

(No Model.)

J. A. TIGNER.

COMBINED TRUSS AND ABDOMINAL SUPPORT.

No. 346,244.

Patented July 27, 1886.

Fig. 1

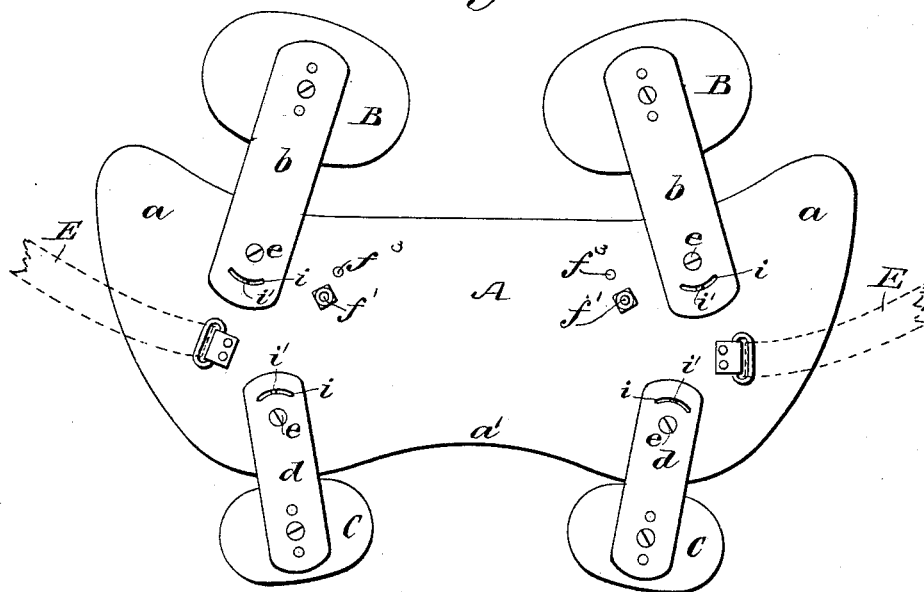
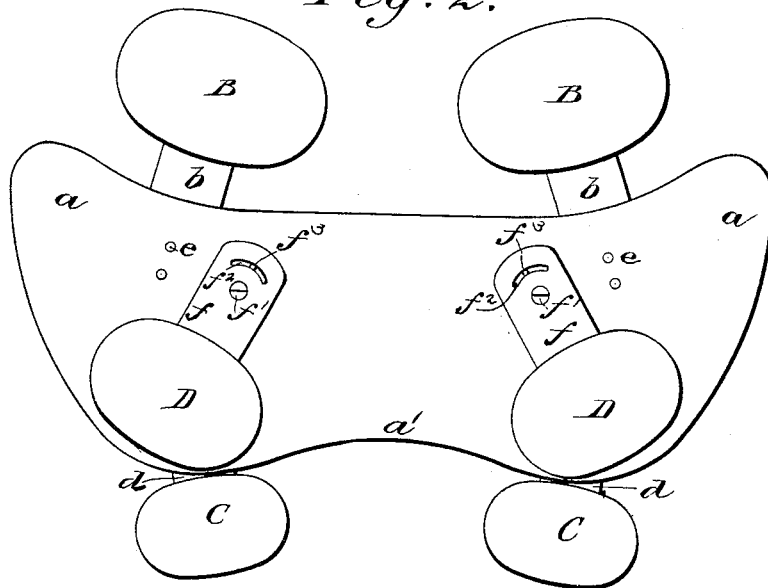


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES A. TIGNER, OF ROME, GEORGIA.

COMBINED TRUSS AND ABDOMINAL SUPPORT.

SPECIFICATION forming part of Letters Patent No. 346,244, dated July 27, 1886.

Application filed April 27, 1886. Serial No. 200,297. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. TIGNER, of Rome, in the county of Floyd and State of Georgia, have invented a new and Improved
5 Combined Abdominal Support and Truss, of which the following is a full, clear, and exact description.

The object of my invention is to provide an abdominal support and truss constructed to
10 be held in position by a single belt passed around the body, thus avoiding the discomfort and liability to displacement incident to strapping the truss to the limbs.

The invention consists of the special construction of the support and truss, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate
20 corresponding parts in both the figures.

Figure 1 is an outside view of my new and improved truss and support, and Fig. 2 is an inside view of the same.

A represents the body of the support or
25 truss, which may be made of hard rubber, celluloid, horn, or an other suitable material, and is curved and slightly concaved to fit the abdomen. At its ends the body A is slightly
30 tended upward, as shown at *a a*, and at its lower edge the body is curved, as shown at *a'*, to avoid chaffing and discomfort to the wearer.

Attached to the body A upon its outer surface, are flat springs *b b*, which reach above
35 the body A, and to the upper ends of which are secured the circular pads or plates B B, which are adapted to press against the abdomen for pitching the lower edge of the body A and the buttons C C (one or both) downward and inward. The buttons C are attached to the lower ends of the downwardly-projecting flat springs *d d*, secured to the
40 body A.

To the inner concaved surface of the body
45 A are secured the buttons D D, which serve to support the truss and keep it from lateral displacement, and to the ends of the body A are secured the parts E E of the single belt

used to secure the truss and support in place. The springs *b d* are connected to the body A each by a single screw, *e*, which serves as a pivot so the springs will turn somewhat and accommodate any side movement of the body A without displacing the buttons B, and by loosening the screws *e* the springs *b d* may be
5 turned to each side for adjusting the pads or buttons B C, and this sidewise movement of the springs is guided and limited by the slots *i*, made in the springs, and the pins *j*, fitted in the body A and projecting into the slots, as shown. The buttons D D are attached to the body by a single screw, *f'*, that furnishes a pivot for the spring *f*, so that the buttons D may be adjusted to any desired position, and the springs *f*, like the springs *b d*, are guided
6 and limited in their pivotal movement by the slots *f''*, and pins *f'''*, fitted in the body A, and project into the slots.

By constructing the truss as described it serves the double purpose of truss and abdominal support, and only a single belt is required for securing it in place, and the belt E passes around the body and not around the limbs, which renders the truss much more comfortable than other trusses and less liable to
7 displacement.

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

1. An improved truss, consisting of a body 8 portion provided with adjustable pads on its inner face, and springs projecting from its upper and lower sides and carrying pads on their ends, substantially as herein described.

2. An improved truss, consisting of a body 8 portion provided with upwardly and downwardly projecting and adjustable springs, pads on the ends of the said springs, adjustable springs secured to the inner face of the body portion, and pads on the springs secured to
9 the inner face of the body portion, substantially as described.

JAMES A. TIGNER.

Witnesses:

DANL. S. PRINTUP,
JOS. J. PRINTUP.