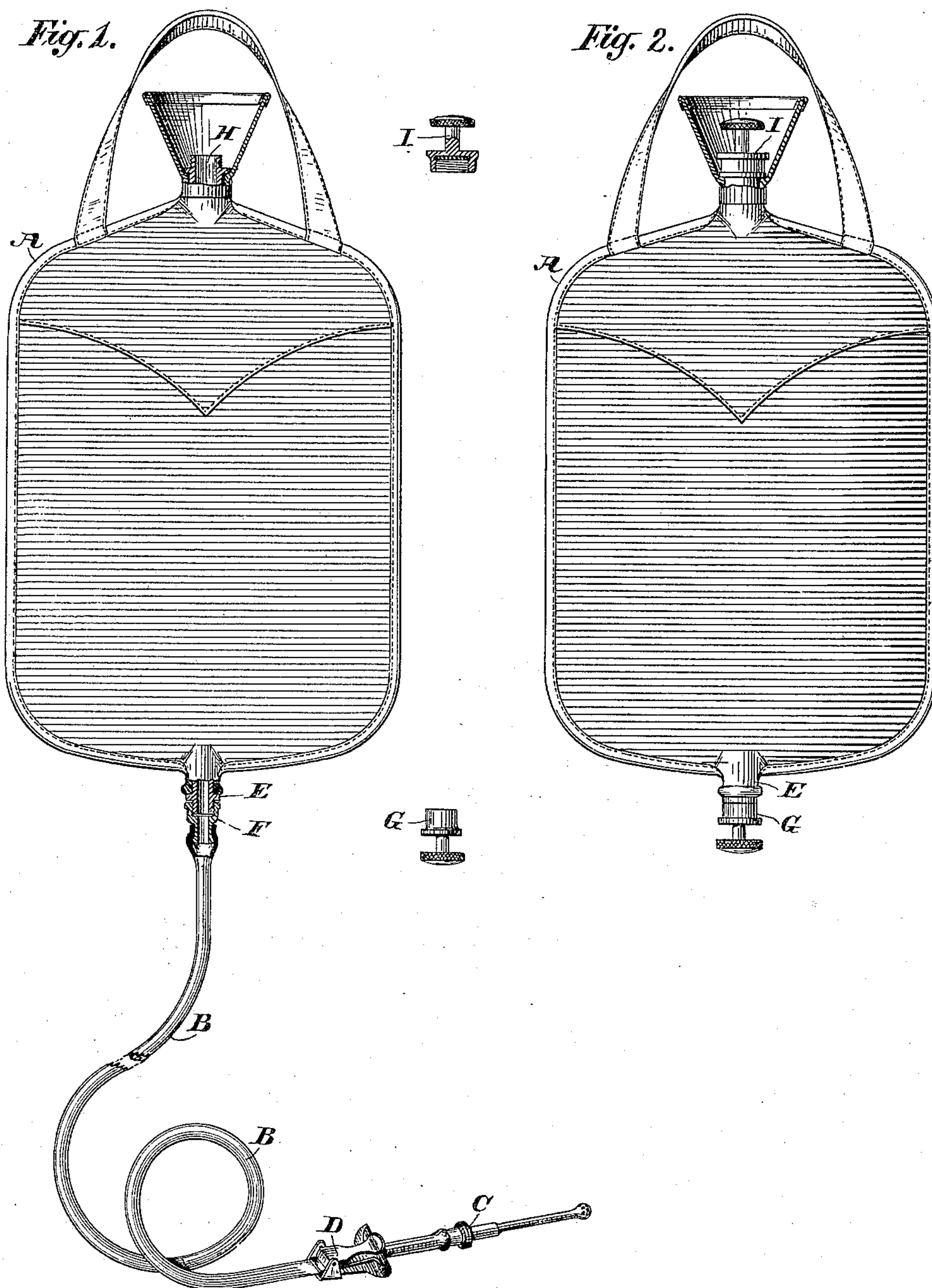


(No Model.)

F. M. DAVIS.  
FOUNTAIN SYRINGE.

No. 331,039.

Patented Nov. 24, 1885.



Witnesses:

R. F. Gaylord,  
A. M. Paige.

Inventor: -

Frank M. Davis,  
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att'y.



# UNITED STATES PATENT OFFICE.

FRANK M. DAVIS, OF NEW YORK, N. Y.

## FOUNTAIN-SYRINGE.

SPECIFICATION forming part of Letters Patent No. 331,039, dated November 24, 1885.

Application filed October 5, 1885. Serial No. 178,986. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK M. DAVIS, of the city, county, and State of New York, have invented certain new and useful Improvements in Fountain-Syringes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings.

The invention relates to those syringes known as "fountain" or "gravity-syringes"—that is, to a syringe provided with a reservoir of sufficient size to contain the requisite amount of liquid, and with which the proper pressure upon the fluid is gained by elevating the reservoir above the discharge-nozzle of the tube attached to the reservoir.

The invention consists in providing the opening or orifice at the top of the reservoir of a fountain-syringe, and by which the reservoir is filled, with a plug, valve, cap, or other like means for readily opening and for tightly closing said filling-orifice; and, also, it consists in providing the discharge-opening of such fountain with a tube-connection, also provided with a valve or cap or other similar means whereby such discharge-opening may be opened or tightly closed, such connection being constructed to permit the easy removal of the tube or hose. The object of this arrangement is to make the reservoir serviceable as a water-bag, thus producing in one structure the two articles, which, in such combined form, are more convenient and more easily cared for than when made in separate forms, and are no greater in cost than either of the separate articles as heretofore made.

In the drawings, Figure 1 shows a fountain-syringe embodying my invention, and Fig. 2 shows the reservoir of such syringe disconnected from its syringe-tube and with its filling and discharge orifices closed preparatory to it being used as a hot-water bag.

In these views, A represents the fountain or reservoir of the syringe, which is usually

made of some flexible material, like rubber, and in a bag-like form, though it may be constructed of other material and in other forms. B indicates the syringe-tube, which may also be made of rubber, and is provided with a nozzle, C, and a thumb spring-stop, D, arranged to compress the tube, and thereby control the flow of water at the nozzle. This tube is attached to the reservoir by means of a screw-nipple, E, secured to the bottom of the fountain, and a screw-socket, F, secured to the tube. When the tube is removed, the nipple may be closed by a screw-cap, G, or by any convenient form of plug or valve. The orifice H at the top of the reservoir, which is for filling the fountain, is somewhat larger than the discharge-orifice E, but in other respects it is substantially the same in construction, and has a screw-cap, I, for closing it when in use as a hot-water bottle or bag. The syringe will of course be used as heretofore such syringes have been used. When, however, it is desired to use the fountain as a hot-water bag, the tube will be unscrewed from the discharge-orifice and such orifice closed by its cap. In using the reservoir thus as a holder for hot water, and after it has been filled, its filling-orifice will be closed by the plug or cap provided for that purpose.

What is claimed as new is—

A fountain-syringe whose reservoir is provided with a filling-orifice at its top and a discharge-orifice at its bottom, each provided with a plug, cap, or similar means for closing and opening the same, the discharge-orifice and the syringe-tube being also constructed with screw-thread connections, whereby the syringe-tube may be removed from the reservoir and the reservoir used as a hot-water bag, substantially as specified.

FRANK M. DAVIS.

Witnesses:

ROBT. F. GAYLORD,  
ROBT. H. DUNCAN.