

(No Model.)

J. N. WASHINGTON.
SPECULUM HOLDER.

No. 439,028.

Patented Oct. 21, 1890.

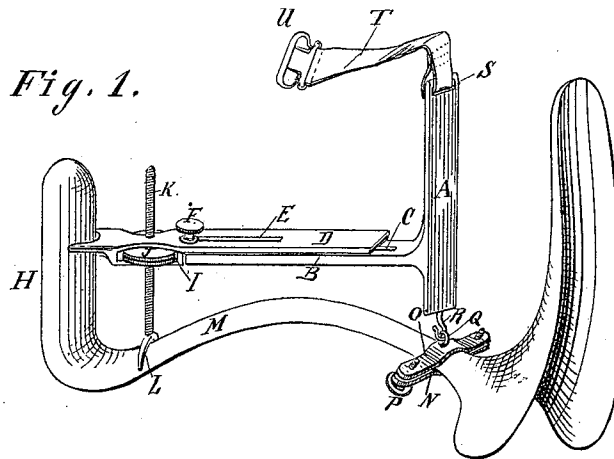
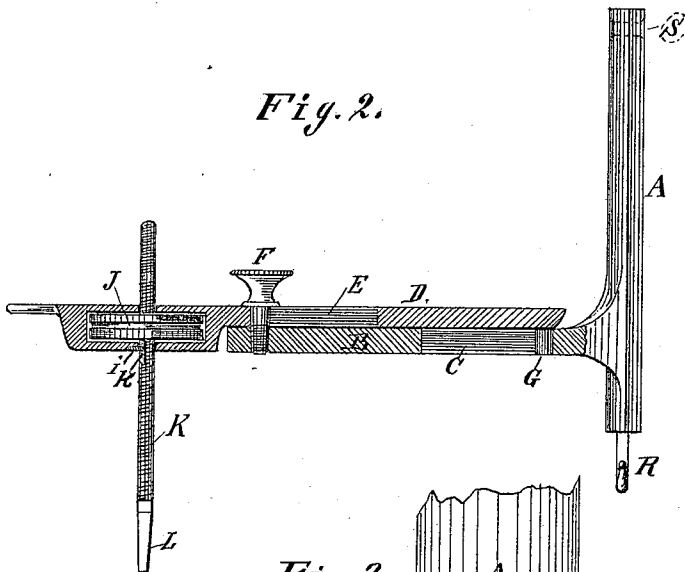
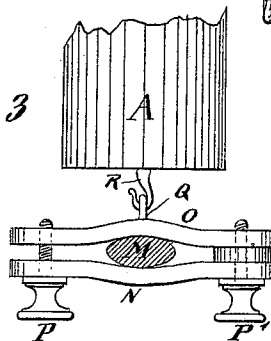
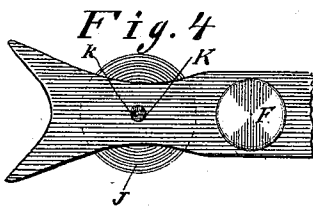


Fig. 3.



Attest:

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UNITED STATES PATENT OFFICE.

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SPECULUM-HOLDER.

SPECIFICATION forming part of Letters Patent No. 439,028, dated October 21, 1890.

Application filed January 2, 1890. Serial No. 335,707. (No model.)

To all whom it may concern:

Be it known that I, JOHN N. WASHINGTON, a citizen of the United States, and a resident of the county of Cook, in the State of Illinois, have invented a new and Improved Speculum-Holder, of which the following is a specification.

My invention relates to a speculum-holder especially adapted to Sims's vaginal speculum or its modifications, by means of which it may be held in proper position without the assistance of an attendant.

In order that my invention may be fully understood, I will proceed to describe the same, with reference to the accompanying drawings, in which—

Figure 1 is a perspective view showing the holder in position on a Sims's vaginal speculum. Fig. 2 is a longitudinal section, partly in elevation. Fig. 3 is a detail view of the clamp. Fig. 4 is a detail view of a portion of the adjustable piece or slide.

In the drawings, A represents a perpendicular piece, having an arm B of similar material projecting at a right angle therefrom near its lower end and provided with a slot C near its inner end.

D is an adjustable piece or slide attached to the arm B, so that it may be adjusted by means of a set-screw F, passing through a slot E in the slide and screwing into the outer end of the arm.

To guide the slide D as it is moved from one position to the other, I provide it at its inner end with a pin or stud G, which enters the slot C of arm B. The outer end of the slide D is forked to fit the external blade H of the speculum, as shown in Fig. 1, and also has a recess I, in which is placed the adjusting-nut J, through which passes screw-rod K, forked at its lower end at L to fit shaft M of the speculum, as shown. The screw-rod K has a longitudinal groove k, into which protrudes a pin or feather i, serving as a guide to prevent rotary motion of the screw, but not interfering with its longitudinal motion when the adjusting-nut is turned.

N O are two sections of a clamp held together by means of two set-screws P P'. Part O is provided with an eye Q to receive hook R on the lower end of part A. At its upper

end part A has a slot S to receive a strap T, provided with a buckle U.

The *modus operandi* of this speculum-holder is the following: The clamp N O, having been detached from the hook R, is set at the proper point on the shaft M of the speculum and tightened by set-screw P. The patient being in Sims's position, the speculum is then introduced in the usual manner. Then the perpendicular piece A is hooked to the clamp, and the forked end of slide D is loosely applied in contact with the outer blade H of the speculum. The speculum-holder is then fastened by means of buckle U to a long strap secured to the head of the table or chair. Being thus held firmly, the speculum is placed and maintained in the most advantageous position by depressing its outer blade H, which is done by means of the forked end of adjustable piece D acting on its tip, and forked end L of screw K acting on its shaft, as in Fig. 1. The perinæum is forced back to its fullest extent by sliding the clamp nearer to the proximal end of speculum.

The instrument keeps its position perfectly, and the speculum-holder acts exactly as a mechanical assistant. The physician having both hands free, proceeds in his investigation as when an attendant aids him.

The speculum shown in Fig. 1 is Heburn's modified Sims.

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

1. A speculum-holder consisting of a perpendicular piece having an arm projecting therefrom at an angle adapted to the application of a slide thereto, means for suspending it from above the arm, a slide adjustable on the arm, and means at the lower end of the slide for applying the holder to the speculum, substantially as set forth.

2. A speculum-holder consisting of a perpendicular piece having an arm, a slide adjustable on the arm provided with a forked end, means for attaching the holder to the speculum, and means for suspending the device, substantially as set forth.

3. A speculum-holder consisting of a perpendicular piece having an arm, a slide adjustable on the arm provided with a forked

end, a rod carried by the slide having a forked lower end, and means for attaching the holder to the speculum, substantially as set forth.

4. A speculum-holder consisting of a perpendicular piece having an arm, a slide adjustable on said arm provided with a recess, an adjusting-nut in said recess, a screw-rod on which the nut is fitted provided with means for engaging the speculum, and means for preventing the rotation of the screw-rod, substantially as set forth.

5. A speculum-holder consisting of a perpendicular piece having an arm, a slide adjustable on said arm provided with a recess, an adjusting-nut in said recess, a forked screw-rod on which the nut is fitted provided with

a longitudinal groove, a pin or feather projecting into the groove, and means for attaching the device to the speculum, substantially as set forth.

6. A speculum-holder consisting of a perpendicular piece having a slotted arm, a slide provided with a slot and having a pin or stud engaging in the slot of the arm, a thumb-screw passing through the slot of the slide and into the arm, and means for attaching the device to the speculum, substantially as set forth.

JNO. N. WASHINGTON.

Witnesses:

MOSES SALOMON,
MARTHA MOSES,
EDWARD J. WALSH.