

A. M. DYE.
Truss and Supporter.

No. 199,424.

Patented Jan. 22, 1878.

Fig. 1.

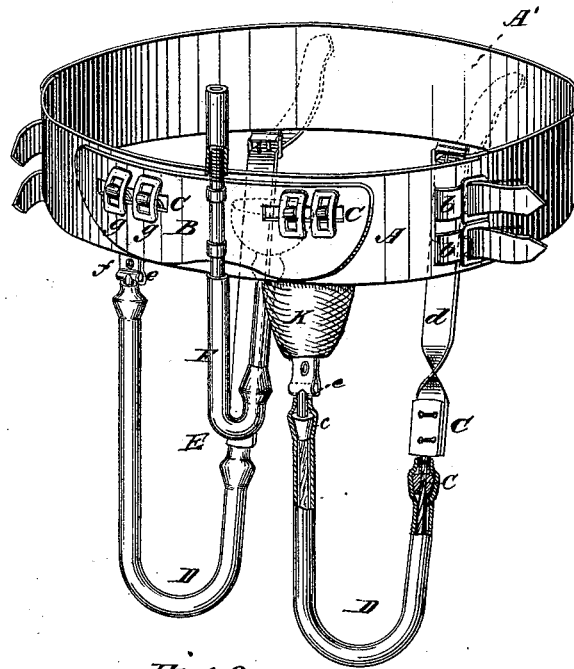
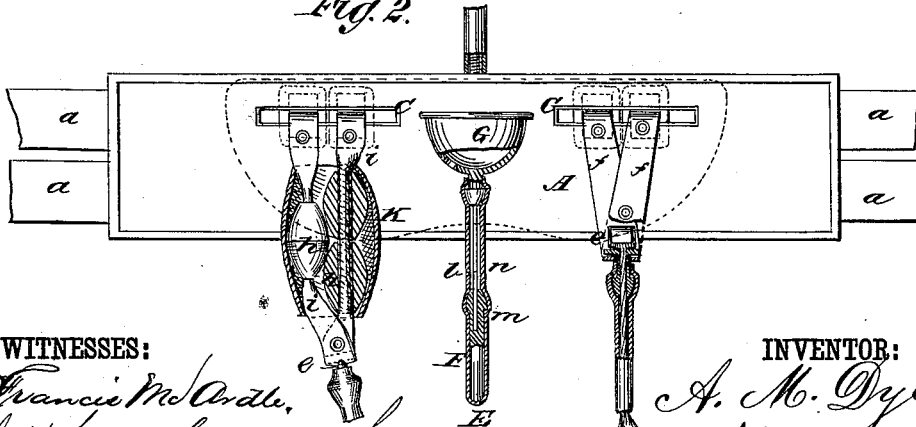


Fig. 2.



WITNESSES:

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ALEXANDER M. DYE, OF ELKHART CITY, ILLINOIS.

IMPROVEMENT IN TRUSSES AND SUPPORTERS.

Specification forming part of Letters Patent No. **199,424**, dated January 22, 1878; application filed October 6, 1877.

To all whom it may concern:

Be it known that I, ALEXANDER M. DYE, of Elkhart City, in the county of Logan and State of Illinois, have invented a new and Improved Uterine Support and Rupture-Truss, of which the following is a specification:

My invention relates to appliances for use in rupture or hernia and displacement of the abdominal viscera, falling of the uterus, &c.; and consists in a novel construction, combination, and arrangement of parts, which have for their object to greatly improve said appliances or instruments, as regards their construction, ease of application, comfort, and efficiency, as will be fully hereinafter set forth.

In the drawings, Figure 1 is a perspective view of the apparatus, and Fig. 2 is a side elevation of the portion of the waistband having my improvement attached.

Similar letters of reference indicate corresponding parts.

A A' is the waistband, composed of any suitable material. It consists of two parts, A and A', held together by means of the straps and buckles *a b*, as shown in Fig. 1.

To the front piece A is secured, by sewing or any suitable means, an abdominal or pubic plate or pad, B. This pad I make preferably of hard rubber; but it may be made of any other suitable material.

C C are slots cut in the pad B at each end, the portion of the belt to which the pad is attached having corresponding slits made in it. D D are femoral straps, which are composed of flexible rubber tubing, having a core or filling of cord or other suitable material.

The cord core of these straps is provided at one end with the hard-rubber plug *e*, to which is secured the elastic buckle-strap *d*, for attaching the strap D to the rear of the waistband. The other extremity of the cord core of the strap D has also attached to it a hard-rubber piece, *e*, to which are secured the straps *f*, provided with flat button-pieces *g*, which may be passed through the slits in the pad B, as shown at Fig. 1, thus securing the strap to the pad B.

The straps D D may be provided with a rupture-pad, K, as shown in Fig. 2, which pad consists, essentially, of three (more or less) soft-rubber prolate spheroids, *h h*, which slide on the leather thongs *i i*, passing through their polar axes, so that they may be readily located over the rupture. These spheroids are contained in a bag, K, composed of any flexible or textile material, preferably chamois-leather, which prevents chafing and abrasion from friction.

E is the uterine supporter or pessary, consisting of the U-shaped stem F, adjustably secured to the front of the pad B, and provided with the supporting-cup G, for supporting the mouth of the uterus, as usual.

The cup is supported by a flexible rod, *l*, the lower extremity of which enters a plug, *m*, in the rigid tube F, as shown, the whole being covered by soft-rubber tube *n*.

Where the straps provided with the rupture-pads are employed they are situated on either side of the spermatic vessels, and will therefore not interfere with the natural circulation.

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

1. The combination, with abdominal pad, slotted and secured on the front of waistband, of straps provided with flat fastening-buttons, as shown and described.

2. The rupture-pad consisting of a number of spheroids sliding freely on cords or straps passing through their axes, and contained within a flexible or textile bag, constructed and operating substantially in the manner described and specified.

3. The flexible connection between the cup G and bent rigid stem F, consisting of the rod *l*, the lower extremity of which enters a plug in the bent stem, the whole being enveloped in rubber tubing, substantially in the manner described and specified.

ALEXANDER M. DYE.

Witnesses:

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