J. KEAN.

Pessary.

No. 163,871. Patented June 1, 1875.

Fig. 1.

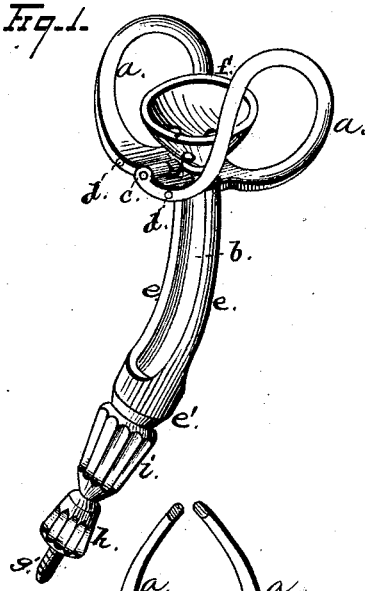
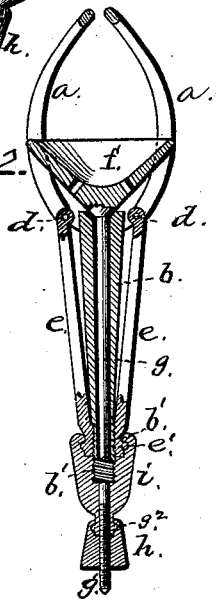


Fig. 2.



WITNESSES

W. S. Newman.

R. M. Barr.

INVENTOR

John Kean

By Leggett & Leggett. Attorneys.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N. Y.

UNITED STATES PATENT OFFICE.

JOHN KEAN, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN PESSARIES.

Specification forming part of Letters Patent No. **163,871**, dated June 1, 1875; application filed May 11, 1875.

To all whom it may concern:

Be it known that I, JOHN KEAN, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Pessary; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention has relation to surgical appliances; and consists of an improved self adjusting and sustaining pessary, syringe, &c.

In the drawings, Figure 1 is a perspective view, and Fig. 2 a vertical sectional elevation, of the instrument complete.

a a are open-work jaws, hinged together and to a hollow curved standard, *b*, at *c c*. This standard is constructed at its lower end with a left screw-thread, *b'*. Hinged to each of the jaws *a a*, at *d d*, are arms or curved rods *e e*, through the lower united end, *e'*, of which passes the standard *b*. *f* is a cup, perforated at its bottom, secured to a curved stem, *g*, in the interior of the standard *b*. The end of this stem *g* is constructed with a right screw-thread, g^1. *h* is a nut working on the right screw-thread g^1 of the rod *g*, and held in place by engaging, by the shoulder g^2, on the nut *i*, the said nut *i* working on the left screw-thread *b'* on the standard *b*. This nut *i* is held in place by engagement with the piece *e'*, which, with its arms *e*, are stationary.

The operation of the parts is as follows—the parts being in the position, as shown in Fig. 2, with the jaws closed and the cup down in place: By turning the nut *i* to the right the part *b*, by reason of the nut working on the left screw-thread *b'*, is pushed up or advanced, the parts *e'* and nut *i* remaining stationary, thus opening or expanding the jaws. By turning the nut *h* to the left, which, by its connection with the nut *i*, remains stationary, the rod *g* is pushed up or advanced, thus raising the cup *f*.

The application or use of the instrument is as follows—the jaws being closed and the cup down close, in place, as shown in Fig. 2: The instrument is introduced into the vagina as far as necessary. The nut *i* is then turned to the right, which expands the jaws *a a* to any extent to suit the wearer. Thus the instrument is securely held in place in the vagina, and without any external appliances. The cup *f* is then brought up by turning the nut *h* to the left until the mouth of the uterus is received into the cup *f*.

Thus it will be seen that the mouth and neck of the uterus is supported and held up in place, and the instrument is self-sustaining and may be adjusted to any desired degree, while in place in the vagina, to suit the wearer.

The cup being perforated at its bottom, all excrement from the uterus is allowed to pass off, and is not in the least impeded by the instrument.

The central part of the instrument being hollow and the cup perforated, it may be readily used as a syringe, or a sponge may be clamped between the jaws and inserted into the vagina for any purpose.

The instrument may be made of any suitable or appropriate size and material or combination of materials.

I am aware that hinged wings and adjustable cups have before been employed in pessaries or uterine supporters; this, therefore, I do not claim.

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

The adjustable and self-sustaining pessary composed of hollow curved standard *b*, constructed at its end with screw-thread *b'*, adjustable jaws *a*, hinged together and to the standard, arms *e*, united at the lower end and hinged to the jaws at the top, perforated cup *f*, secured to a curved stem, *g*, constructed at its end with screw-thread *g'*, and operating-nuts *h i*, working on screw-threads *b' g'*, all constructed, arranged, and adapted to operate as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 30th day of April, 1875.

JOHN KEAN. [L. S.]

Witnesses:

JAMES RASH,

P. P. BLAKE.