

(No Model.)

C. L. JENSEN.
VAGINAL SYRINGE.

No. 287,681.

Patented Oct. 30, 1883.

FIG. 1.

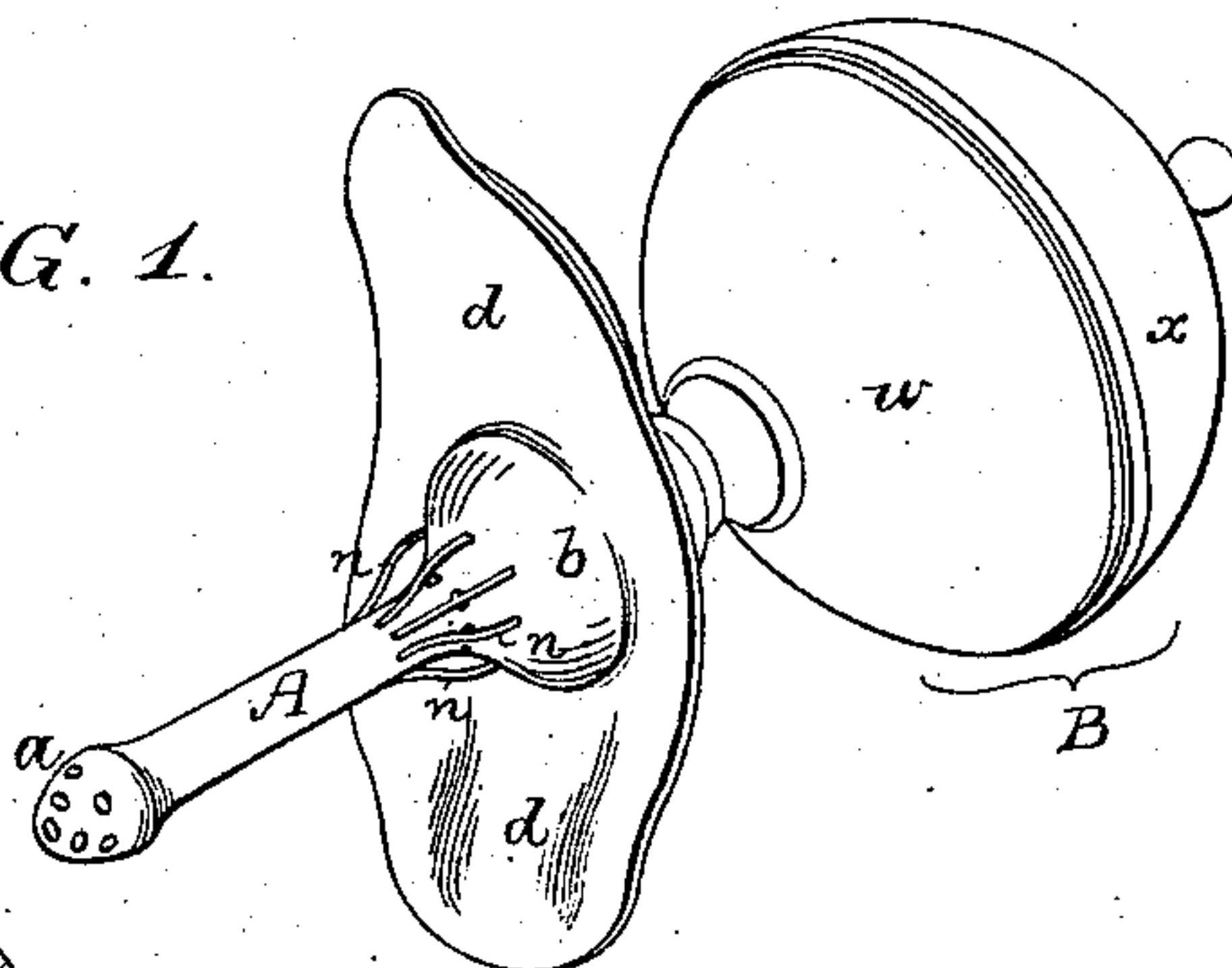


FIG. 2.

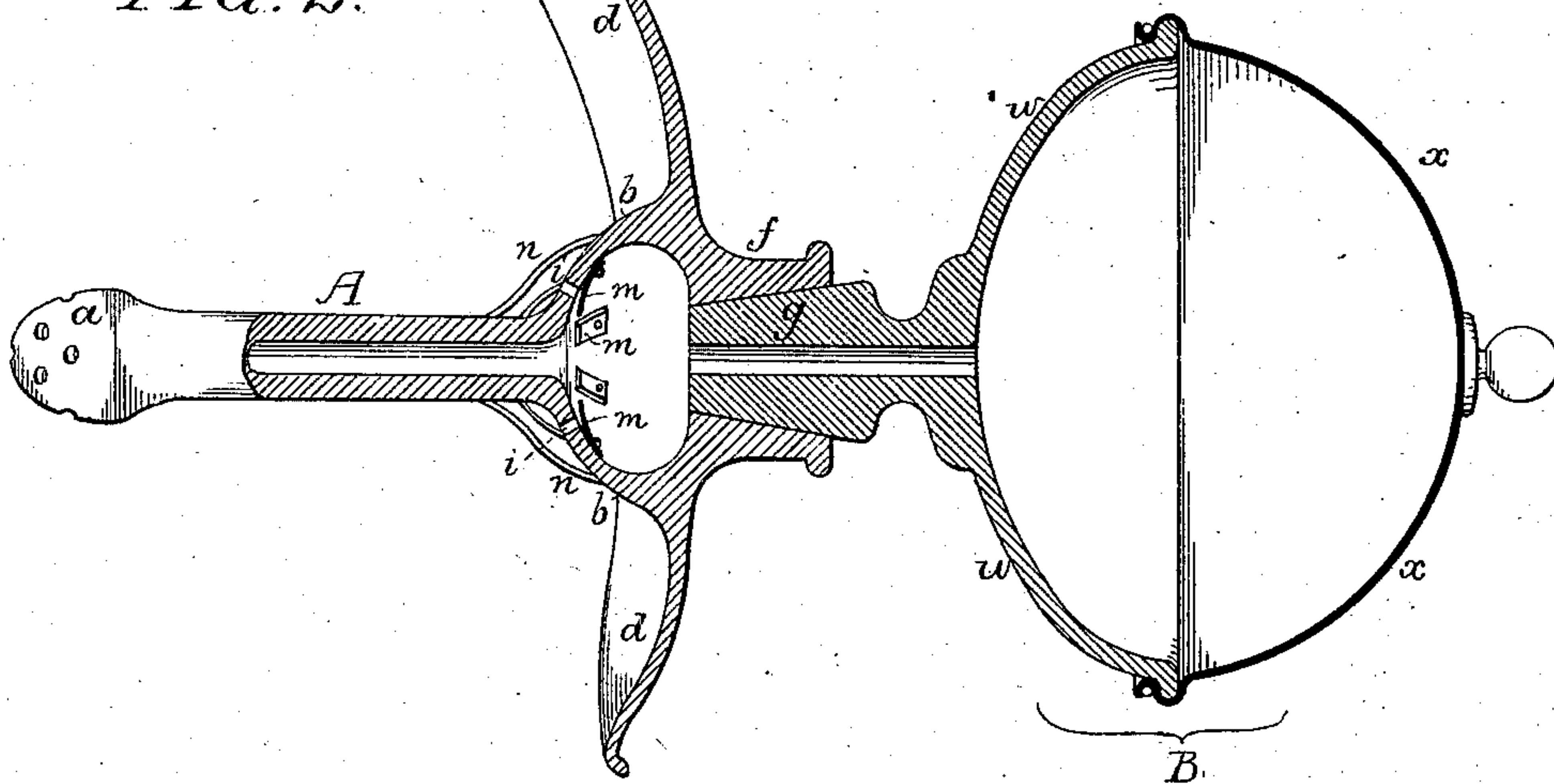
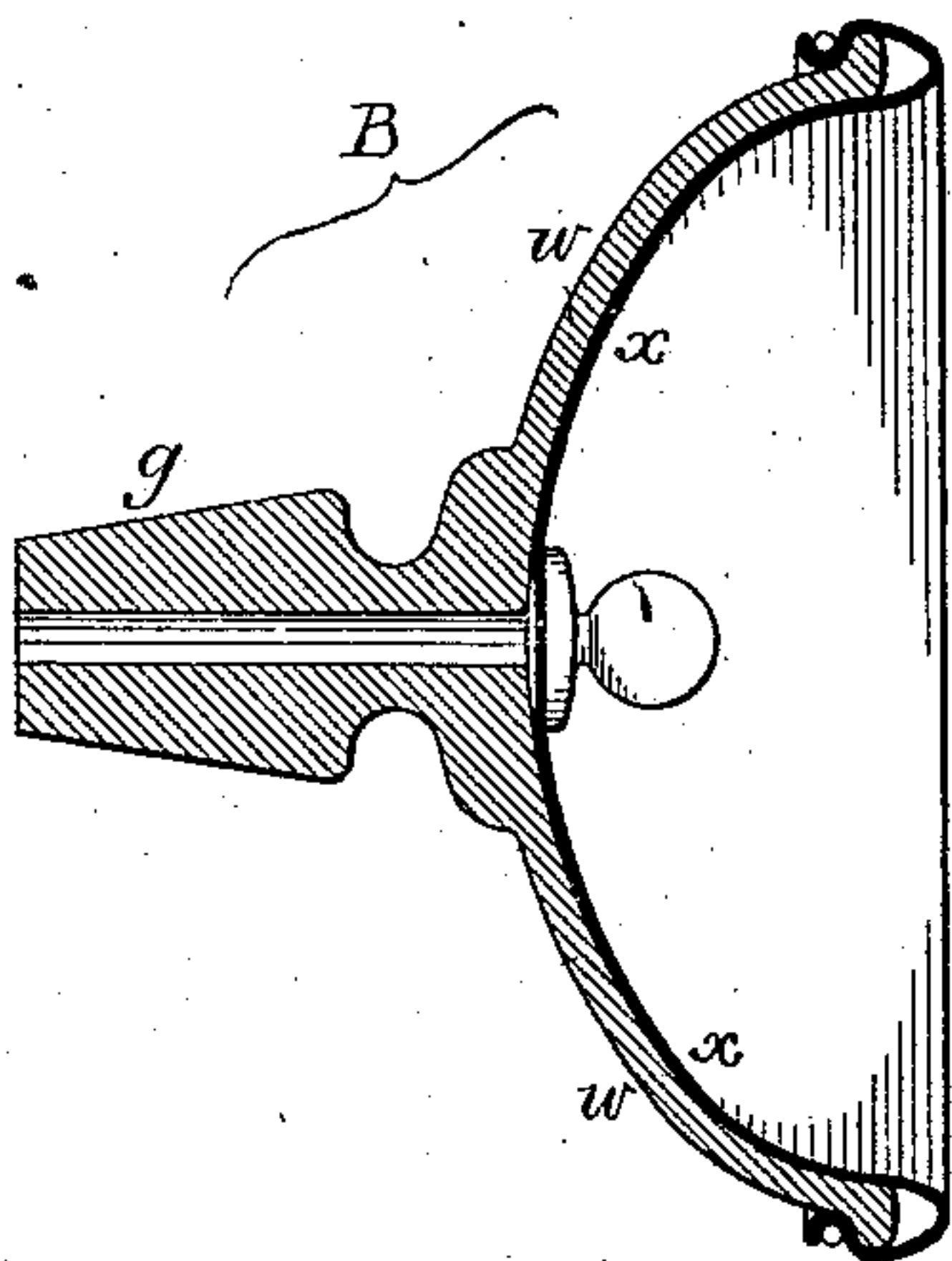


FIG. 3.



Witnesses:
Harry L. Ashenfelter.
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UNITED STATES PATENT OFFICE.

CARL L. JENSEN, OF PHILADELPHIA, PENNSYLVANIA.

VAGINAL SYRINGE.

SPECIFICATION forming part of Letters Patent No. 287,681, dated October 30, 1883.

Application filed July 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, CARL L. JENSEN, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Vaginal Syringes, of which the following is a specification.

My invention relates to that class of vaginal syringes by which the liquid is caused to flow through the vagina and out again through the syringe; the main object of my invention being to so construct the syringe that the same passage will serve both for the inlet and the discharge. A further object is to combine with the syringe a bulb of a more effective character than usual.

In the accompanying drawings, Figure 1 is a perspective view of my improved vaginal syringe; Fig. 2, a sectional view of the same on a larger scale; and Fig. 3, a detached view of the bulb, showing the same compressed.

A is the stem of the syringe, which terminates at the inner end in a perforated bulb, *a*, the opposite end of the stem merging into the cone *b*, which is adapted to fit closely to the mouth of the vagina and prevent the escape of liquid therefrom. In the event of any liquid escaping around the cone, it is caught and retained by the cupped disk *d*, which surrounds the cone *b* and fits snugly to the *pudenda* of the woman.

Within the cone *b* is a socket, *f*, which is adapted for the reception of the hollow stem *g* of the bulb B, and at or near the point where the stem A of the syringe joins the cone *b* openings *i* are formed in said stem, these openings being furnished on the inside of the hollow stem with valves *m*, and being covered on the outside by a screen formed of fine bars *n*. Liquid forced into the stem causes the closing of the valves *m*, the entire volume of liquid being thus expelled through the perforated bulb *a*, and being brought into contact with the mouth of the uterus and the inner part of the vagina with a force dependent upon the pressure imparted to the liquid. On exhausting the liquid a portion of the same re-enters the stem at the end *a*, and another portion finds its way down through the vaginal tube

and around the stem to the openings *i*, and enters the stem through said openings, the valves *m* opening freely to permit its entrance but closing when pressure is again applied to the liquid. The bars *n* serve to distend the vaginal tube at and near the base of the stem A, and thus prevent the walls of said tube from closing the openings *i*.

The bulb B comprises two parts—the semi-spherical cup *w* and the cap *x*, the edge of which is secured to the edge of the cup, the latter being rigid, but the cap being made of rubber or other flexible material, so that it can be thrust down into the cup, as shown in Fig. 3, the cap fitting snugly to the interior of the cup, so as to force therefrom the entire volume of liquid contained in the bulb—a result which cannot be attained with the usual rubber bulb.

The entire instrument, with the exception of the valves *m* and cap *x*, is preferably made of hard rubber, although metal may be employed, if desired.

I claim as my invention—

1. The hollow stem A, having at the inner end openings *a* and at the outer end the openings *i* and disk *d*, in combination with internal valves, *m*, adapted to close said openings *i* when liquid is forced through the stem, as set forth.

2. A vaginal syringe consisting of a stem, A, perforated at the inner end, constructed at the outer end to close the mouth of the vagina, and having openings *i*, with internal valves, *m*, and external screen-bars, *n*, as set forth.

3. The combination of the syringe with a bulb, B, comprising the rigid hemispherical cup *w*, with stem *g* and the flexible cap *x*, the edge of which overlaps and is secured to the mouth of the cup *w*, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CARL L. JENSEN.

Witnesses:

HARRY L. ASHENFELTER,
HARRY SMITH.