(No Model.)

J. P. SCHENCK.

SPECULUM SYRINGE.

No. 365,542. Patented June 28, 1887.

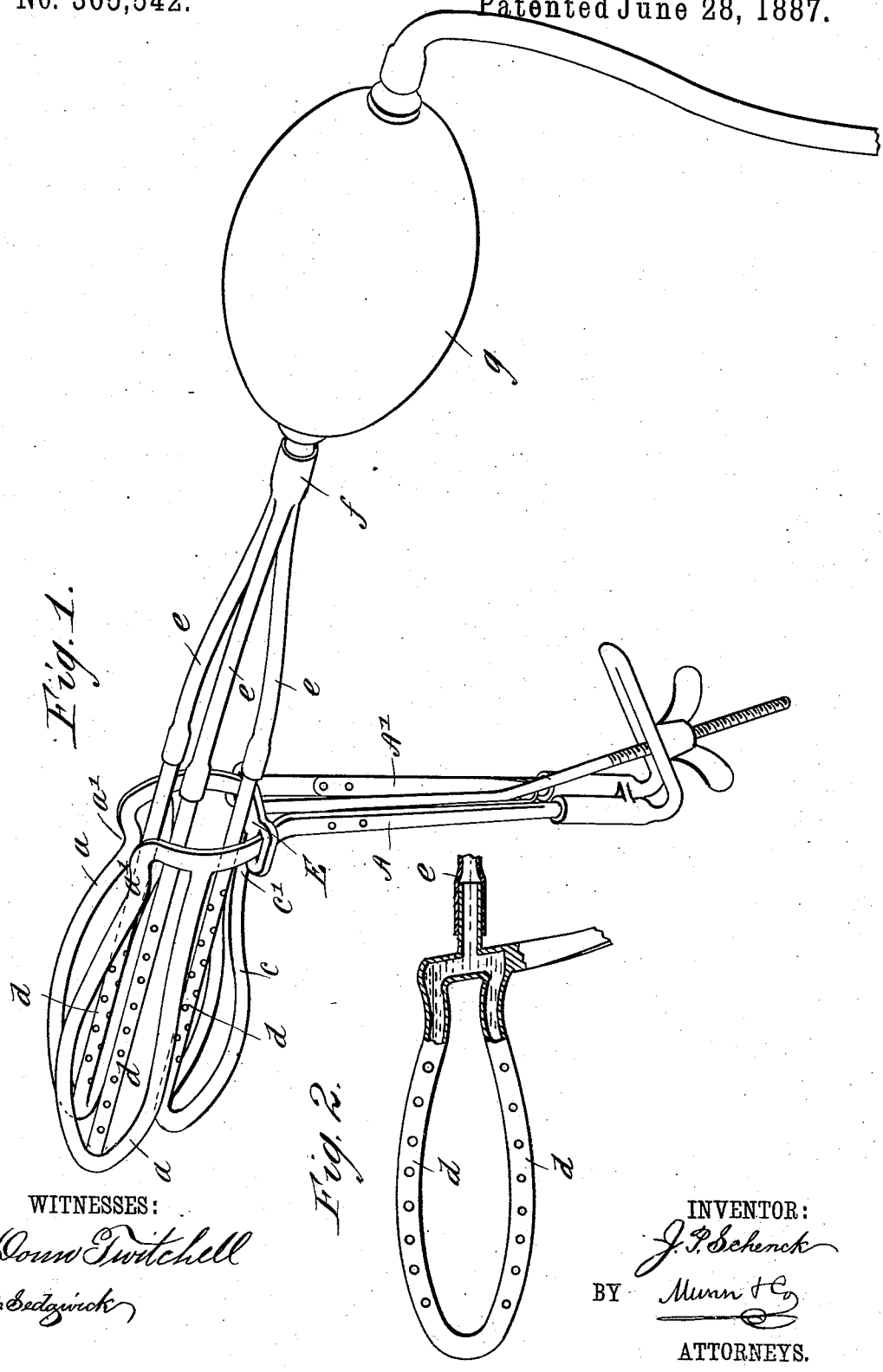


Fig. 1.

Fig. 2.

WITNESSES:

Donn Twitchell

C. Sedgwick

INVENTOR:

J. P. Schenck

BY Munn & Co

ATTORNEYS.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

JOHN P. SCHENCK, OF MATTEAWAN, NEW YORK.

SPECULUM-SYRINGE.

SPECIFICATION forming part of Letters Patent No. 365,542, dated June 28, 1887.

Application filed February 1, 1887. Serial No. 226,166. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. SCHENCK, of Matteawan, in the county of Dutchess and State of New York, have invented certain new and useful Improvements in Speculum-Syringes, of which the following is a full, clear, and exact description.

My invention relates to the speculum for which I filed an application on the 17th day of November, 1886, Serial No. 219,156, and allowed under date of December 21, 1886.

The object of my present invention is to combine a syringe with the speculum.

The invention consists of movable fingers, each carrying a perforated tube.

The invention also consists of the various parts and details hereinafter described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of my improvement. Fig. 2 is an inside face view of a modified form of one of the fingers, with parts in section.

In my present application I operate the fingers *a a* and *c* by the cross-piece E, engaging the inclines of the arms A A′ in the same manner and by the same means as described in my former application referred to. Instead, however, of making the fingers straight, as shown in previous drawings, they are now slightly curved and formed with a neck, *a′* or *c′*, at their outer end, in which neck the mouth of the vagina is retained, so as to hold the instrument firmly in position.

To the inside of each of the fingers *a a* or *c* is secured a perforated tube or pipe, *d*, which may be arranged as shown in Fig. 1, in which the tube is straight and placed in the middle of each finger; or it may be arranged as shown in Fig. 2, in which the tube is secured to the arms of each finger and follows their shape. In the former case the perforations are all around the tube *d*, while in the latter arrangement the perforations are only on the inside.

To the outer end of each tube or pipe *d* is secured an elastic branch tube, *e*, extending from the main tube *f*, connected in any suitable manner with means for forcing a liquid into the said perforated tubes or pipes *d*. I prefer, however, to use the common syringe-pump, *g*, shown in Fig. 1, and discharging into the main tube *f*.

It will be seen that when the instrument is applied, as stated in my former application, then the perforated tubes or pipes follow the movements of the fingers *a a* and *c*, and when the fingers are held expanded then the operator can force a liquid into the vagina by the syringe-pump and its connection, the elastic tube *e f*, and the perforated tubes or pipes *d*.

The tubes *e* are made elastic, so as to follow the movements of the perforated tubes.

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

1. In a speculum syringe, the combination, with the fingers, of a perforated tube secured rigidly to each of said fingers and moving with the same, substantially as set forth.

2. The upper fingers and rods supporting the said fingers and provided with an incline, in combination with the lower finger, a cross-piece supporting the said lower finger and operating on the said incline to open the upper fingers, perforated tubes secured rigidly to the said upper and lower fingers, and means connected with the said perforated tubes to force a liquid through the said perforated tubes, substantially as herein shown and described.

JOHN P. SCHENCK.

Witnesses:
THEO. G. HOSTER,
C. SEDGWICK.