

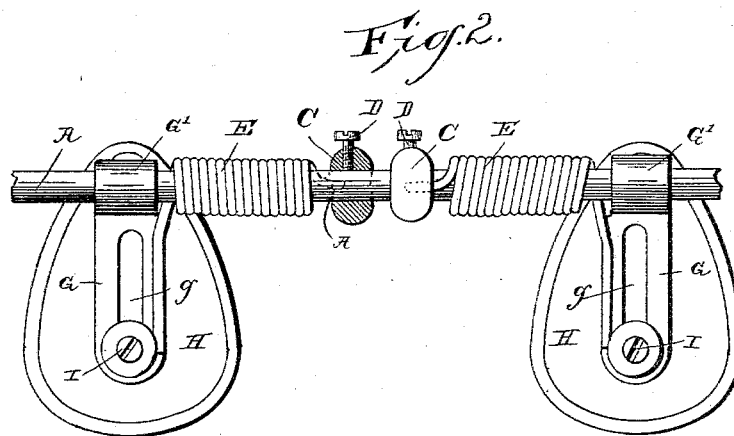
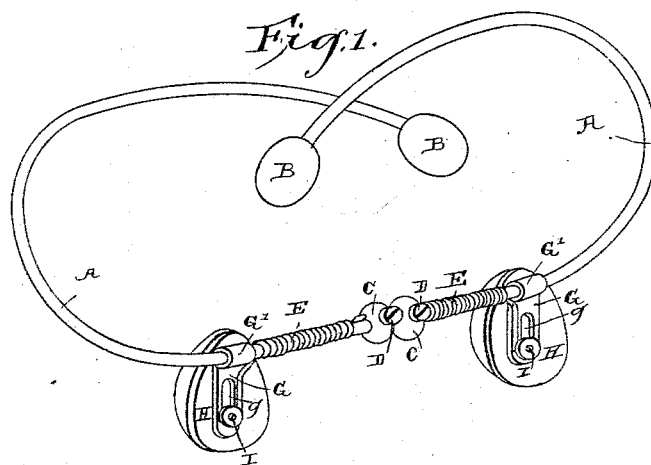
(No Model.)

H. C. STICKNEY.

TRUSS.

No. 381,727.

Patented Apr. 24, 1888.



Witnesses.

*Henry S. Dättrich.*  
*John H. Siggers.*

Inventor.

*H. C. Stickney.*

By *Lie* Attorneys.

*C. Snowden*

# UNITED STATES PATENT OFFICE.

HENRY C. STICKNEY, OF PORTLAND, OREGON.

## TRUSS.

SPECIFICATION forming part of Letters Patent No. 381,727, dated April 24, 1888.

Application filed August 5, 1887. Serial No. 246,242. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY C. STICKNEY, M. D., a citizen of Canada, residing at Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Improvement in Trusses, of which the following is a specification.

My invention relates to improvements in trusses for use in cases of hernia or rupture; and it consists in a certain novel construction and arrangement of parts for service, whereby a steady strong pressure is maintained on the diseased part, which pressure is mainly backward and upward, thus tending to lift the rupture and prevent all uneasiness to the patient.

A truss embodying my improvements is shown in the accompanying drawings, in which—

Figure 1 is a perspective view. Fig. 2 is a detail view to show the peculiar construction and arrangement of the springs and pads.

Referring to the drawings by letter, A designates the ordinary spring-band, in this case preferably of wire, (shown uncovered in the drawings,) and to the rear free ends of the said wire band are attached the rear pads, B B.

C C are collars fitted on the said band at the front of the truss, having the set-screws D D therein, to enable the said collars to be adjusted at any part of the band, and in the said collars are secured the ends of the spiral springs E E, which operate on the said band.

G G are slotted arms, having the sleeves G' G' at the upper ends to fit around the wire band, and the free ends of the said spiral springs are secured to the said arms G G, respectively.

H H are pads of any preferred shape, and in the rear side thereof are secured the set-screws I I, which pass through the slots g g in the said arms G G; and it will be seen that by means of the said set screws the pads may be turned at any angle and clamped in that position, and also that they are capable of vertical adjustment in the slots g.

The object of the spiral spring will be readily understood. The collars are adjusted so that when the truss is put on the pads must be turned around the wire band against the ac-

tion of the springs, and therefore the said pads will press rearwardly and upwardly against the body with a force equal to the force or strength of the said spiral springs. It is obvious that the said force or strength may be altered to suit the exigencies of the case by turning the said collars farther around the wire band, thus making it necessary for the pads to be turned farther against the strength thereof to bring them in the proper position to press against the body. Also, it will be readily seen that the pads are capable of lateral adjustment, as the collars may be moved to either side, the curve of the band not interfering with the action or adjustment thereof, as the spiral springs will accommodate themselves to the said curve. Therefore the pads, constructed as herein described, are capable of lateral, vertical, and rotary adjustment, thus enabling them to be suited to any peculiarity of the form of the person or location of the ruptured part. It will be seen, also, that the adjustment in each case is very simple and easily accomplished.

The upward and backward pressure of the pads obtained by the construction herein shown is far superior to a directly inward or rearward pressure, as the rupture is not only retained, but is lifted, thus easing the injured part and rendering the patient comfortable.

Having thus described the construction, operation, and advantages of my invention, I claim—

The improved truss herein described and shown, comprising the spring-band A, having the pads B B on its ends, the arms G G, having the integral collars G' mounted on the band A and free to turn thereon, the collars C C, secured upon the band A by the set-screws D D, and the springs E E, coiled around the band and having their opposite ends secured, respectively, to the collars C and the arms G, substantially as specified.

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

HENRY C. STICKNEY.

Witnesses:

U. S. GRANT MARQUAM,  
J. D. HAWES.