

No. 687,159.

Patented Nov. 19, 1901.

D. LANDAU.
SIPHON BOTTLE.

(Application filed June 25, 1900.)

(No Model.)

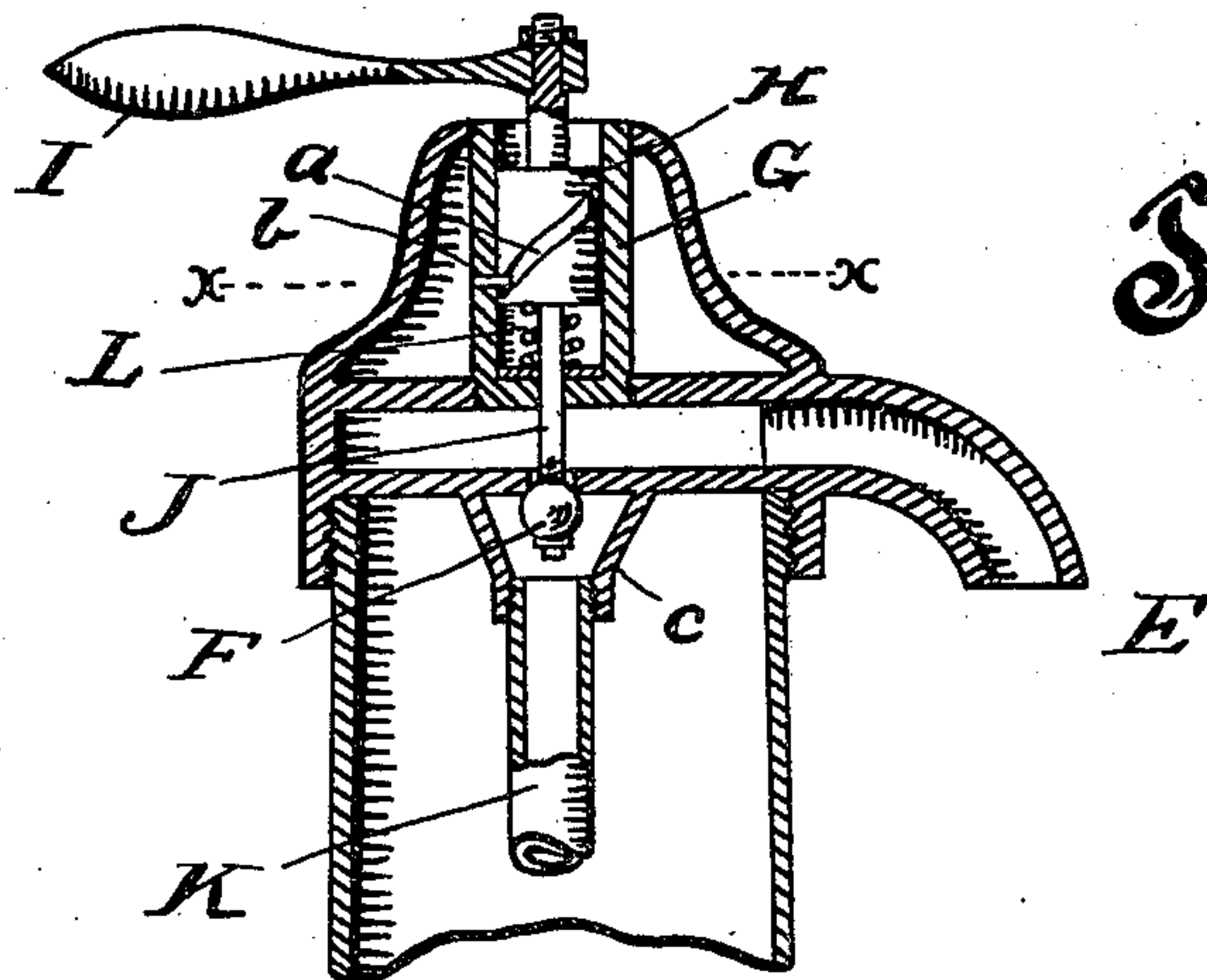


Fig. 1

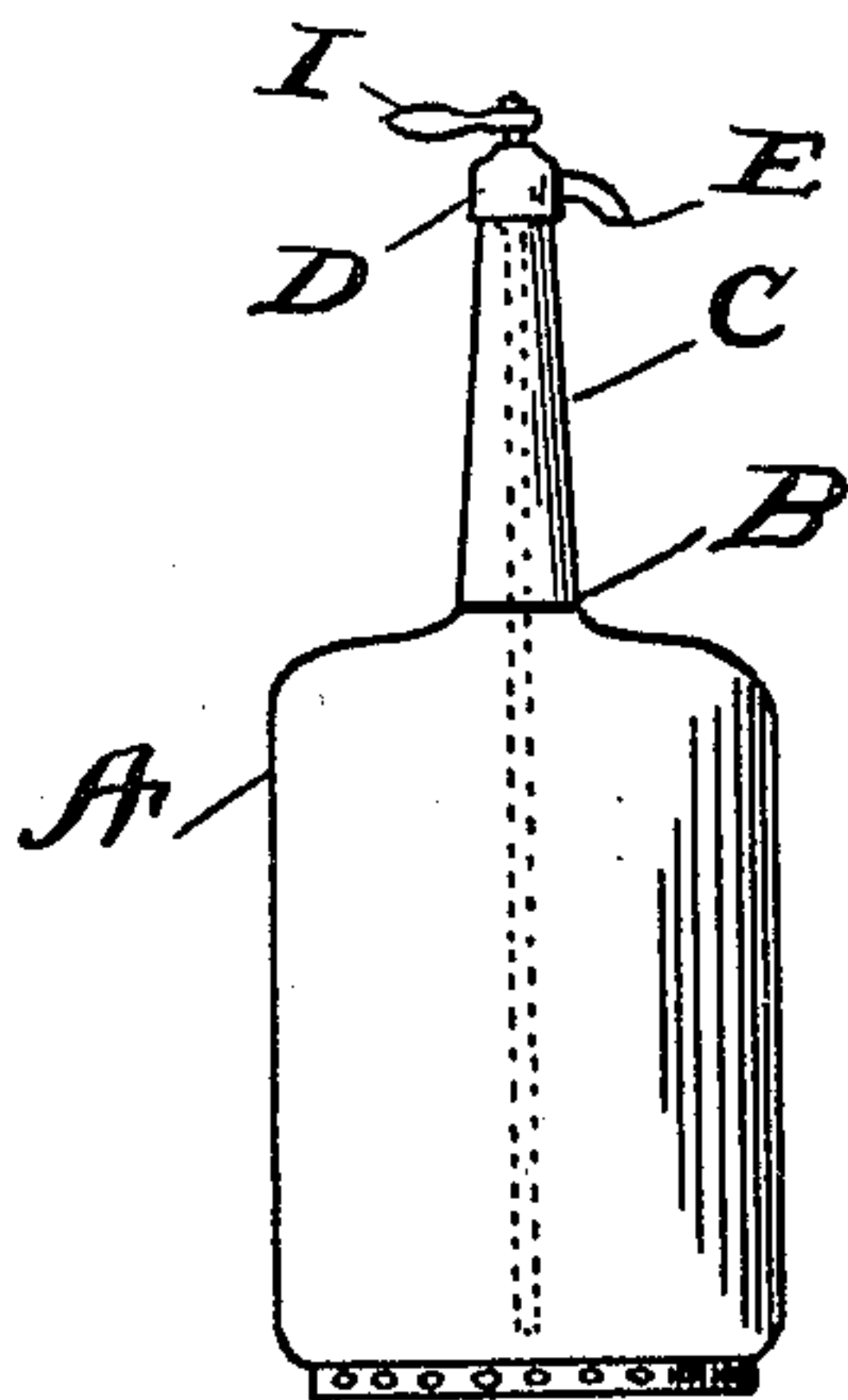
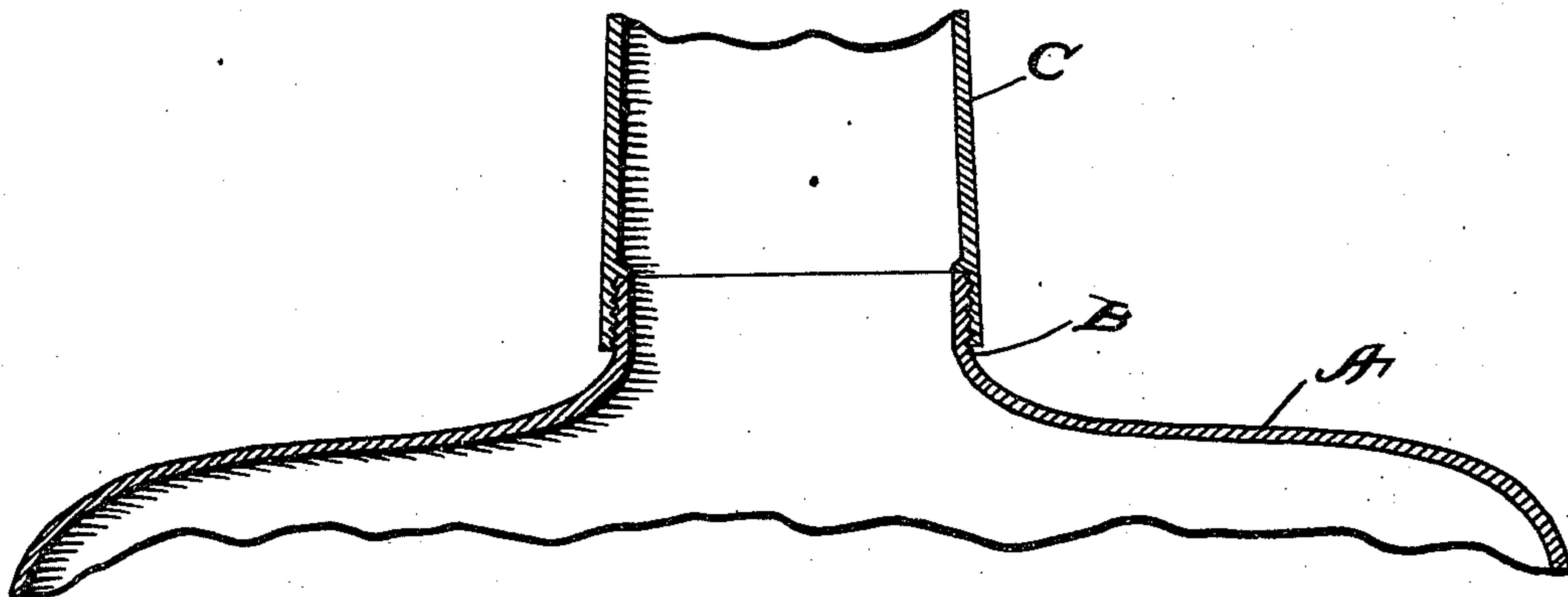


Fig. 2

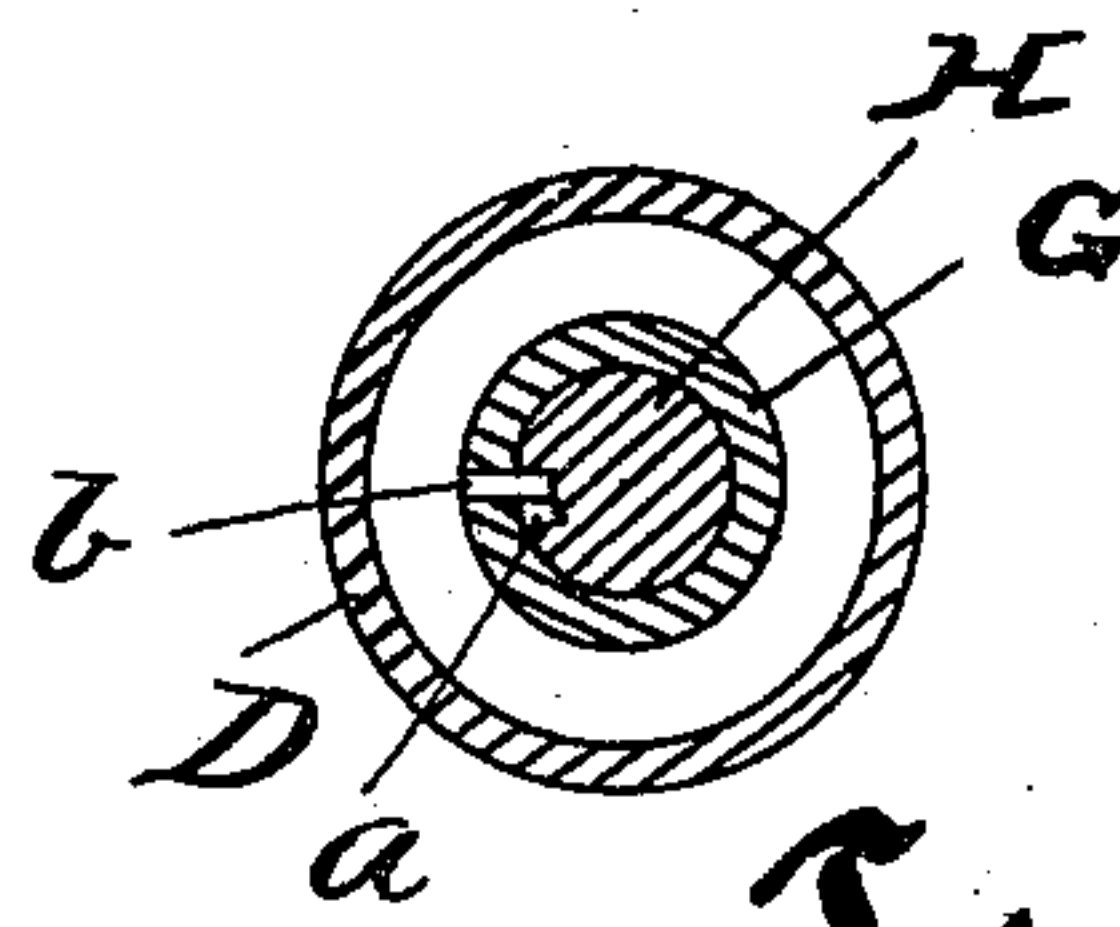


Fig. 3

WITNESSES:

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BY
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UNITED STATES PATENT OFFICE.

DEWIS LANDAU, OF SAN FRANCISCO, CALIFORNIA.

SIPHON-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 687,159, dated November 19, 1901.

Application filed June 25, 1900. Serial No. 21,570. (No model.)

To all whom it may concern:

Be it known that I, DEWIS LANDAU, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Siphon-Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is an improvement in siphon-bottles designed for its greater simplicity of construction, efficiency in operation, and capability of ready handling.

The capacity of the ordinarily-formed glass siphon-bottles is limited on account of the high pressure the glass must withstand, while in my bottle the manner of construction and the material employed make it possible to form the bottle of almost any capacity.

My invention more particularly resides in the novel combination, construction, and arrangement of parts hereinafter fully described, and set forth in the claim.

I am enabled to accomplish the above results by the means illustrated in the accompanying drawings, in which—

Figure 1 is a central vertical section of the bottle, only a portion of the main body being shown. Fig. 2 is an elevation of the bottle on a considerably-smaller scale than that used in Fig. 1. Fig. 3 is a section on the line $x x$ of Fig. 1.

Referring to the above views by letter, A represents the main body of the bottle, which is made of any suitable strong metal, such as copper or the like, the interior of which is plated with zinc as a precaution against corrosion. The upper extremity of the body A is contracted and terminates in the threaded mouth B, while adapted to engage these threads is the long metal neck C. This neck C is connected at its upper end by suitable threads to the cap D, the latter bearing the spout E.

As a suitable valve to control the flow of the liquid I have provided the ball-valve F. In order to operate this valve F, I have em-

ployed the cylindrical thimble G, having screw-threaded engagement with a portion of the cap D and snugly fitting piston H, the latter being formed with a diagonal roadway a , which is engaged by the stationary pin b . It will be seen that as the piston H is turned by means of the handle I it will move downward and by means of the stem J force the valve F open, thereby allowing the liquid to flow through the siphon-tube K and from the spout E. As the handle I is released the spring L will force the piston H up and close the valve. It will be noted that the tube K, being screwed to the conical projection c of the cap D, can be quickly removed and ready access to the valve F thereby gained, and, further, should the cylinder G become in any manner worn it can be readily unscrewed and replaced.

The independently-formed neck C is of particular advantage in handling the bottle, while its manner of attachment makes it possible to substitute different lengths of necks to comply with different conditions.

What I claim is—

In combination with a siphon-bottle formed of metal, an independently-formed neck having screw-threaded engagement with said bottle, a spout-bearing cap having screw-threaded engagement with the outer end of said neck, a screw-threaded projection on said cap, a siphon-tube screwed to said projection, a cylinder having screw-threaded engagement with said cap, a piston sliding in said cylinder and having an inclined roadway, a pin on said cylinder and projecting into said roadway, and a stem on said piston projecting through said spout and into said projection, and a ball-valve detachably secured to said stem, and a spring encircling said stem and adapted to close said valve, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

DEWIS LANDAU.

Witnesses:

MARTIN ARONSOHN,
ELIZ. KINCAID.