

(No Model.)

G. A. GREENE.
TRUSS.

No. 422,768.

Patented Mar. 4, 1890.

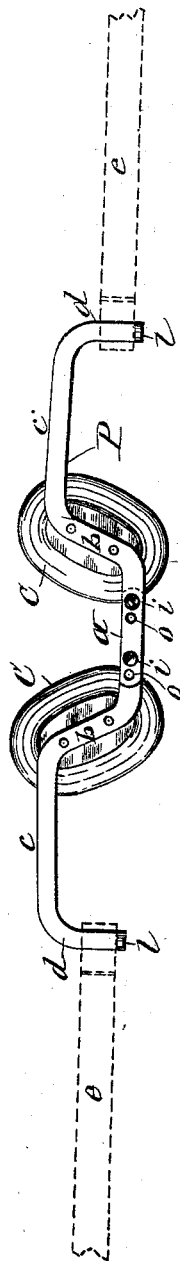


Fig. 1

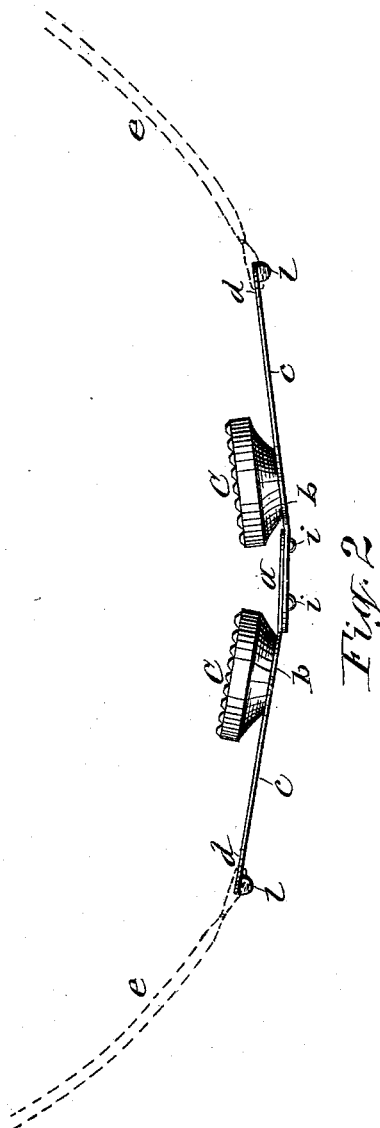


Fig. 2

WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE A. GREENE, OF CAZENOVIA, NEW YORK.

TRUSS.

SPECIFICATION forming part of Letters Patent No. 422,768, dated March 4, 1890.

Application filed October 30, 1889. Serial No. 328,682. (No specimens.)

To all whom it may concern:

Be it known that I, GEORGE A. GREENE, of Cazenovia, in the county of Madison, in the State of New York, have invented new and
5 useful Improvements in Hernial Trusses, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention consists in a novel construction of a hernial truss having the pad-supporting plate formed with crank-arms extending downward therefrom to points below the central line of the pad-bearings, and the attaching-straps connected to said crank-arms,
15 and thereby causing the main pressure to be transmitted to the lower portions of the pads, and thus rendering the truss safer and more effective in its operation.

In the annexed drawings, Figure 1 is a rear edge view of a truss embodying my invention, and Fig. 2 is a top edge view of the same.

Similar letters of reference indicate corresponding parts.

25 P represents the pad-supporting plate, and C C the pads, which latter may be of any suitable shape and material.

The plate P is formed of steel straps, which are placed with one of their respective end portions flatwise and parallel, one upon the other, and are connected together adjustably longitudinally by screws *i i* passing through two of a series of holes *o o* at various points in the lengths of the said overlapping portions.
35 These portions of the steel straps are straight and constitute the central portion *a* of the pad-supporting plate P, and when the truss is properly applied to a person said central portion is in a horizontal position. From the
40 central portion *a* extend abruptly upward and obliquely toward opposite ends of the truss the two side portions or pad-carrying portions *b b*, formed by bends of the afore-said steel straps, said portions of the plate P
45 being on downwardly-convergent lines, which

when extended to their intersection form an acute angle. At the upper ends of the said side portions the said steel straps are bent again in opposite directions from each other to form approximately horizontal arms *c c*, 50 at the ends of which the said steel straps are bent abruptly downward to form the crank-arms *d d* on the pad-supporting plate thus formed. Said crank-arms may be terminated with lateral offsets *l l* or provided with other
55 suitable means for retaining on the free ends of the crank-arms the elastic attaching-straps *e e*, by which the truss is secured to the person. The pads C C are oval or elongated, and lie lengthwise on the downwardly-con
60 vergent portions *b b* and are rigidly secured thereto at two points in the length of each pad.

When the truss is properly applied to a person, the draft of the straps *e e* on the
65 crank-arms *d d* will cause the main pressure to be transmitted to the lower portions of the pads C C and thus cause the same to more effectually restrain the hernia.

Having described my invention, what I 70 claim as new, and desire to secure by Letters Patent, is--

The improved hernial truss consisting of the plate P, formed with the horizontal central portion *a*, the pad-carrying portions *b b*, 75 converging downward at an acute angle, the arms *c c*, extending horizontally from the upper ends of the portions *b b* and terminating with abruptly downwardly-cranked ends *d d*, the attaching-straps *e e*, secured to the lower
80 ends of the cranks, and the elongated pads C C, rigidly secured lengthwise to the portions *b b* at two points in the length of each pad, substantially as described and shown.

In testimony whereof I have hereunto signed 85 my name this 26th day of October, 1889.

GEORGE A. GREENE. [L. s.]

Witnesses:

J. W. HALL,
H. U. CLARK.