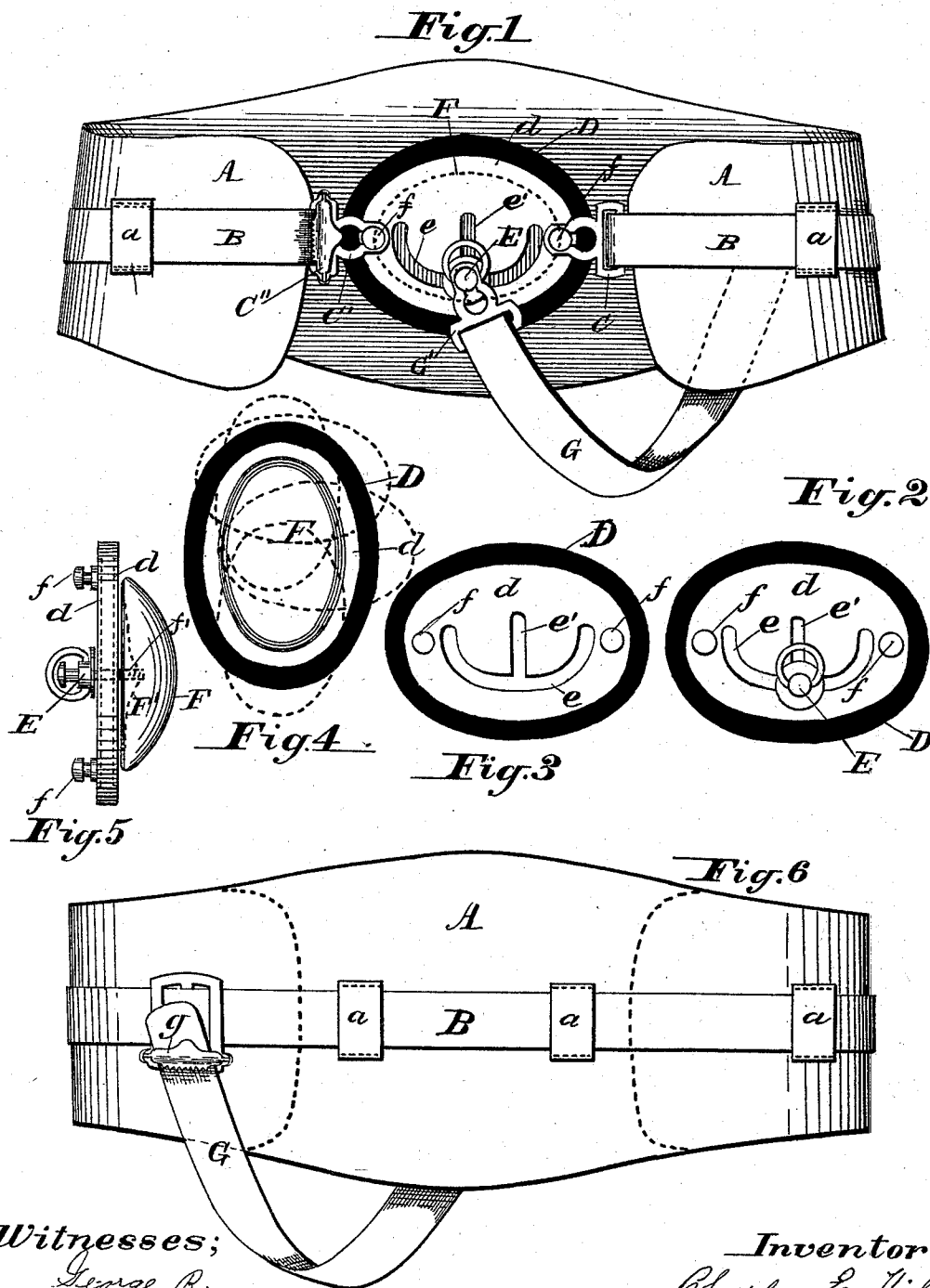


(No Model.)

C. E. HILL.
TRUSS.

No. 540,312.

Patented June 4, 1895.



Witnesses;
George Brown.
Walter L. Knight.

Inventor
Charles E. Hill
per
J. D. Clark
Attorney

UNITED STATES PATENT OFFICE.

CHARLES E. HILL, OF CHICAGO, ILLINOIS.

TRUSS.

SPECIFICATION forming part of Letters Patent No. 540,312, dated June 4, 1895.

Application filed August 2, 1894. Serial No. 519,250. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. HILL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Hernial Trusses, of which the following is a specification.

My invention relates chiefly, in the combination of a body-band and slotted plate, provided with a truss-pad, which is adjustably secured to the plate by means of a thumb-screw passing through said plate into the pad, enabling the person while wearing the truss to adjust the pad in any direction to retain the hernia with perfect security and great convenience; and it also consists in certain peculiarities of the details, construction of the aforesaid band, plate and pad, and devices connected therewith, whereby the adjustment of the pad is greatly facilitated and rendered more perfect. I attain these objects by the devices illustrated in the accompanying drawings, in which—

Figure 1 is a vertical view of the truss as would be seen on the person wearing the same. Fig. 2 is a plan or face view of the plate D. Fig. 3 is a similar view with the thumb-screw E removed. Fig. 4 is a plan of the reverse side of plate D, showing the various positions in which the pad F can be placed, the dotted lines showing said positions. Fig. 5 is a vertical side view of the plate and pad. Fig. 6 is a reverse view of Fig. 1, showing the adjustable buckle of the thigh-band.

Similar letters refer to similar parts throughout the several views.

A, denotes the truss-band, by which the pad is secured to the person and which is formed of material similar to that used in suspenders, or other material of like character. Band A, has a secondary band B of same material running centrally around on outside, and is held in place by loops *a, a*, that are stitched on said band A. Attached to each end of the band B, are metallic clasps C, C', one side of which C' is provided with a buckle C'', for adjusting and fitting the band A to the body of the wearer. The clasps C, C' are attached to studs *f, f* on plate D when the truss is in position for wearing.

D, is a flat hard rubber plate of suitable

thickness but not so thick as to inconvenience the wearer. Secured thereto and fitting into recesses on upper and under surfaces of said plate D are metallic plates *d, d*. Passing through these plates *d, d* and plate D are two slots *e, e'* one segmental slot *e*, arranged longitudinally on the plate D, the other *e'* horizontally across running into each other as shown in Figs. 2 and 3.

E is a thumb screw the upper part of which is fashioned like unto the studs *f, f*. Said screw passes through the slots *e, e'* into an ordinary hard-wood pad F, on whose surface is securely fastened a plate F' which has a screw threaded hole *f'* for the reception of the screw E.

G is a thigh-band one end of which is adjustable by means of the buckle *g*, the upper end of which is movable on the outer band B. The other end of the thigh-band G, has a metallic clasp G' the same description as clasps C, C'. Said clasp G' is attached to stud or thumb-screw E when in position.

The band A in manufacturing is made in sizes to fit the person and needs no adjustment save what can be accomplished by the band B.

The method of operation with my truss is as follows: Having adjusted the band A to the body, I place the pad F, about where the hernia is situated and attach the outer band B, by means of the clasps C, C' to the studs *f, f*, and adjust the tightness about the body by means of the buckle C''. Usually the pad F is in the position shown in Fig. 1 as the dotted lines indicate. If in securing the outer band B, the pad F has slipped from the proper position on the hernia, I then adjust the said pad to its proper position without taking the truss off the wearer by means of the slots *e, e'* and the thumb-screw E. I then attach the thigh-band G, to the upper part of the stud of screw E, by means of the clasp G' and adjust the tightness about the thigh by means of the buckle *g*. The use of this band is similar to others in other trusses to prevent the riding up of the pad after it is in proper position.

It will be noticed that the thumb-screw E has a ring instead of the usual ears. The object of this is that in wearing the truss the ring can be turned down after fastening the

pad F, which leaves it out of the way of the wearer; also the head of said screw forms a place to attach the clasp G' of the band G.

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

In combination with the band A provided with outer band B, clasps C, C', buckle C'', studs *f, f*, plate D, having slots *e, e'*, thumb

screw E, pad F, with thigh-band G provided with clasp G' and buckle *g* substantially as is set forth.

CHARLES E. HILL.

Witnesses:

WALTER L. WRIGHT,
SIDNEY C. HILL.