

O.O. Thwing,

Truss.

No. 97,460.

Patented Nov. 30, 1869.

Fig. 1.

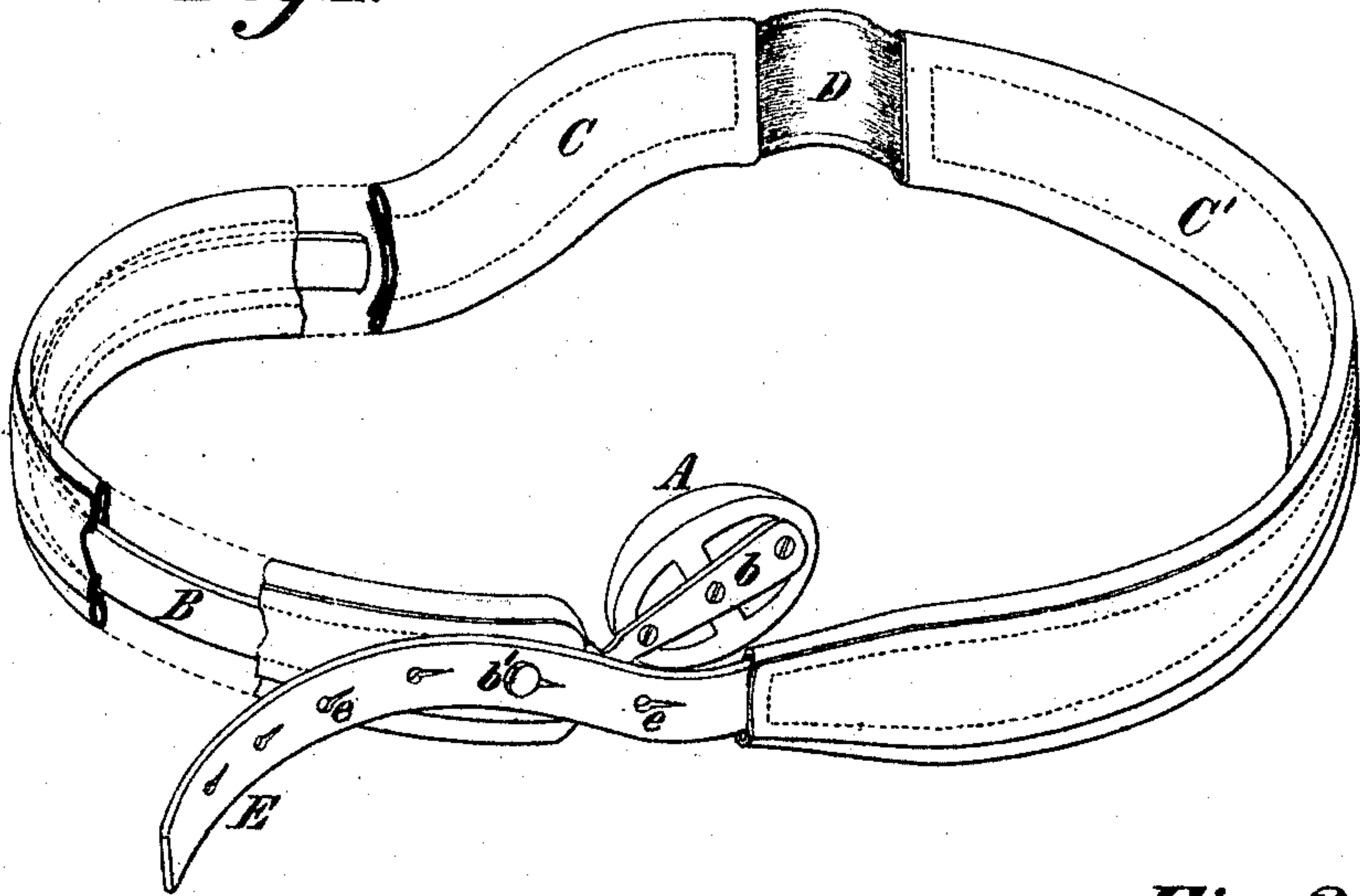


Fig. 3.

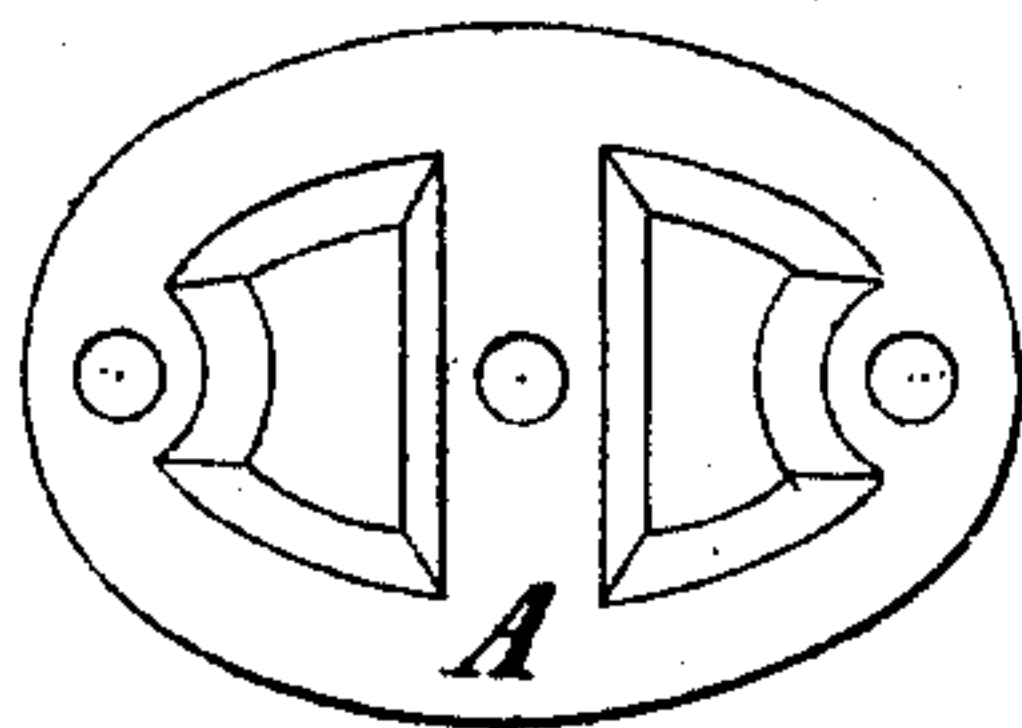


Fig. 2.

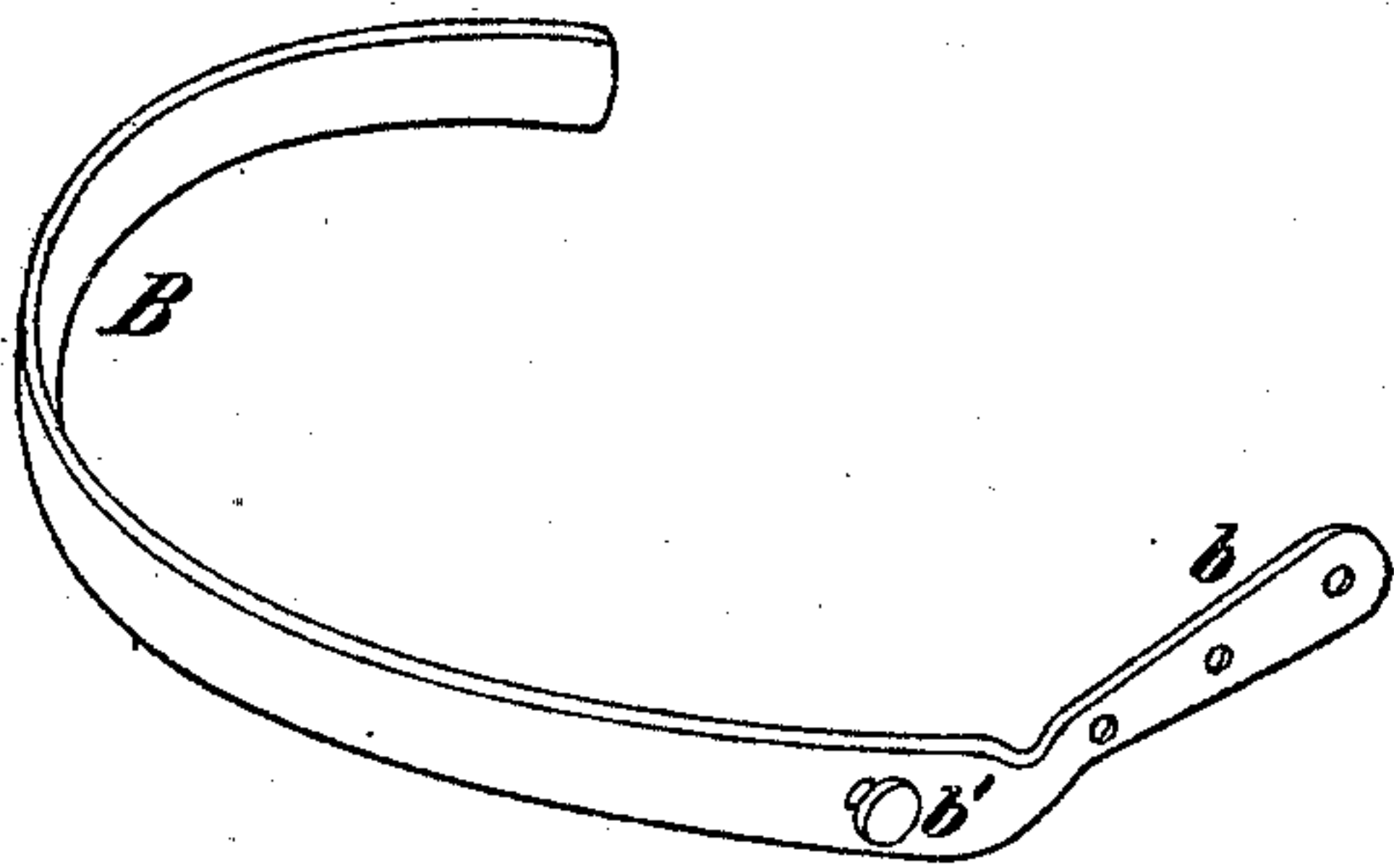
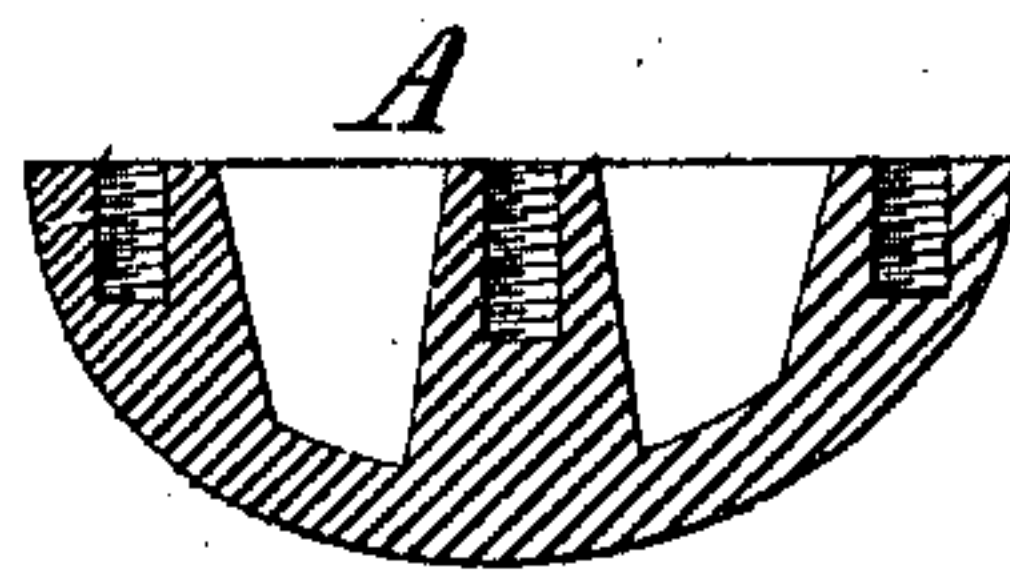


Fig. 4.



Attest.

John J. Chew.

Notary Public.

O. O. Thwing, M.D.

per J. Snodden Bell.

Atty.

United States Patent Office.

ORSON O. THWING, OF MARTINSVILLE, INDIANA.

Letters Patent No. 97,460, dated November 30, 1869.

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, ORSON O. THWING, of Martinsville, in the county of Morgan, and State of Indiana, have invented a new and improved Truss, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which make part of this specification, and in which—

Figure 1 represents a view in perspective of my improved truss;

Figure 2, a similar view of the clasp which embraces the hip-bone, detached; and

Figure 3, a view in elevation of that side of the pressure-pad next the clasp.

Figure 4, a longitudinal central section through the pad.

The object of my invention is to provide a truss, simple in construction, efficient in operation, and comfortable to the wearer; to which end,

My improvement consists in the combination of a metallic non-elastic clasp, encircling the ilium or hip-bone, only to hold the pad securely in place; a pad possessing astringent properties, to press upon the orifice of the hernia; and an elastic band, to secure the truss in place; the whole constructed as hereinafter fully set forth.

The pressure-pad A is composed of some metal which will act as an astringent and irritant upon the skin, such as lead, or a mixture of lead and tin, as I have found such action very beneficial.

The pad is made of a semi-oval form, and hollowed out on its flat side, to diminish its weight, and is secured fast to the inner side of the arm *b*, of the clasp B.

This clasp is made of such length and shape as partially to enclose the hip-bone. Its thickness must be such, that when once set or fitted to the body of the wearer, it will remain so set, without springing or yielding to the movements of the wearer.

The clasp is covered by a belt of leather, or other suitable fabric made in two sections, C C', united at the back by an elastic band or web, D, of any proper well-known material, and fastened in front by a strap, E, in the usual way, by means of a button, *b'*, and a series of holes, *e*.

It will thus be seen, that by my invention, the pad, when once fitted to its place, is firmly held, owing to the rigidity of the clasp, while the elasticity of the belt permits it to accommodate itself to the movements of the wearer.

I am aware that elastic clasps, elastic bands, and astringent pressure-pads are all old, and do not, therefore, claim them broadly *per se*; but I am not aware that a rigid clasp, an elastic band, and an astringent pad have ever been combined in a truss prior to my invention.

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

The combination of the inelastic metal clasp, encircling the ilium only, the astringent pressure-pad, and the elastic band, all these parts being constructed as set forth, for the purposes specified.

O. O. THWING.

Witnesses:

THOMAS DAVIS,
JOHN M. GEYER.