

F. A. Stohlmann.

Syringe.

Nº 75485

Patented Mar. 10, 1868.

Fig. 1.

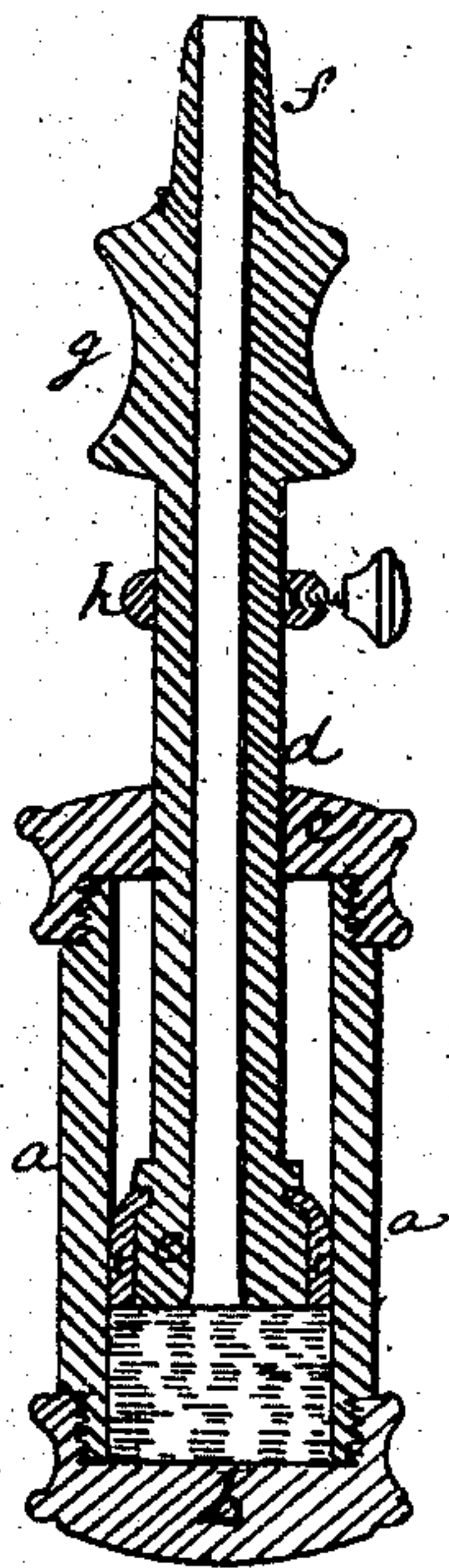
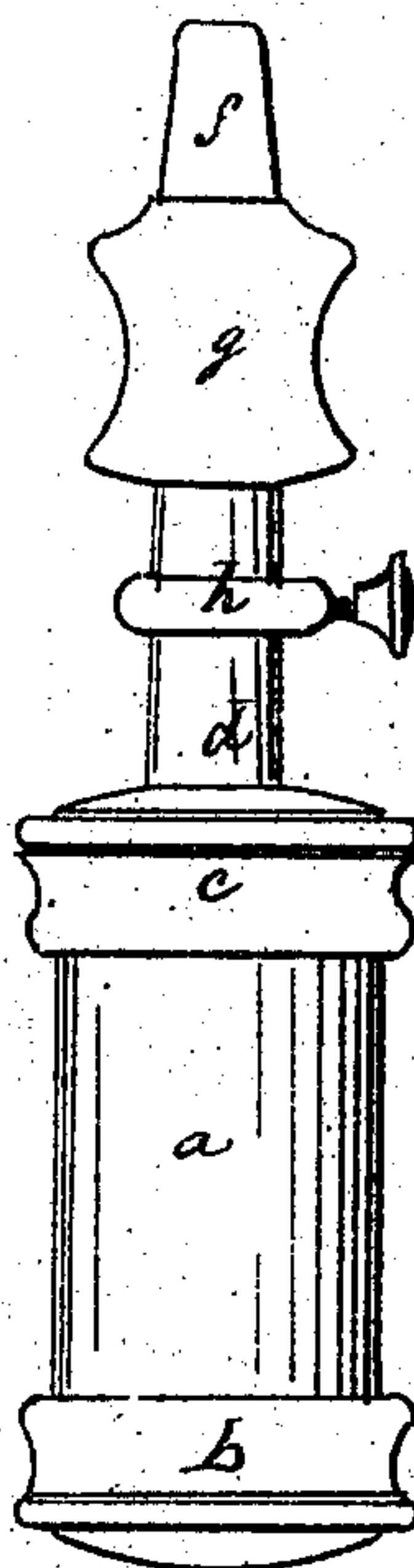


Fig. 2.



Witnesses
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FREDERICK A. STOHLMANN, OF BROOKLYN, NEW YORK.

Letters Patent No. 75,485, dated March 10, 1868.

SYRINGES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, FREDERICK A. STOHLMANN, of Brooklyn, in the county of Kings, and State of New York, have invented, made, and applied to use, a certain new and useful Improvement in Syringes; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a vertical section of said syringe, and

Figure 2 is an exterior elevation of the same.

Like letters denote the same parts.

In syringes it is usual for the nozzle to be at the end of the cylindrical case, and the piston-rod to extend through the other end. Leakage often occurs between the piston and cylinder, and the accumulation of liquid behind the piston is a great annoyance to the person using the same, either by running back when the syringe is inverted for use, or else jetting out around the handle while the syringe is being filled. Besides this, the cup-leather packing having to be forced into the cylinder becomes damaged, and thereby loses its proper shape, and leaks.

The nature of my said invention consists in a syringe in which the material is ejected through the piston-rod, and the cylinder is provided with a screw-head at the opposite end to where the piston-rod passes out.

By this construction the syringe can be filled by drawing the cylinder along over the piston and rod, or by unscrewing the cap and filling in the substance to be ejected. This enables me to introduce semi-fluid substances, such as ointments, into the syringe.

In the drawing, *a* is the cylinder of the syringe; *b*, the closed screw-head; *c*, the head through which passes the hollow rod *d* of the piston *e*; *i* is the cup-leather packing to said piston, and *f* is the nozzle-end, and *g* is a neck that can be grasped between the fingers, while the thumb is applied against the head *b* to eject the contents of the syringe through the rod *d* to the nozzle *f*. *h* is a ring around the rod *d*, that is movable and clamped by a screw. This can be adjusted to stop the action of the syringe at any desired point, and thereby regulate the amount ejected. It is never necessary to remove the head *c*, because when the head *b* is taken off, the piston *e* can be pushed through sufficiently for cleansing the parts, and for opening the packing-cup *i* if necessary, and this packing will not be injured in being drawn into the cylinder, because the edge of the packing passes in the last.

What I claim, and desire to secure by Letters Patent, is—

A syringe with a hollow piston-rod, *d*; piston *e*, screw-head or cap *b*, and neck *g*, as and for the purposes set forth.

In witness whereof, I have hereunto set my signature, this seventeenth day of July, A. D. 1867.

FRED'K A. STOHLMANN.

Witnesses:

CHAS. H. SMITH,

GEO. D. WALKER.