

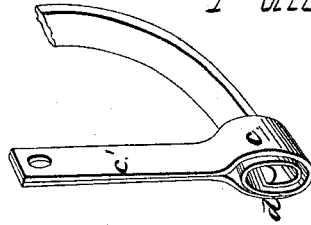
*E. K. Gale,*

*Truss,*

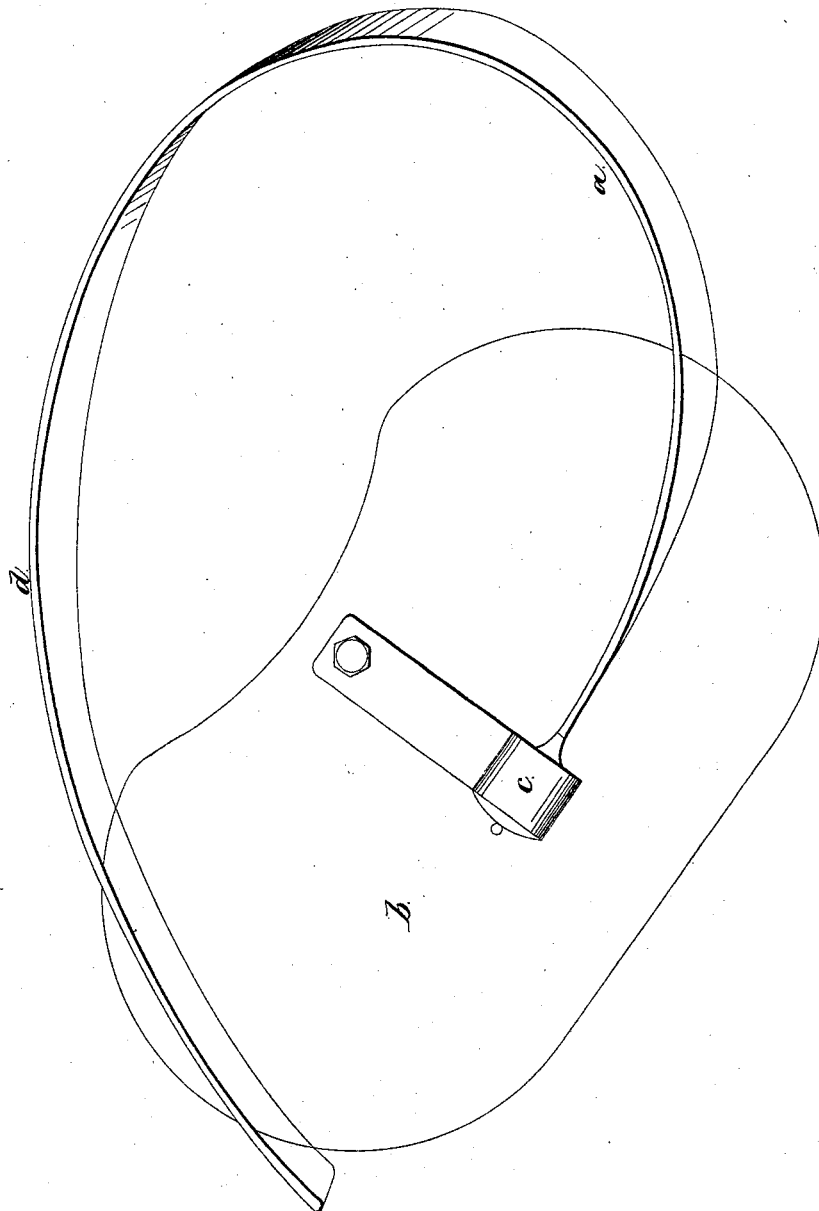
*N<sup>o</sup> 4,425,*

*Patented Mar. 14, 1846*

*Fig. 2.*



*Fig. 1.*



# UNITED STATES PATENT OFFICE.

EDWIN K. GALE, OF NEW YORK, N. Y.

## ABDOMINAL SUPPORTER.

Specification of Letters Patent No. 4,425, dated March 14, 1846.

*To all whom it may concern:*

Be it known that I, EDWIN K. GALE, of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Abdominal Supporters, and that the following is a full, clear, and exact description of the principle or character thereof which distinguishes it from all other things before known and of the manner of making, constructing, and using the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the supporter, and Fig. 2, a view of the pad spring detached.

The same letters indicate like parts in both figures.

The supporters heretofore used have been made to press equally on the abdomen in all their parts, (or nearly so) and generally at right angles to the spine, thus crowding the viscera somewhat downward as well as upward from the point of pressure; thereby in some instances aggravating the disease they are intended to remedy, or only having a neutral effect without tending to effect a cure.

The nature of my invention consists in applying a supplemental spring to the lower edge of the pad to cause the principal pressure, to be made at that point thus raising up all the viscera by an upward and inward force caused by the compound action of the body spring with the pad spring combined in a simple, permanent and efficient manner.

Its construction is as follows: The body spring (*a*) and pad (*b*) are of the usual and most approved form and construction; to the end of the body spring (*a*) that comes to the center of the body in front, a volute spring (*c*) is attached from which an arm (*c'*) projects downward long enough to reach nearly to the bottom of the pad where it is attached by a swivel joint; a branch from this arm comes up and laps over the spring, as clearly shown at (*d*) which prevents its catching in the dress of the person wearing the supporter; the arm (*c'*) presses inward at its lower end with a sufficient force for the purpose intended and effectually relieves the patient from the downward pressure so inconvenient in prolapsus uteri.

Having thus fully described my improvement I wish it to be understood that I do not claim the combination of a pad spring with the body spring, this having been done in several trusses; but

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

Combining the body spring and pad spring constructed as above described with the pad, substantially as herein described, so as to cause the pad at its lower edge to press inward and upward while at the same time a freedom is given to it, to adapt itself to all the motions of the body.

E. K. GALE.

Witnesses:

J. J. GREENOUGH,  
A. P. BROWNE.