J. Y. Wilson.

Truss.

No. 3,103. Patented May 26, 1843.

Fig. 1.

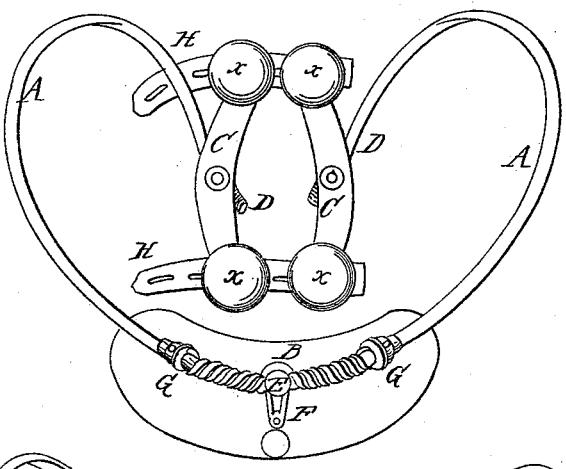


Fig. 2.

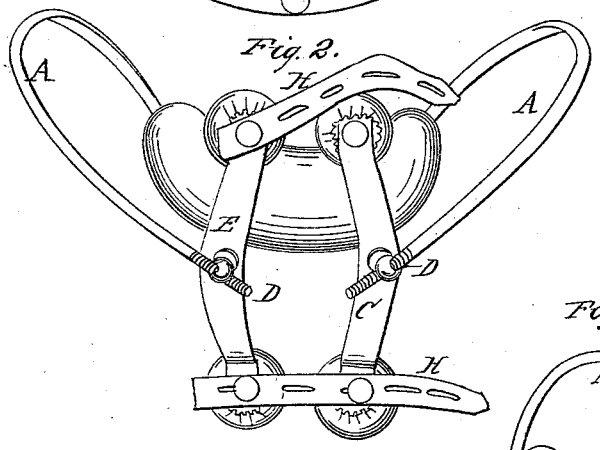
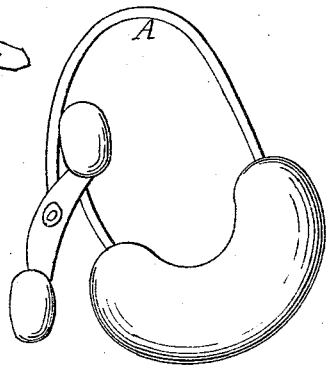


Fig. 3



UNITED STATES PATENT OFFICE.

JNO. V. WILSON, OF NEW HAVEN, CONNECTICUT.

TRUSS.

Specification of Letters Patent No. 3,103, dated May 26, 1843.

To all whom it may concern:

Be it known that I, JOHN V. WILSON, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Machine or Instrument which I call "Wilson's Spiral-Spring Abdominal Supporter and Truss."

The nature and object of my invention consists, in an elastic frame, surrounding the body of the patient, the ends terminating in two semi-elliptic double padded spring supporters resting on the back, in combination with a spiral spring support in front, thereby transferring the pressure in front to the supporters on the back.

To enable others skilled in the art to make and use my invention, I proceed to describe its construction and operation, referring for illustration to the drawings accompanying this specification as part thereof, being perspective views, Figure 1, representing the front view; Fig. 2, the back view, and Fig. 3, a side view.

In Figs. 1 and 2, A, A, represents the frame, being a brass, German-silver or other metallic wire about one eighth of an inch in diameter or about the size of number 9. This frame is connected in the middle, by a loop, with the front pad at B, and so formed or bent as to rise from the front pad above the hips as seen in Fig. 3, A and then descending to the hollow of the back of the patient, each end unites with the double padded, half elliptic springs seen at C, C Fig. 1. These springs are flexible, about 6 inches in length and $\frac{3}{4}$ broad, armed with a pad at each end as seen at *x x* Fig. 1 one to rest on the body above and the other below, the hollow of the back on each side of the spine. These back springs being eliptical bow a little upward, and being armed with a socket in the center are thereby attached to the ends of the frame by connecting screws as seen at D, D. By means of these screws the frame may be lessened or enlarged to suit the body, and is held in place by means of the straps H, H. The front supporter is a plate of metal padded. It may be larger or smaller as the object may require, and is connected with the front of the frame by a loop and with a spiral spring on the frame as seen F. 1, E. The center of the spiral spring embraces a stud in the plate of the pad as seen at F, Fig. 1 and the ends of the spring are made fast to the frame by sockets with stud screws as seen at G, G in Fig. 1 and the pressure of the pad is thereby regulated.

This instrument is adapted to relieve and support, in the easiest manner, abdominal pressure of every kind, and is peculiarly applicable to women afflicted with prolapsus uteri, or other causes requiring support, and also in all cases of rupture. It is easily applied, and sure to keep its place, by the spring pressure of the frame; avoiding pressure on the spine and on the small of the back, and unpleasant chafing of the hips and it is believed to be in its operation much superior to any thing of the kind heretofore invented for the purposes aforesaid.

I claim as my invention—

An improved abdominal supporter and truss, consisting of an elastic frame to surround the body of the patient; the ends of the frame terminating in two double padded spring supporters resting on the back, in combination with a spiral spring-padded support in front, all calculated to transfer the pressure in front to the supporters on the back, in the manner and by the means above specified.

JOHN V. WILSON.

Witnesses:

SIMEON BALDWIN,

ROGER S. BALDWIN.