

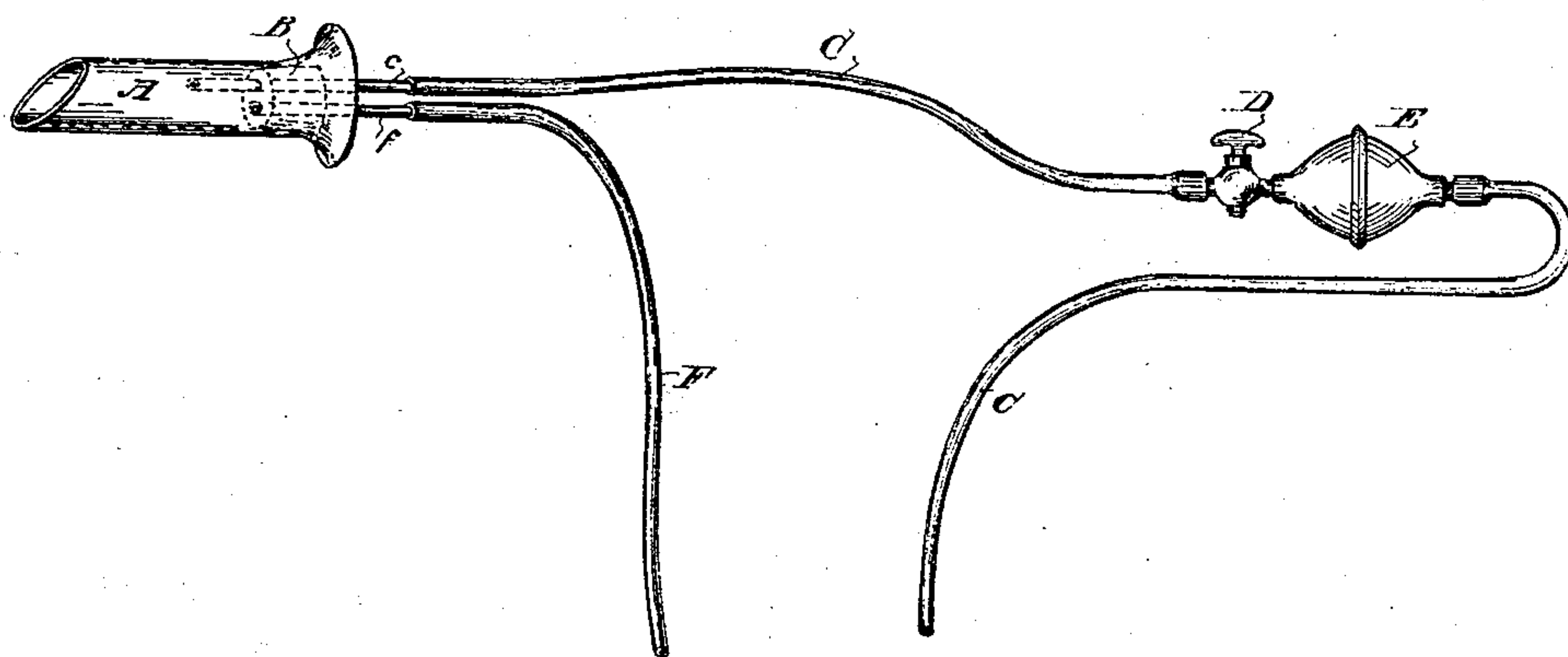
(No Model.)

G. W. LUTZ.

SPECULUM AND VAGINAL IRRIGATOR.

No. 277,042.

Patented May 8, 1883.



WITNESSES.

*Jacob W. Laepper*  
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*Att'y.*

# UNITED STATES PATENT OFFICE.

GEORGE W. LUTZ, OF INDIANAPOLIS, INDIANA.

## SPECULUM AND VAGINAL IRRIGATOR.

SPECIFICATION forming part of Letters Patent No. 277,042, dated May 8, 1883.

Application filed October 19, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. LUTZ, of Indianapolis, Indiana, have invented a new and useful Improvement in Uterine Irrigators  
5 Combined with a Speculum, of which the following is a description, reference being had to the accompanying drawing for an illustration thereof.

My object is to produce an instrument one  
10 part of which is a common glass speculum for observing the interior of the vagina and the uterus, and the other an apparatus for washing and irrigating the parts referred to in connection with the speculum.

15 In the drawing, A is an ordinary glass speculum, in the funnel-shaped mouth of which is fitted a tapering plug or stopper, B. This plug has two holes passing through its length, in which are fitted closely pipes of differing  
20 lengths, *c* and *f*, which are each longer than the stopper, the inner ends leading into the speculum any suitable distance, and to the outer ends are attached two flexible tubes, C and F, one of which, C, being the induction  
25 and the other, F, being the eduction tube. The induction-tube C has a brass stop-cock, D, and compressible air-chamber E, located about midway its length, as shown. The induction-tube C is connected to the small pipe  
30 *c*, and the eduction-tube F to the small pipe *f*, when the device is made ready for use.

My device operates as follows: The upper and open end of the induction-tube C being placed in a basin of water, set on any convenient shelf or table or chair, the stop-cock D  
35 is closed. The operator then compresses the air-chamber E, forcing the air out of the upper end of the induction-tube. The compressing force is then removed, and water flows into the  
40 tube to fill the vacuum. The stop-cock is then

opened, and the water continues to flow into the induction-tube, and thence into the speculum. The latter being placed in the vagina, the water flows into the latter, and when it is full it escapes, through the small pipe *f*, out  
45 the eduction-tube F into any receptacle provided. The water, once started, continues to flow until cut off by the stop-cock or until the basin is emptied.

I am aware that apparatus has been made  
50 and used for washing the vagina, wherein two small pipes have been used inside a larger pipe, and do not broadly claim such a device or the use of such tubes; but my device is preferable to these in many respects. I use an  
55 ordinary speculum for the vaginal tube, and close it by my universal stopper, which is made tapering to fit any size speculum the attending physician may have at hand.

If, during the irrigating process, the physician desires to examine the womb, he can do  
60 so by simply withdrawing the taper plug, as the speculum is already in place for such examination.

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

A combined speculum and irrigator, wherein an ordinary speculum is fitted with a tapering plug inclosing two pipes of suitable  
70 lengths, and adapted for connection with flexible induction and eduction tubes, in combination with such tubes and means for operating the same, substantially as described.

In witness whereof I have hereunto set my hand this 6th day of September, 1882.

GEORGE W. LUTZ.

Witnesses:

C. P. JACOBS,  
H. S. PARK.