

E. Colrin,

Truss.

N^o 4,134.

Patented Aug. 4, 1845.

Fig. 1.

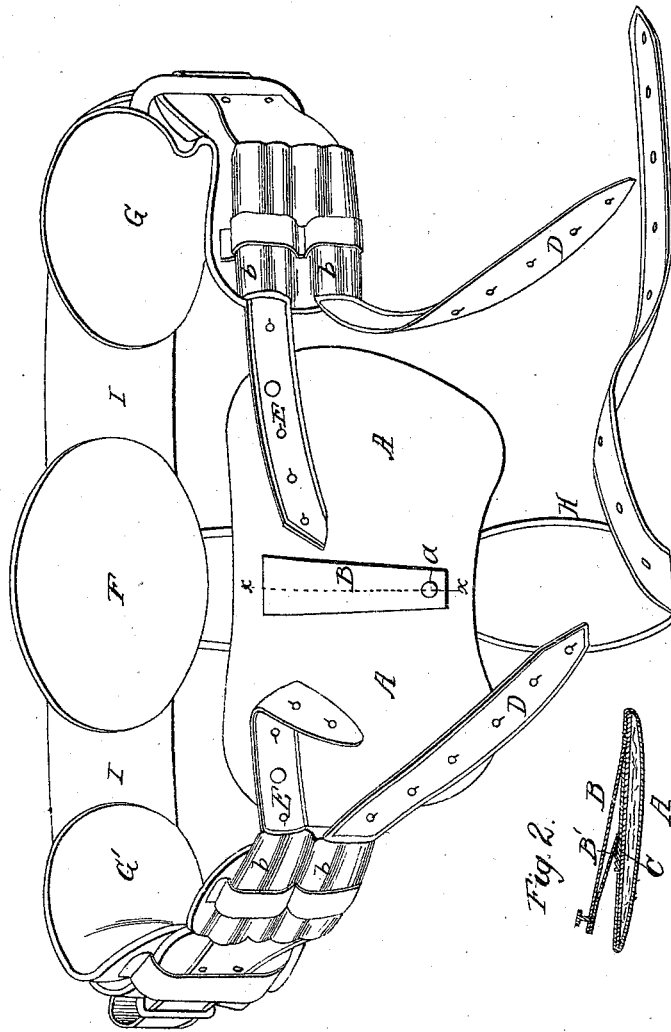


Fig. 2.



UNITED STATES PATENT OFFICE.

EPHRAIM COLVIN, OF NORTH GRANVILLE, NEW YORK.

UTERINE SUPPORTER.

Specification of Letters Patent No. 4,134, dated August 4, 1845.

To all whom it may concern:

Be it known that I, EPHRAIM COLVIN, of North Granville, in the county of Washington and State of New York, have made a new and useful Improvement in the Manner of Constructing Uterine Supporters for the Cure or Relief of Prolapsus Uteri; and I do hereby declare that the following is a full and exact description thereof.

10 In my uterine supporter I employ an abdominal, or hypogastric, and a perineal pad, such as have been in general use in such instruments, and these I connect together by buckles and straps, furnished with spiral springs in such manner as readily to adjust and adapt the instrument to the body of the patient. My improvement in this apparatus consists, mainly, in the manner in which I have combined a spring lever with 20 the hypogastric, or abdominal, pad, which lever is so arranged as that by loosening, or tightening, the straps which are attached to it, the pad may be made to press with increased, or with diminished, force on its lower portion. The whole instrument, also, is so constructed as to set easily in every position of the body, the counteracting pressure being made principally upon the hips, instead of upon the lower portion of the spine, as is usually the case. Its ease of 30 adaptation is such as to enable the patient to lie down without experiencing any inconvenience from the continued wearing of it. The pressure may be readily graduated in any desired degree, and the perineal pad is not liable to shift from its place, the whole instrument acting with the motion of the muscles.

40 In the accompanying drawing, Figure 1, is a perspective view of the whole instrument; and Fig. 2, a section through the abdominal pad, and spring lever, in the line *x, x*, of Fig. 1.

A, A, is the abdominal pad, and B, the 45 spring lever. This lever is firmly attached,

by its upper end, to the foundation plate of the pad, A, and it is bent so as to form a spring catch, as shown in the section B', Fig. 2. Upon the plate of the pad, A, is attached a notched piece of metal, C, which 50 serves as a ratchet for the upper end of the piece, B', to catch in, so as to bear the part B, out to a greater or a lesser, distance from the pad plate. On the lower end of the piece B, there is a stud, or button, *a*, for attaching the lower pair of straps, D, D, to 55 the abdominal pad. By this arrangement, the lower part of said pad may be made to press with the required force, which may be altered at pleasure. The straps, D, D, and the pair E, E, which latter button on 60 to the upper part of the pad A, are furnished with spiral springs at *b, b*, where they join the main strap that surrounds the body. The back pad, F, and the side pads, G, G, that bear on the hips, are made soft and yielding.

H, is the perineal pad, which does not differ from those previously in use.

The main strap, I, I, that surrounds the 70 body, is divided into two parts, which are united by suitable straps and buckles at the back of the back pad, F.

Having thus fully described the manner in which I construct my abdominal sup- 75 porter, for the cure, or relief, of prolapsus uteri, what I claim therein as new, and desire to secure by Letters Patent, is—

The combining with the hypogastric, or abdominal, pad, a spring lever, such as is 80 shown at B, B', in the accompanying drawing, in such manner as that it may be used to increase, or to diminish, the pressure on the lower part of said pad, by an arrangement substantially the same with that here- 85 in fully made known.

EPHRAIM COLVIN,

Witnesses:

THOS. P. JONES,

EDWIN L. BRUNDAGE.