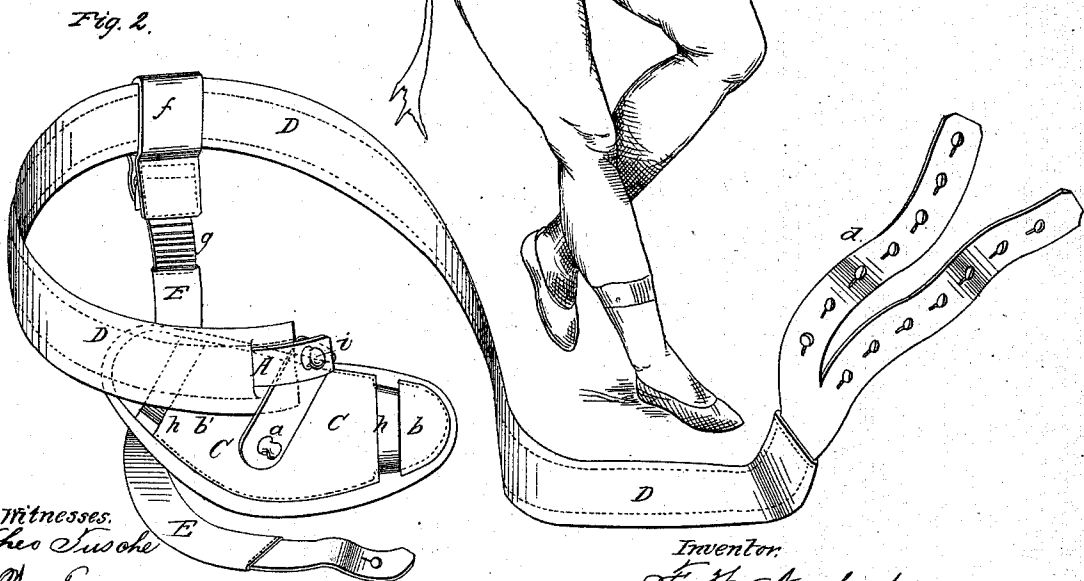
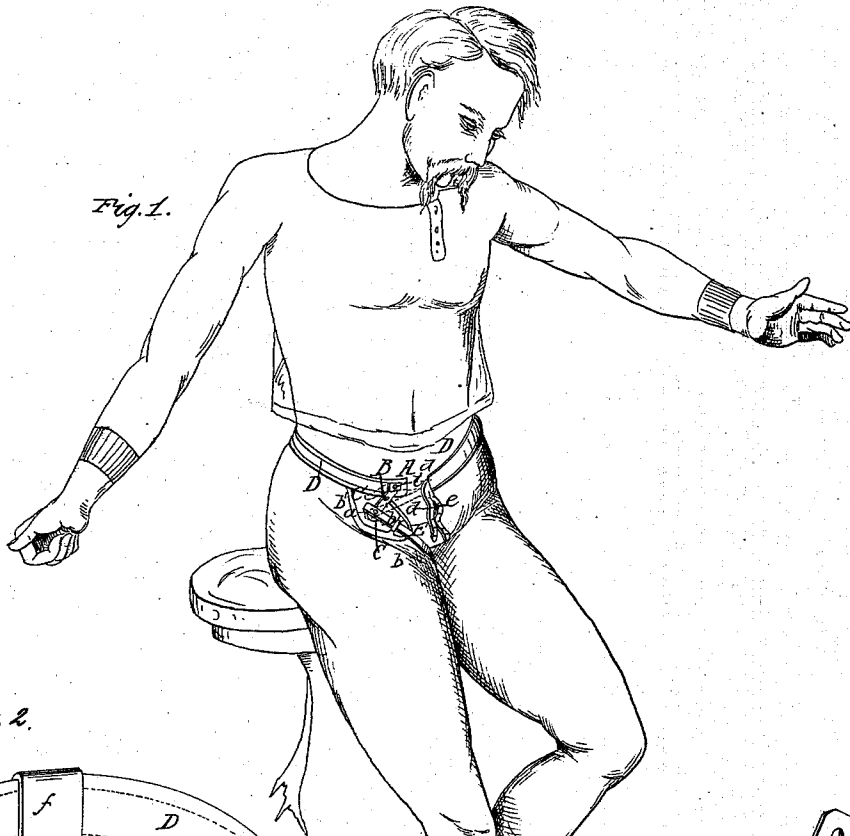


*F. W. Neubert,*

*Truss.*

*No 69,015.*

*Patented Sep. 17, 1867.*



*Witnesses.*  
*Geo. Tusche*  
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# United States Patent Office

FREDERICK W. NEUBERT, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 69,015, dated September 17, 1867.

## IMPROVED TRUSS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, FREDERICK WILLIAM NEUBERT, of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and improved Truss; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a hernia truss which is so arranged that it can be applied for ruptures on either side, or even for double ruptures, and can be adjusted on bodies of different size. The protrusion of any of the contents of the abdomen will be prevented with complete security by the use of this truss, and it will, without causing pain or inconvenience to the patient, make effectual and equal pressure on the neck of the hernial sac, and on the ring or external opening of the hernia. It cannot slip out of its right position in the varying motions and positions of the body.

The invention consists in the use of a pad of novel shape, being like two common pads pivoted in the centre to a link which is attached to the spring, so that it may be turned freely on its pivot, and be raised or lowered to any desired position by means of the link.

The invention also consists in the manner of buttoning the strap to the pad, so that not only the spring, but also the pad, is firmly secured and held in position.

The invention further consists in the manner of constructing and attaching the thigh-strap, so that by its use the pad is also firmly held and prevented from slipping. Provision is made that the thigh-strap can be well secured to the pad while the same is in any position, and the said strap is furthermore made elastic, so as to adapt itself to any size of body. The spring, as well as the thigh-strap, is covered with India rubber in place of leather. The rubber not being destroyed by moisture from perspiration, will always remain soft, and can be easily cleaned. In the annexed drawing my invention is illustrated—

Figure 1 being a perspective view of my improved truss, showing it applied to the body.

Figure 2 is a similar view of the same when detached from the body.

Similar letters of reference indicate like parts.

A represents the spring, which is of common construction. To its outer end is hinged or pivoted a short rod or bar, B, which is connected to the pad C by a pivot, *a*. The pad C is made with two wings, *b* and *b'*, the pivot *a* being in the centre between the wings, either wing being large enough to be applied to a simple rupture. By this arrangement the truss can be used on either side, and the pad can be raised or lowered by means of the link B, and thus the pad can be applied to any hernia, wherever it may be situated. By means of the two wings of the pad this truss may also be applied to double ruptures. The strap D which surrounds the spring A is made of India rubber, as well as the front part of the thigh-strap E, for the purposes aforesaid. To the end of the strap D are secured leather straps *d* and *e*, both of which are provided with a series of button-holes, as shown. The strap *d* is buttoned to the knob *i*, which is the pivot for securing the link B to the spring A, and thus the spring is well held to the body of the patient. The strap *e* is buttoned to the knob *a* on the pad, and thus retains the latter in the position in which it is intended to be held. The latter arrangement is best understood by referring to the red lines marked in fig. 1. The thigh-strap E is attached, by means of a buckle or otherwise, to a loop or ring, *f*, which slides on the strap D, as shown in fig. 2. The upper end, *g*, of the strap E, is made of elastic material, so that the same will always be held tight on the body. Near each end of the pad C is arranged, on its outside, a metal or other loop, *h*, as shown in the drawings. Through that loop, which is the lowest, is passed the front end of the strap E, and the latter is then buttoned to the knob *a*, as shown in fig. 1. By this arrangement, in conjunction with the use of the strap *e*, the pad is always firmly retained in the correct position, while the free motion of the body is not impaired. In the drawing the pad is shown as to be applied to the right side of the wearer. When to be applied to the left side, the position of the spring A is reversed, and the pad turned; so as to cover the desired spot. The loop *f* must be turned on the strap A, so as to also reverse the position of the thigh-strap.

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

1. The pad C, when made in the shape herein shown and described, and for the purposes set forth.

2. The truss-straps D and E, when covered with India-rubber cloth, substantially as described, for the purpose specified.

3. In combination with the truss-strap E, covered with India-rubber cloth, I claim the elastic portion *g*, substantially as described, for the purpose specified.

4. The double straps *d* and *e*, at the end of A, in combination with the knob *a* on pad C, and with the knob *i* on spring A, as set forth.

5. The strap E, in combination with the loops *h h* and knob *a* on the pad C, all made and operating substantially as herein shown and described.

Witnesses:

CHARLES REBEL,  
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F. W. NEUBERT.