

ELLA M. HOLTON.  
 ABDOMINAL SUPPORTERS.

No. 184,153.

Fig. 1 Patented Nov. 7, 1876.

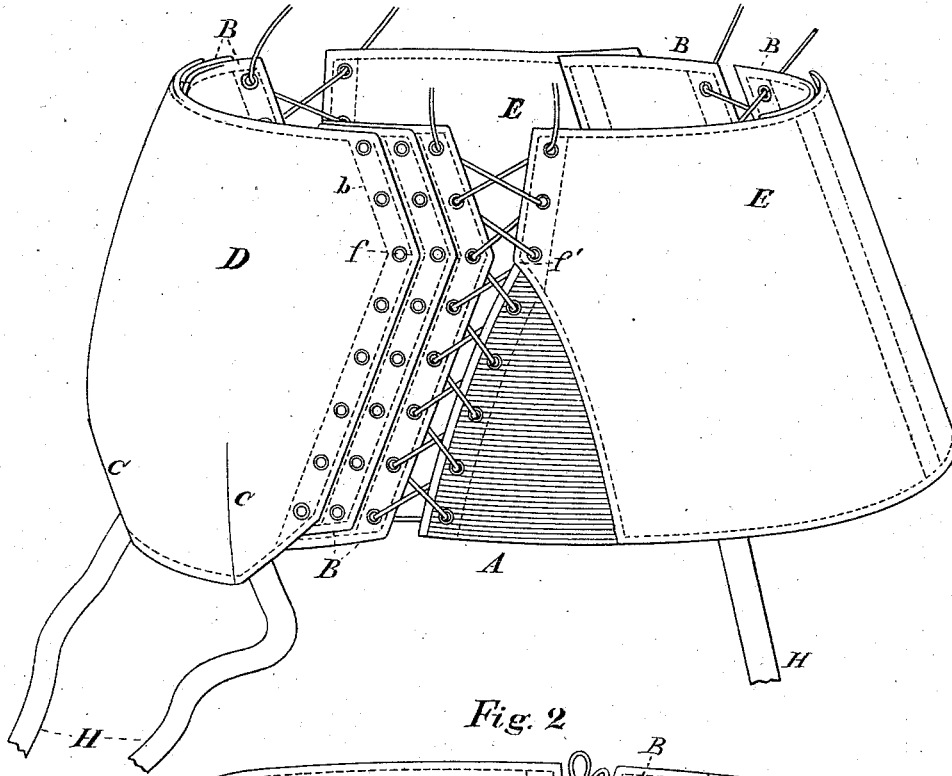
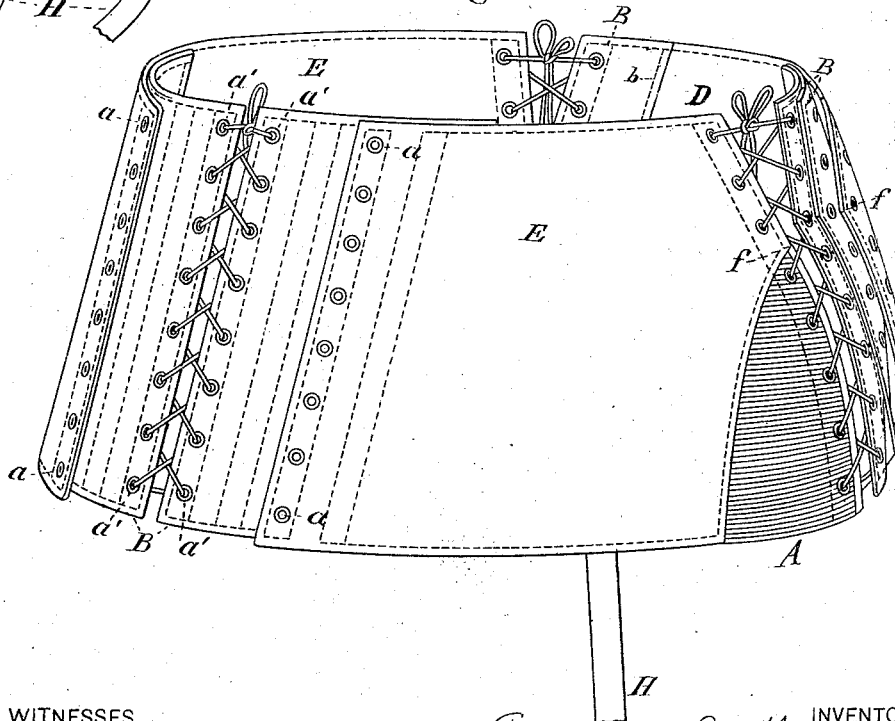


Fig. 2



WITNESSES  
*Villette Anderson.*  
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# UNITED STATES PATENT OFFICE.

ELLA MOODY HOLTON, OF JACKSON, MICHIGAN.

## IMPROVEMENT IN ABDOMINAL SUPPORTERS.

Specification forming part of Letters Patent No. **184,153**, dated November 7, 1876; application filed October 10, 1876.

*To all whom it may concern:*

Be it known that I, ELLA MOODY HOLTON, of Jackson, in the county of Jackson and State of Michigan, have invented certain new and useful Improvements in Abdominal Supporters; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to the class of supporters which are made to adapt themselves to the varying shape and size of the abdomen by means of elastic gores and lacings; and the improvement consists in the employment of extension-pieces, by means of which the size of the supporter can be greatly varied, as well as the novel arrangement of the parts.

Figure 1 is a front and side view of my supporter, and Fig. 2 a view of the back and side.

It is made in three pieces, the front piece D, and two back pieces, E E. These are joined together by lacings at the middle of the back and at the sides. The front piece D is made of one piece, and fitted to the figure, so as to support the base of the abdomen by means of the darts C, located one on each side. These gather in the bottom, and give the proper roundness and fullness. It is provided on both sides with extension-pieces B B. These are strips of cloth with rows of eyelet-holes sewed to the front piece D, just back of the row of eyelet-holes in edge of same. One or more of these extension-pieces may be used, each strip being made wide enough so that its row of eyelet-holes will project beyond the overlying row, and each extension-piece may be sewed either to the one immediately above it, or they may be made of such a width that one seam, *b*, will fasten all of them.

The sides of D are cut sloping inward from the points *ff*, near the top, to the bottom, and also sloping inward from the same points to the top. This makes the front piece wider at the top than at the bottom, with the upper corners cut off. The extension-pieces are cut to conform to the shape of the edges. The back pieces E E are made with similar exten-

sion-pieces, but they are only attached to the edge of each piece which comes at the back. Extension-pieces may be attached to the side edges of the same; but I prefer to place them at the back only, and I make them much wider than the extension-pieces attached to the front piece D. In this case, I can lace the row of eyelet-holes *a a* on one side with either *a a* or *a' a'* on the other side, or *a' a'* with *a' a'*, and thus adjust the supporter to any size that will be required.

The sides of the back pieces E E are made with the same sloping edges as those of the front piece, sloping from the point *f'* inward toward the top and bottom.

Elastic gorings A A are inserted at the sides, fitting the triangular space below the points *ff'* and attached to the back pieces E E. The eyelet-holes at the sides of E, below *f'*, are worked in the edge of the elastic goring. By this arrangement of the eyelet-holes, the upper ones on one side receding, the front piece D can be easily adjusted to the contour of the abdomen.

The upper lacings may be left long and the lower ones short, or vice versa, as desired, and the strings may be knotted in the middle and laced from the points *f' f'* up and down, holding the front piece firmly in any position.

The supporter is held down in position and prevented from working up, if it tends to do so, by the under thigh-straps H H, or other devices for accomplishing the same end may be used.

I claim as my invention—

1. The extension-pieces B, combined with an abdominal supporter, in the manner and for the purpose set forth.
2. The side lacings, constructed with the angular sides, substantially as described, and for the purpose set forth.
3. The combination of the front piece D, back pieces E, adjustable side lacings, elastic gorings A, and extension-pieces B, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ELLA MOODY HOLTON.

Witnesses:

A. J. GOULD,  
N. P. COOK.