the package in an expeditious manner. The item lends itself readily to mass production and is easily packaged in the manner disclosed.

While I have shown my invention in but one form, it will be obvious to those skilled in the art that it is not so limited, but is susceptible of various changes and modifications, without departing from the spirit thereof, and I desire, therefore, that only such limitations shall be placed thereupon as are specifically set forth in the appended claims.

What I claim is:

1. A unitary disposable fountain syringe pack-

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age comprising a water bag, a hose attached at one end to the bottom of the bag, a nozzle attached to the other end of the hose, a strip of material around which the hose is wrapped, said bag being wrapped around the nozzle, and an exterior wrapping for the assembled composite article.

2. A unitary disposable fountain syringe package comprising a water bag of thin pliable sheet material, a hose connected at one end to the bottom of the bag, a nozzle connected to the other end of the hose, said bag being folded around the nozzle, a strip of cardboard around which the portion of the hose intermediate its ends is wrapped, an open top cardboard carton of a depth approximating the width of the cardboard strip and hose wound therearound in which the entire device is packed with the strip of cardboard standing on edge within the box as the same is viewed in plan and with the folded water bag and nozzle beside the cardboard strip, and a cover for the box.

ELWART H. EDWARDS, JR.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
804,407	Jamison	Nov. 14, 1905
1,629,723	Moler	May 24, 1927
1,787,364	Fenton	Dec. 30, 1930
1,955,008	McGee	Apr. 17, 1934
2,087,780	Powell	July 20, 1937

FOREIGN PATENTS

Number	Country	Date
740,677	France	Nov. 21, 1932