

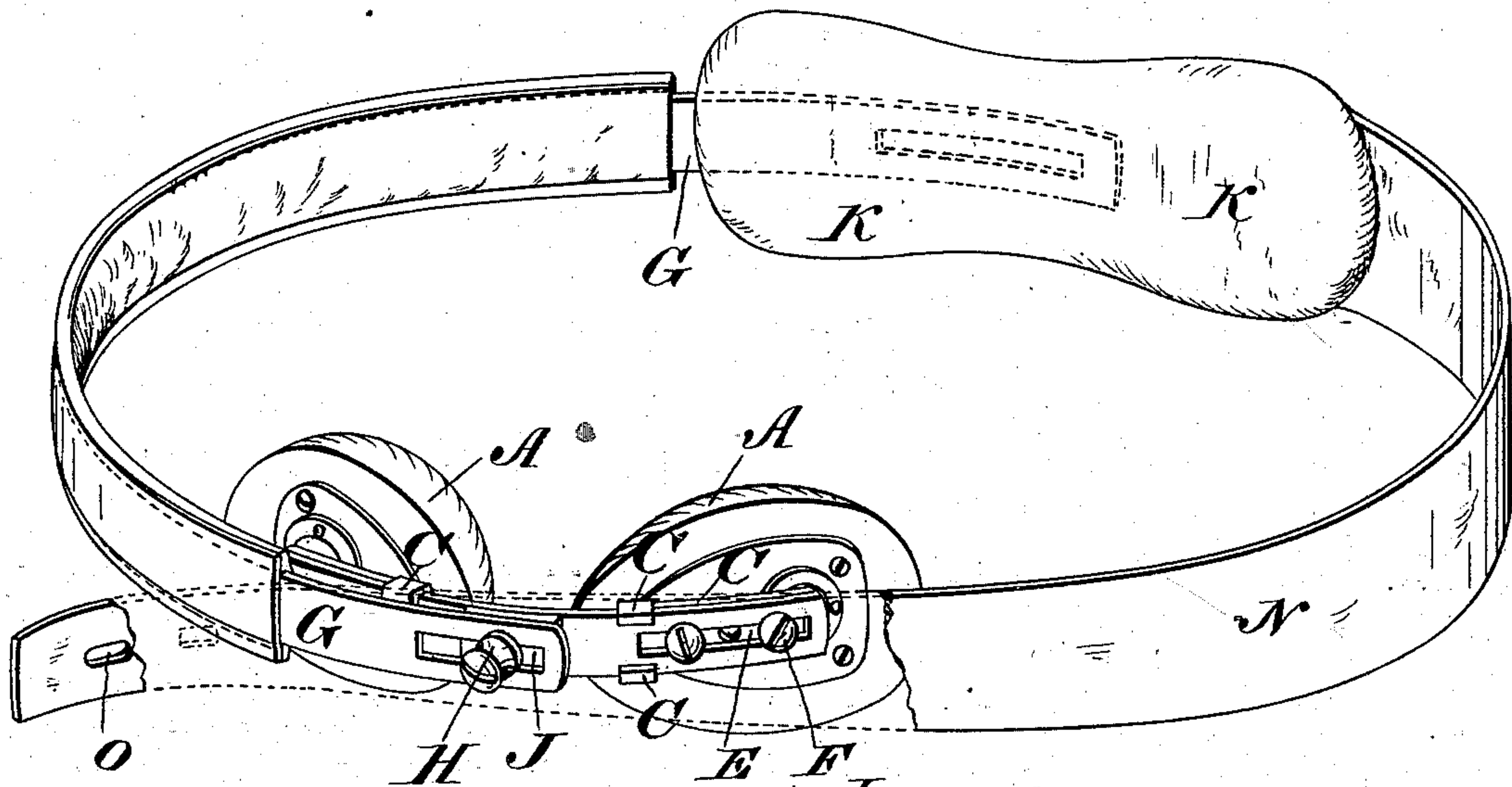
(Model.)

H. E. GARST.  
Truss.

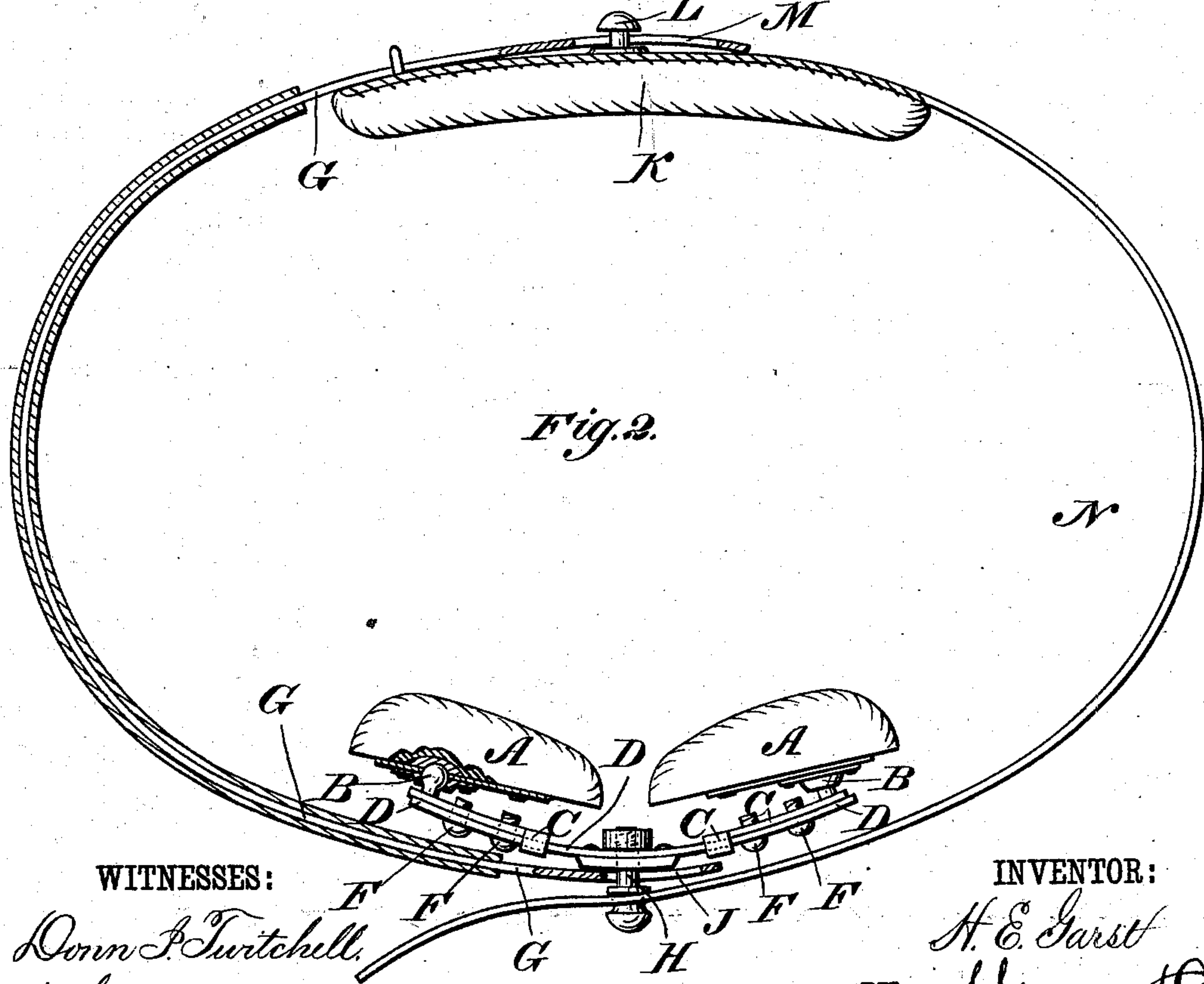
No. 239,482.

Patented March 29, 1881.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

Donn P. Twitchell.  
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# UNITED STATES PATENT OFFICE.

HENRY E. GARST, OF CINCINNATI, OHIO.

## TRUSS.

SPECIFICATION forming part of Letters Patent No. 239,482, dated March 29, 1881.

Application filed July 30, 1880. (Model.)

*To all whom it may concern:*

Be it known that I, HENRY E. GARST, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and Improved Truss, of which the following is a specification.

The object of my invention is to provide a new and improved truss, which is simple in construction, durable and convenient, and effective in use.

The invention consists in a truss provided with two pads adjustably attached to a spring-bar, which is pivoted to one end of the truss-spring by a pin passing through a slot in the said end of the truss-spring, whereas the other end of the spring is attached in a like manner to the truss-cushion, to which the belt is fastened.

In the accompanying drawings, Figure 1 is a perspective view of my improved truss. Fig. 2 is a plan view of the same.

Similar letters of reference indicate corresponding parts.

The pads A A, which may be of any suitable well-known construction, are provided with ball-and-socket joints B, the plates C of which slide on a spring-plate, D, which has a longitudinal slot, E, at each end, through which slots screws F F pass into the joint-plate C, thus holding the pads A A in any desired position in relation to the ends of the plate D. The spring-plate D is pivoted to the end of the truss-spring G by means of a pin, H, which passes through a slot, J, in the end of said truss-spring, and has a button on the outer end. The other end of the truss-spring G is attached to the cushion K by means of a screw, L, passing through a slot, M, in the end of the spring and in the back or frame of the cushion. A belt, N, provided with a number of apertures, O O, is attached to the outer end of the cushion K. The truss-spring is covered with kid

leather or some other soft material in the ordinary manner.

The pads A A can easily be adjusted in any desired position nearer the ends or center of the spring-plate D, which can be adjusted on the truss-spring G.

The spring G and cushion K are adjusted according to the size of the person by means of the screw L, and the belt can be locked by passing the button on the outer end of the pin H through one of the apertures O, according to the size of the person.

The cross-bar D conveys the pressure from each pad toward the center of the spring-plate D, which is on the center of the abdomen, instead of producing a pressure on the hips.

As the pressure of the spring G acts equally upon both pads A, there will be no undue pressure of either pad. As the truss-spring G has a slot at each end, the spring can be moved back and forward around the body, or can be moved up and down on the sides, turning on the pins H and L as pivots, without displacing either of the pads in the least, and will thus permit the person wearing the truss to stoop or sit down. Only one spring G is required, and that never hinders the person either while walking, standing, sitting, or lying down.

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

The combination, with two pads, A A, and slide-plates C C, connected by ball-and-socket joints, of the slotted spring-plate E D, pivoted to and near the end of a truss-spring, G, attached to cushion K, as and for the purpose specified.

HENRY ELIAS GARST.

Witnesses:

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JOHN C. IRWIN.