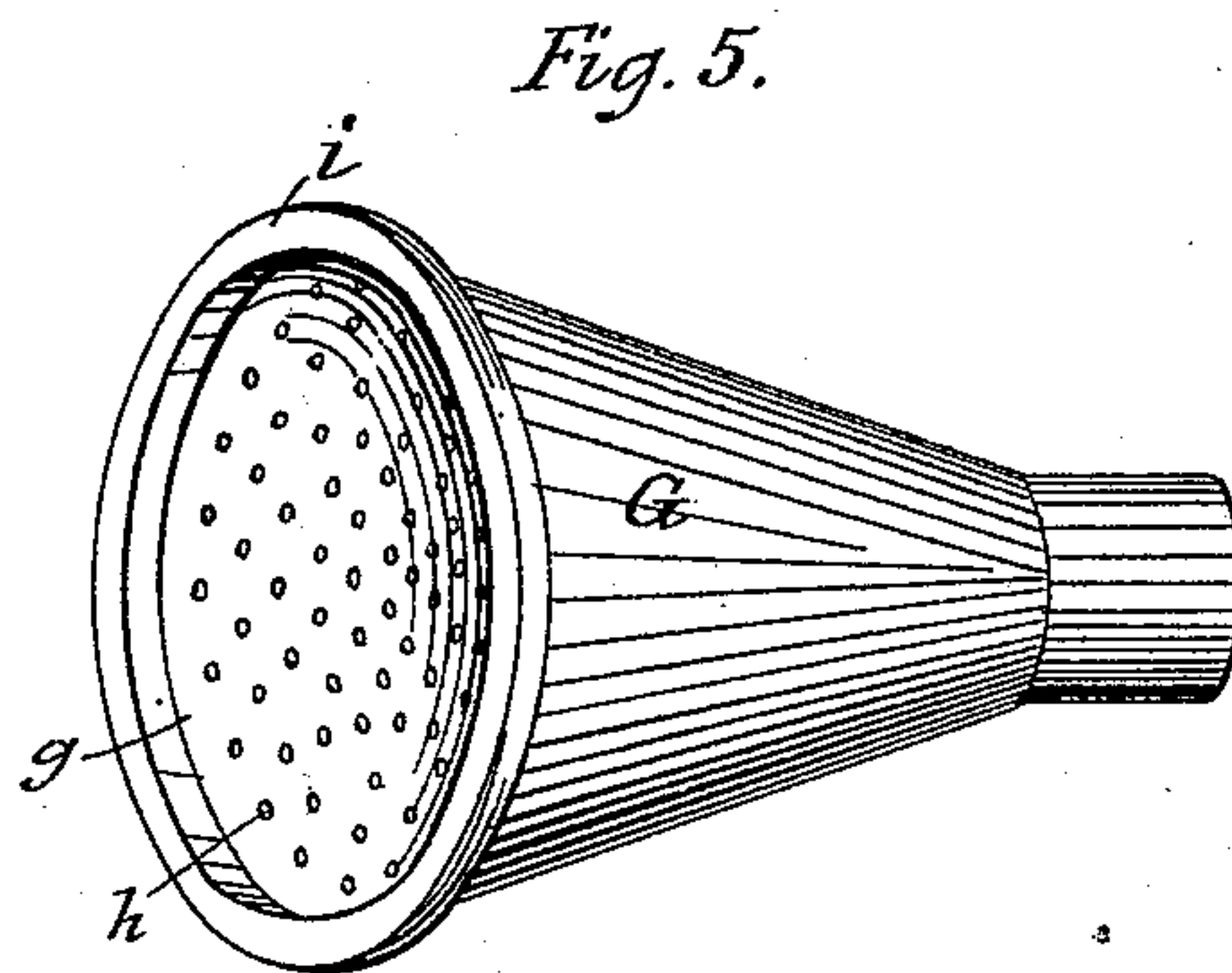
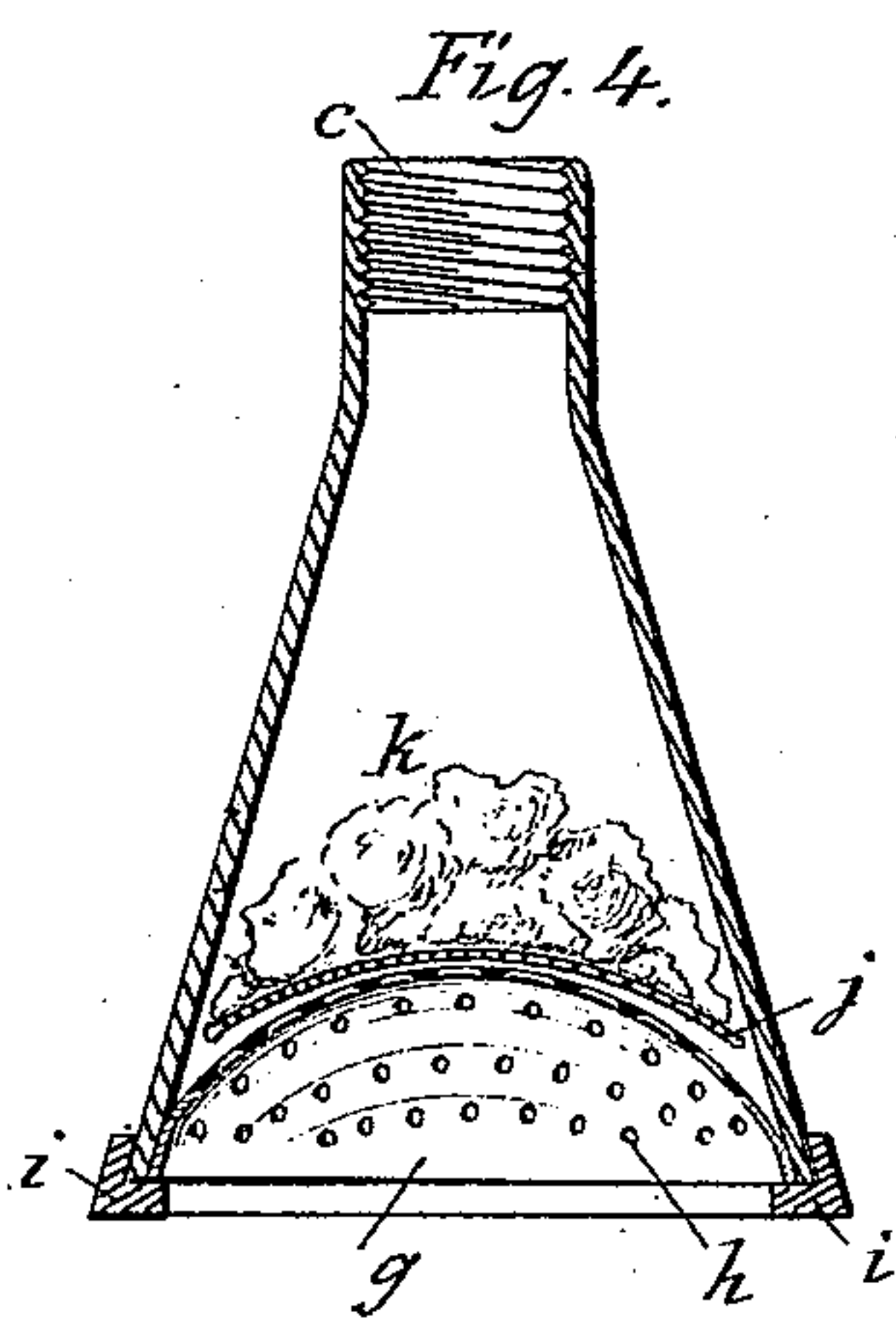
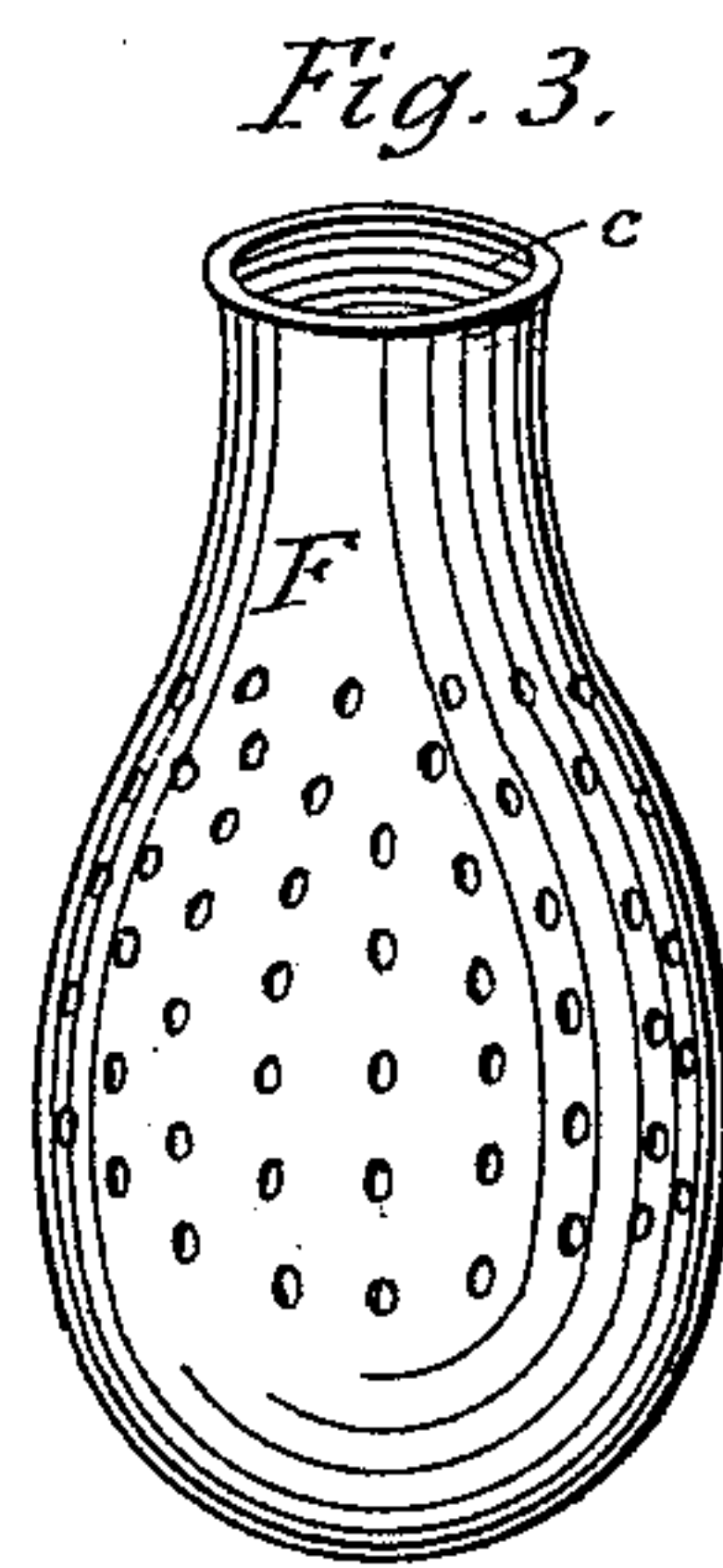
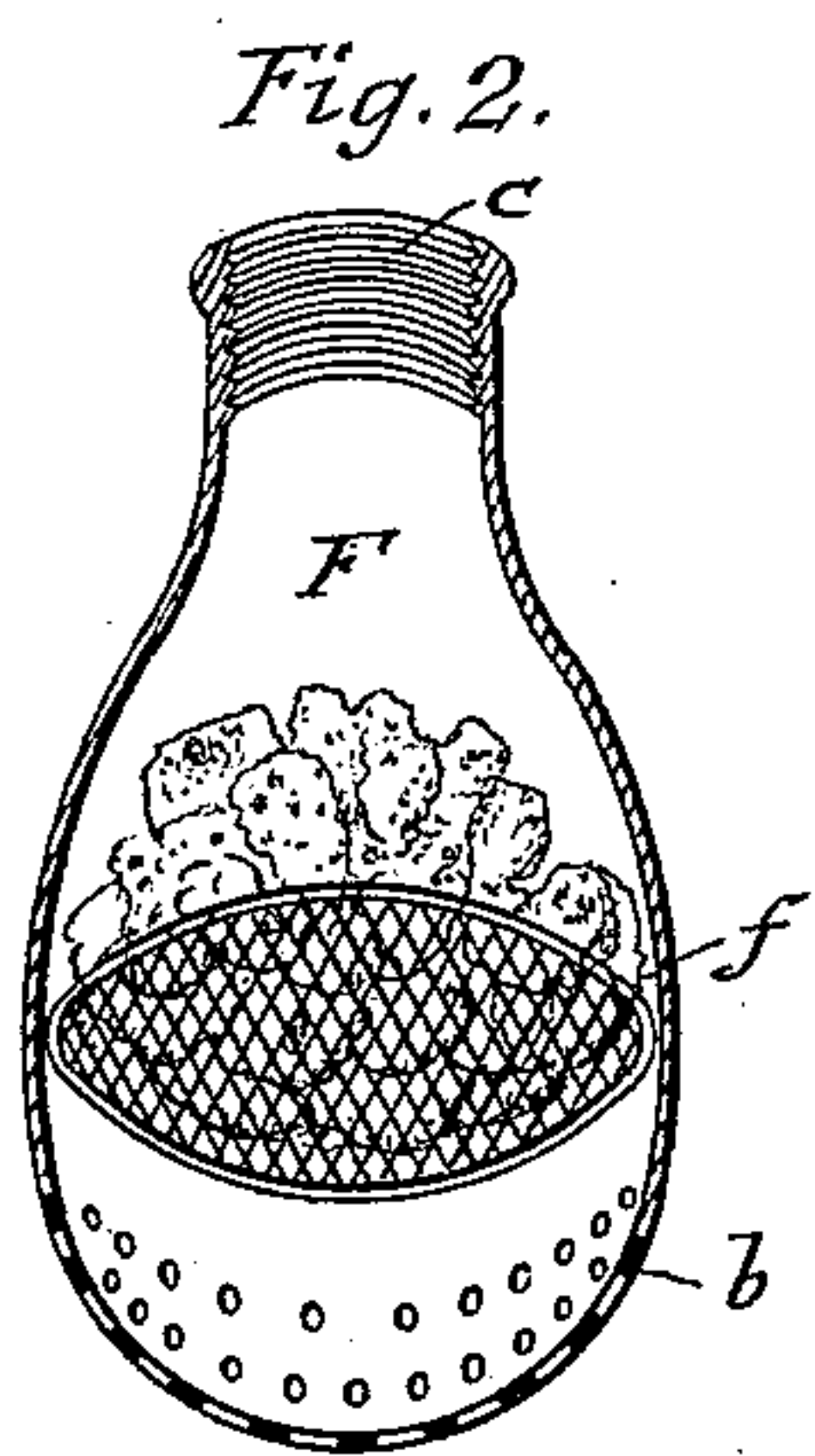
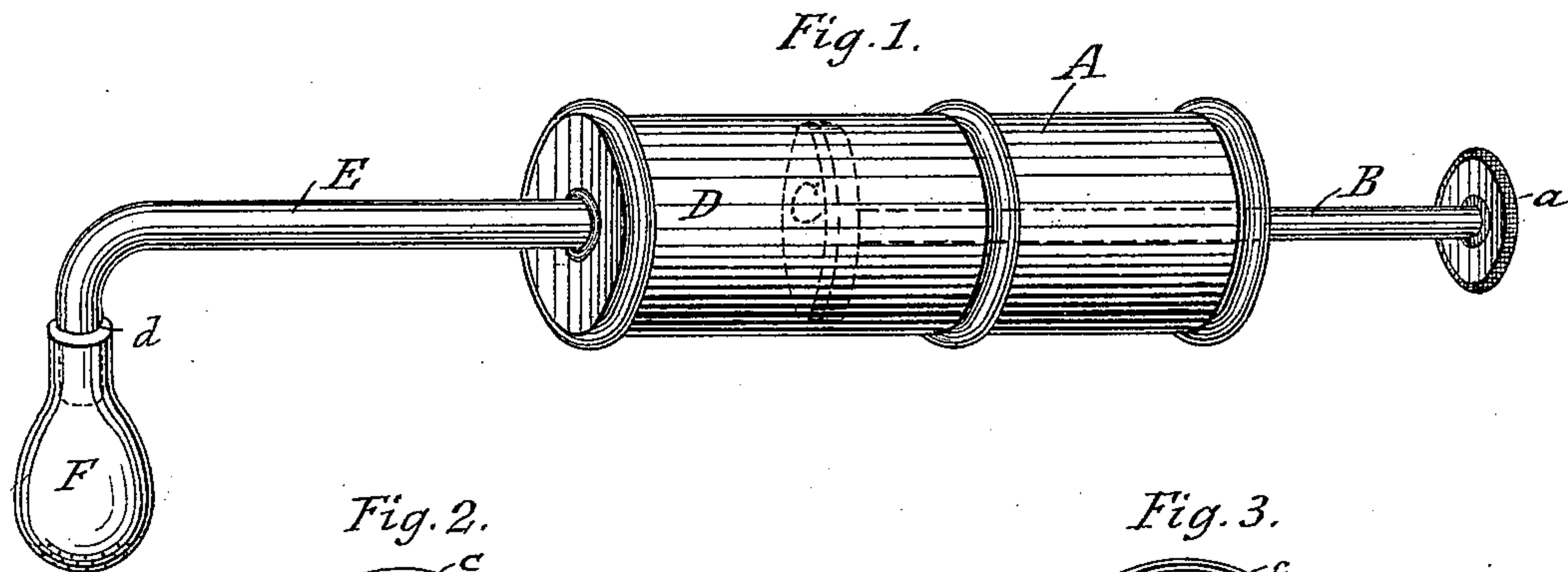


(No Model.)

J. W. WHITELOCK.  
VETERINARY SYRINGE.

No. 405,137.

Patented June 11, 1889.



Witnesses.  
Geo. Ritter  
Chas. J. Dick.

Inventor.  
John W. Whitelock  
by his  
Att'y  
H. J. England.



# UNITED STATES PATENT OFFICE.

JOHN W. WHITELOCK, OF ROANOKE, VIRGINIA.

## VETERINARY SYRINGE.

SPECIFICATION forming part of Letters Patent No. 405,137, dated June 11, 1889.

Application filed April 29, 1889. Serial No. 309,121. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. WHITELOCK, a citizen of the United States, residing at Roanoke, in the county of Roanoke and State of Virginia, have invented certain new and useful Improvements in Horse and Cattle Syringes; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in horse and cattle syringes; and it consists in a cylindrical syringe having a bent discharge-tube provided at its outer end with egg-shaped perforated discharge-bulbs having filters and strainers within the same.

The objects of my invention are, first, to force into the throat and stomach of horses, cattle, and hogs the required amount of fluid medicine, and at the same time to filter and strain out any impurities or non-soluble portions that may be held in said fluid; second, to dispense with the use of a glass bottle that is commonly employed for such purposes, (under the head of "drenching," which is dangerous to the animal, by reason of its teeth coming in contact with the bottle and breaking off pieces of glass. I attain these objects by means of the peculiar construction and arrangement of the various parts of my device, which will be fully described in the specification, and set forth in the claim.

Reference being had to the drawings accompanying this application and forming part of the same, Figure 1 is a perspective view of my invention, showing the enlarged bulb in place. Fig. 2 is a vertical sectional view of the enlarged bulb with sponge and screen in place. Fig. 3 is a perspective view of bulb with perforations in side. Fig. 4 is a vertical sectional view of spraying-nozzle, showing position of sponge and screen, and Fig. 5 is a perspective of spraying-nozzle.

Similar letters refer to like parts throughout the drawings.

Referring to the drawings, A represents the syringe proper, which is provided with a pis-

ton-rod B, and a piston-head C, working within a cylinder D. The piston-rod B is provided at its outer end with a hand-piece *a*, and the opposite end of cylinder D is provided with a bent tube E, that is curved at right angles at a point about one-third its length, its inner end being screw-threaded and attached to a screw-thread projection at the end of cylinder D in the usual form.

The enlarged egg-shaped bulb F has perforations *b* formed in its rounded outer end, and its opposite end provided with screw-threads *c* on its inner surface, which are adapted to fit the screw-threads *d* formed on the outer end of the curved neck part of tube E, by means of which said parts are joined. The bulb F is formed hollow and its inner portion, near its lower end above the perforations *b*, is provided with a circular cross strainer or screen *e*, and above said screen *e*, and resting upon it, is placed a sponge *f*, or other suitable fibrous filtering substance, the purpose of this construction being to filter the fluid forced through the same by the piston-rod B and hold back any impurities or non-soluble particles that may be held in suspension by said fluid. The syringe A, tube E, bulb F, and screen *e* are formed of metal or any other suitable material, and of any desired size adapted to the purpose and conditions under which it is used.

A concave spraying-nozzle G, having an open screw-threaded end, is adapted to fit on the screw-threaded end of curved tube E. The spray-plate *g* is formed concave, and perforated with small holes *h*, that are formed small in diameter on the inner surface of spray-plate *g*, and, tapering outward, are enlarged on the outer surface of said plate. The purpose of this construction is to minutely spray in vapor form the fluid in the syringe A, that is forced out by pressing the piston-rod B inward, by means of which the said fluid in vapor form is forced over, around, and into the eyes of horses, cattle, or hogs to wash out the dirt or humor, and cleanse and strengthen the eye without liability to injure it. The outer edge of the nozzle G is provided with an elastic rubber face-band *i*, adapted to fit closely around the outside of the animal's eye that is being sprayed, to prevent the fluid from passing over the face of the animal until the



cleansing process is complete. A concave wire screen *j* is placed inside nozzle *G*, over the spray-plate *g*, and above that is placed sponge *k*, or other suitable filtering material, and by this construction antiseptic fluids are sprayed in vapor form over and on old sores, to cleanse and purify the same.

The operation of my device for drenching animals is as follows: Fluid medicine is placed in the cylinder *D*, the bulb *F*, containing the wire net or screen *e* and the sponge *f*, is screwed onto the end of tube *E*, the piston *C* is placed at outer end of cylinder *D*, the animal's mouth is opened, the bulb *F* inserted at the side of the mouth and down back of the tongue into the throat, when the piston *B* is forced inward by the operator, the fluid is forced through bulb *F* well down into throat of the animal, preventing mouth-discharge and injury from broken glass caused by teeth-contact with a bottle when used for

similar purpose. For diseases of the throat, nasal-duct, or mouth of animals the bulb *F* is used with side perforations *b*, and the syringe used in similar manner.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

An animal-drenching device consisting of a syringe having a curved discharge-tube secured to an enlarged egg-shaped perforated bulb inclosing a wire screen and sponge, substantially as shown and described.

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

JOHN W. <sup>his</sup> × WHITELOCK.  
mark

Witnesses:

C. T. SISK,  
GEO. RITTER.