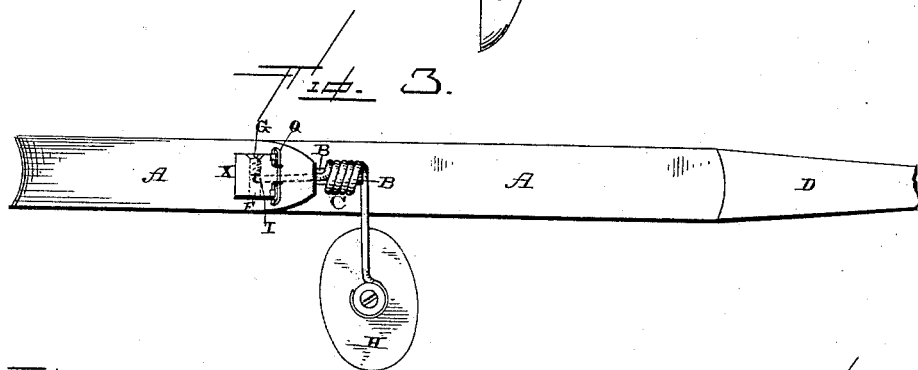
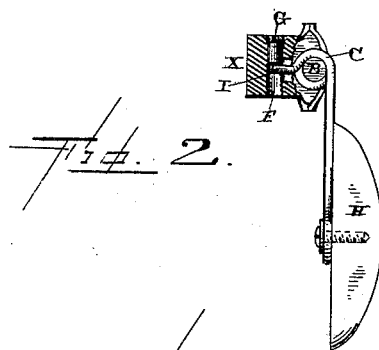
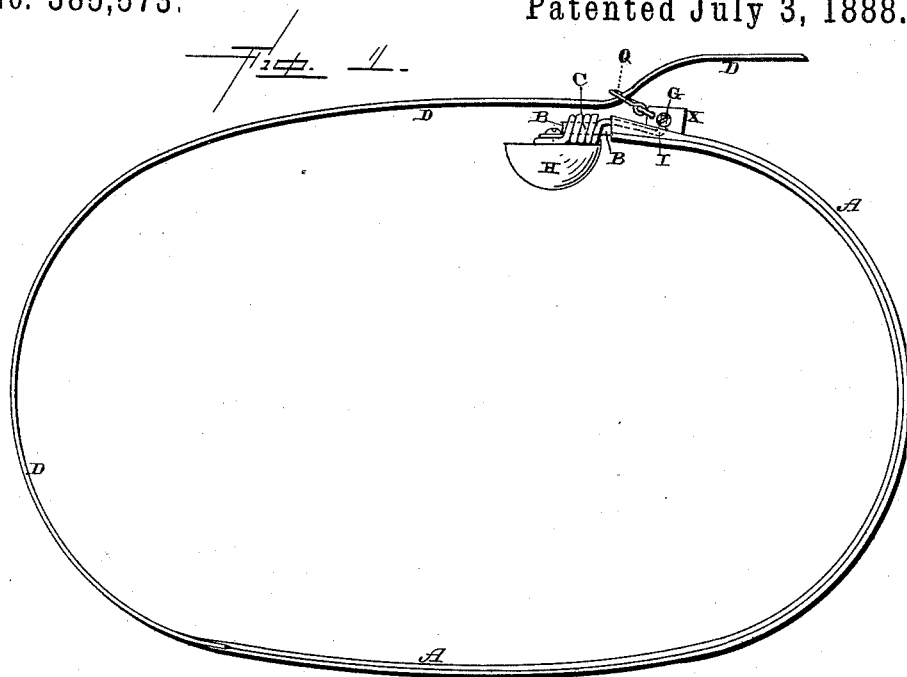


(No Model.)

O. M. ROBINSON.
TRUSS.

No. 385,573.

Patented July 3, 1888.



Witnesses.

A. J. Gardner,
L. L. Purket.

Inventor.

O. M. Robinson.

per

J. A. Lehmann,
att'y

UNITED STATES PATENT OFFICE.

ORVILLE MEARS ROBINSON, OF BATH, NEW YORK.

TRUSS.

SPECIFICATION forming part of Letters Patent No. 385,573, dated July 3, 1888.

Application filed April 16, 1888. Serial No. 270,847. (No model.)

To all whom it may concern:

Be it known that I, ORVILLE MEARS ROBINSON, of Bath, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Trusses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in trusses; and it consists in the combination of a metallic spring which is bent so as to pass partially around the body, and which has its end formed so as to receive the central portion of the coiled spring upon it, the spring which has the button applied to one of its ends, and its other end passed into a perforated projection, and a set-screw in the projection which regulates the tension of the spring, all of which will be more fully described hereinafter.

The object of my invention is to produce a truss which is light, cheap, and readily applied to the body, and in which the tension of the spring can be regulated at will, and thus the same truss adapted to be applied to different persons.

Figure 1 is a plan view of a truss which embodies my invention. Fig. 2 is a vertical view taken through the projection. Fig. 3 is a front view.

A represents a metallic spring body-band, which is made of brass or other suitable material, and which has its end B reduced in size, so as to allow the central coiled portion of the spring C to be placed upon it. This spring body-band A is incased in a covering of leather or other suitable material, which has the strap D secured to one end, for the purpose of fastening the truss around the body. Formed upon the outer side of the spring body-band, at a suitable distance from the end B, is a projection or enlargement, X, which has an opening, F, made through it, and which opening is screw-threaded at one end, so as to receive the set-screw G. Made through this enlargement, at right angles to

the opening F, is a smaller opening through which the end I of the coiled spring C is passed. This end I projects along the spring body-band A, from the central or coiled portion of the body of the spring through the opening in the side, and that part of the end which extends into the opening F is bent at right angles, so as to receive the pressure of the set-screw G. The end being bent at right angles inside of the opening F, as shown, the spring is held in position upon the end B of the spring body-band A, so that it cannot become detached. The bent end of the spring C serves, by the pressure of the set-screw G, to regulate the tension of the spring and to hold the coiled spring C in position upon the end B. The opposite end of the coiled spring C has the button, pad, or other device, H, secured to it. The coiled portion of the spring being placed upon the end B of the spring body-band A, it is free to turn thereon, as upon a pivot, and hence when the set-screw G is forced inward against the bent end of the coiled spring C said spring is made to partially revolve upon the end B, so as to move the button or pad against the body with greater pressure. If the screw G is turned backward out of the opening F, then the bent end of the coiled spring C will allow said spring C to turn backward upon the end B and decrease the pressure of the pad or button against the body.

In proportion as the set-screw G is forced down into the opening F the pad or button is forced against the body, and as the screw is moved backward the pressure is decreased, thus enabling each person to regulate the pressure of the pad or button at will after the truss has been applied, and that without the necessity of having to remove it. By this construction the same pad is adapted to be used by any number of persons. The movable parts consisting only of the coiled spring C and the set-screw, it will readily be seen that the parts are not liable to get out of order. The buckle Q is pivoted in or upon the projection, as shown; but it may be attached to any other part of the truss.

Having thus described my invention, I claim—

The combination of the spring body-band A, having its end formed to receive the spring C upon it, and provided with the perforated projection, with the set-screw and the coiled
5 spring C, having the pad or button secured to one end, and having its inner bent end extend into the recess in the projection, substantially as shown.

In testimony whereof I affix my signature in presence of two witnesses.

ORVILLE MEARS ROBINSON.

Witnesses:

JOHN W. CASTLE,
EGBERT CASTLE.