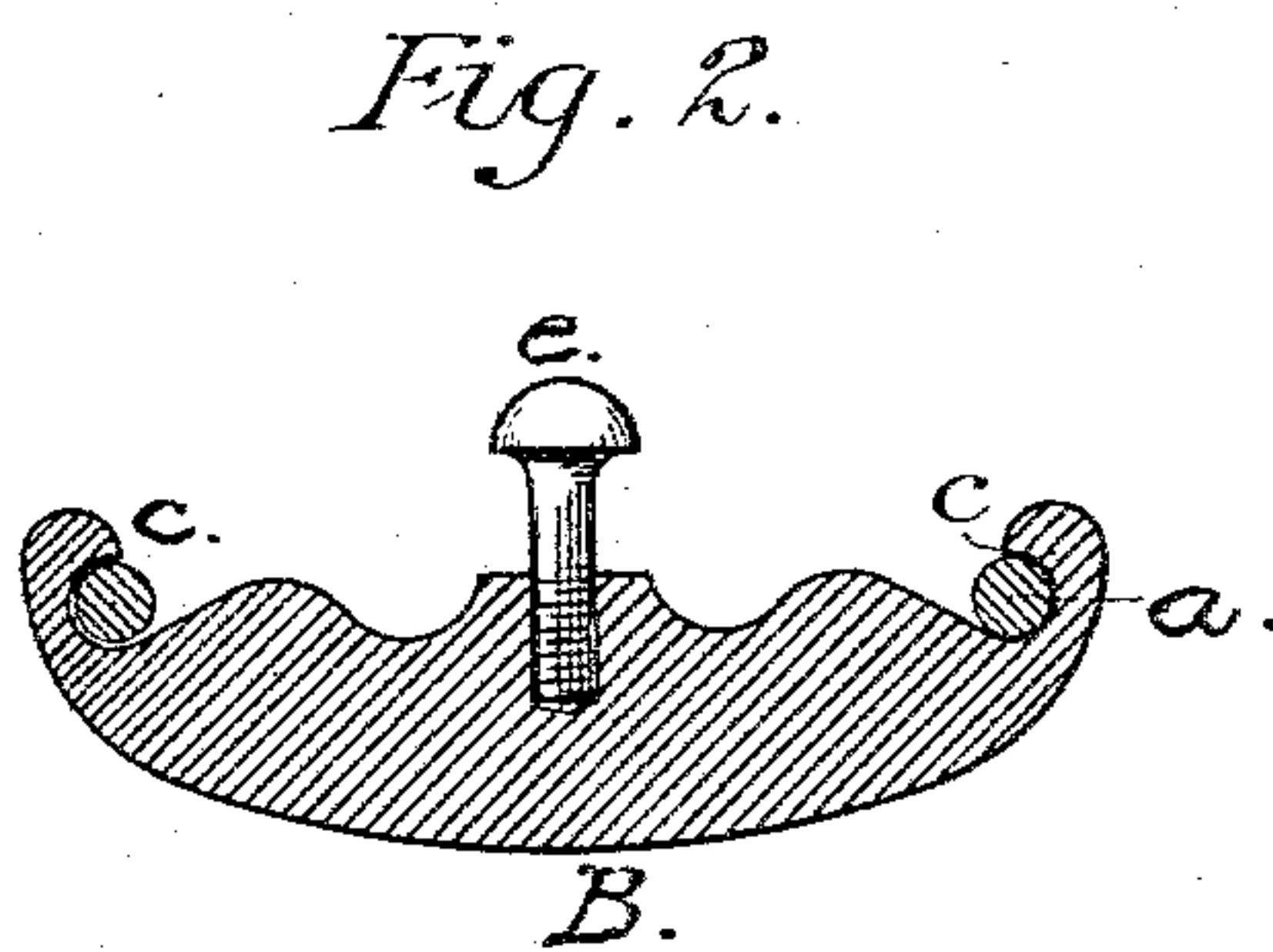
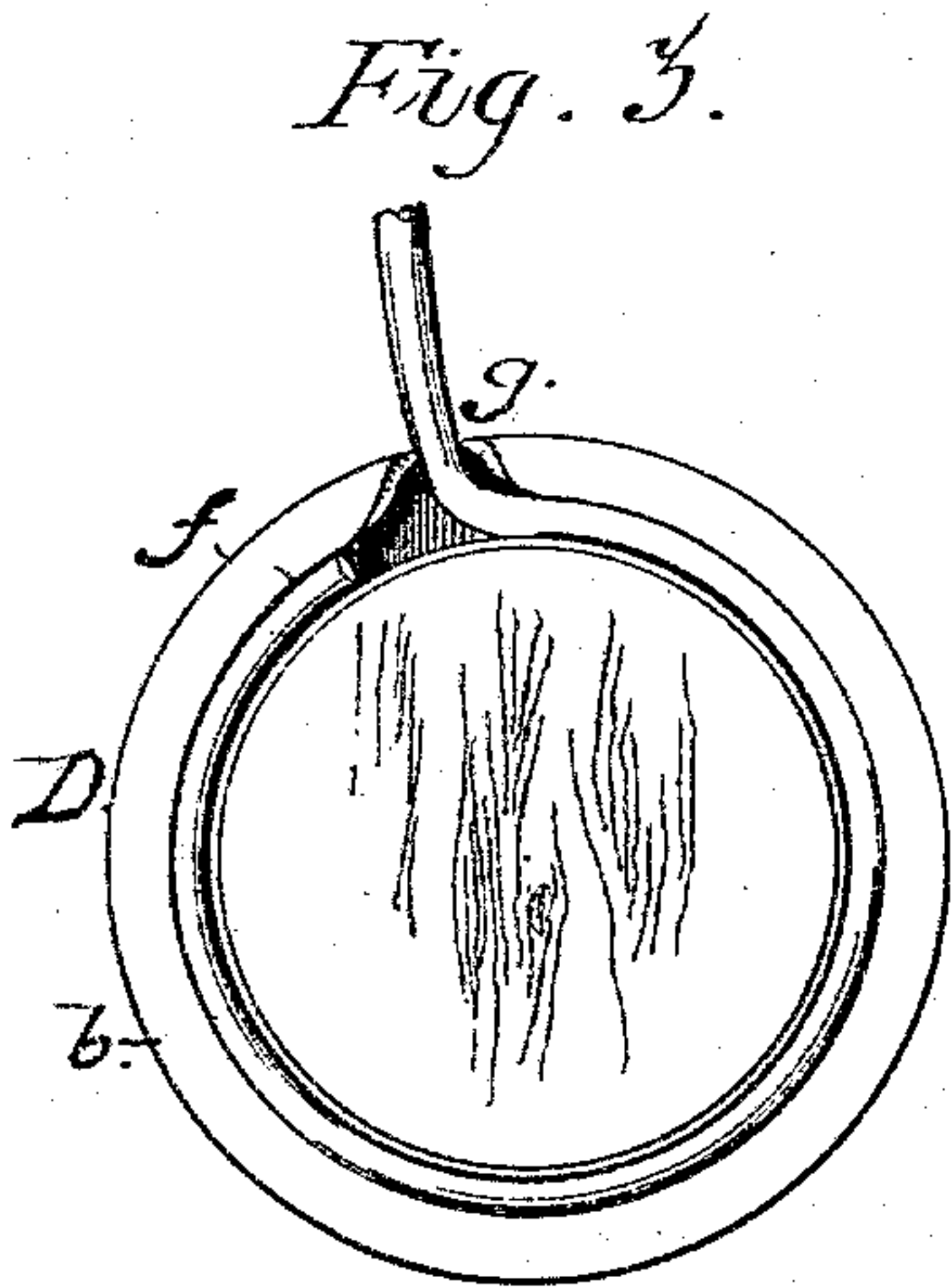
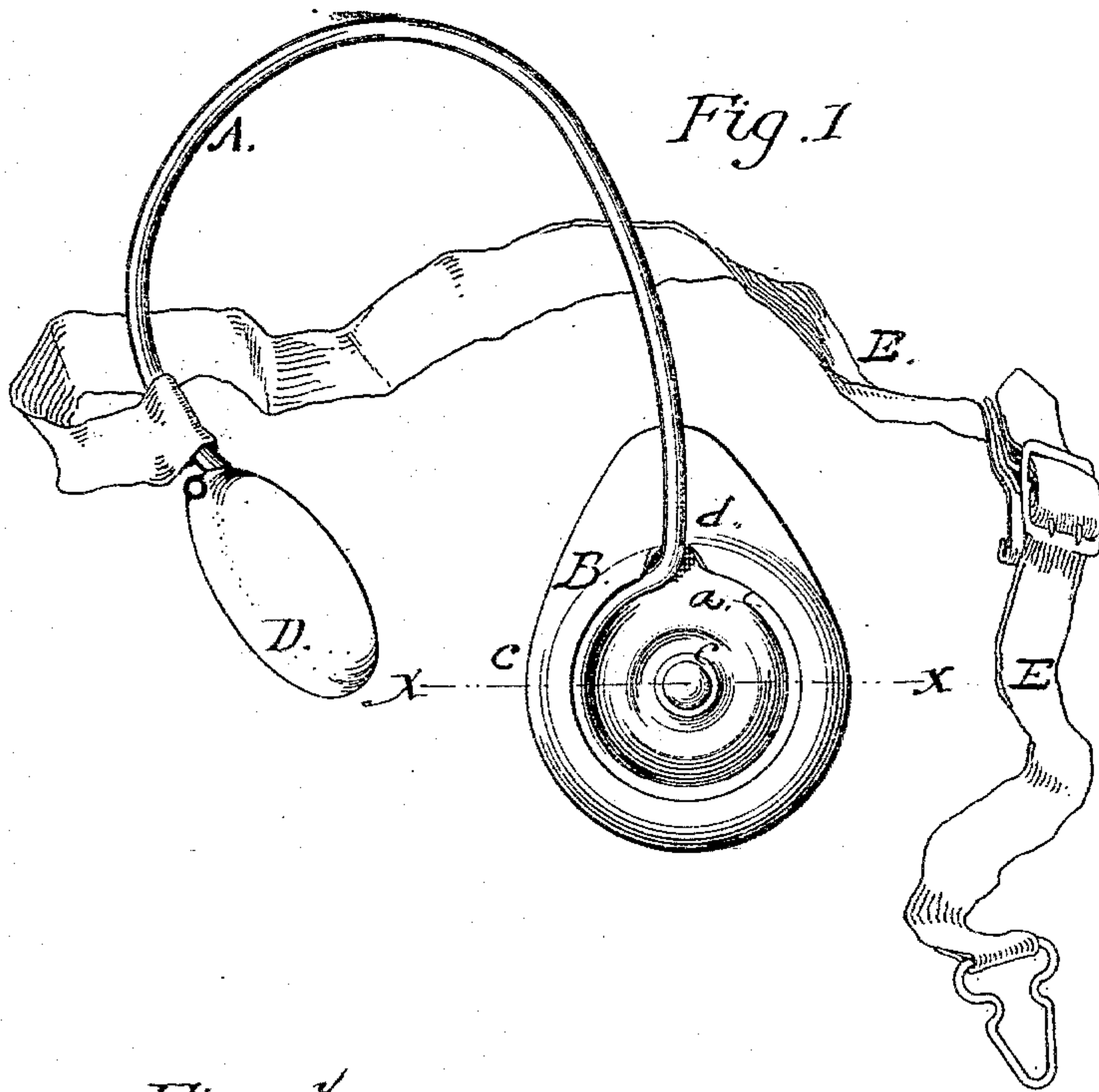


(No Model.)

J. M. SMITH.  
TRUSS.

No. 546,355.

Patented Sept. 17, 1895.



Witnesses:  
Alger Davis  
P. C. Preston

Inventor:  
Jas. M. Smith  
per C. W. Donut Co.  
Attorneys.



# UNITED STATES PATENT OFFICE.

JAMES M. SMITH, OF GALT, CANADA.

## TRUSS.

SPECIFICATION forming part of Letters Patent No. 546,355, dated September 17, 1895.

Application filed March 10, 1894. Serial No. 503,179. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES M. SMITH, a citizen of Canada, residing at Galt, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Hernia-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 appertains to make and use the same.

My invention is an improvement in hernia-trusses; and it has for its object to provide a truss of light weight, ample strength and elasticity, simple, and comparatively inexpensive.

It consists, essentially, of three principal parts, viz: an elastic wire that will adapt itself to the body of a person, a pad for the front, and a back pad. The wire or bow has at one end a circular loop and at the opposite end a similar loop. Both pads are preferably formed of wood, covered with soft material or bare. Each of the pads is recessed at the back and provided with an annular groove to receive the loops of the wire or bow. The back pad is preferably of circular form and slightly depressed at its inner face. The front pad is preferably pear-shaped and convex on its inner face. The loops of the wire or bow are normally larger than the grooves of the pads into which they are placed, and therefore have to be sprung into place in the respective grooves of the pads, which grooves are undercut to assist in holding the bow and pads in union. Both pads are notched out to receive the shank of the wire or bow at the junctions of said bow with said pads. A suitable belt attached to the bow of the truss is arranged to encircle the waist.

In the drawings illustrating my invention, Figure 1 is a perspective view showing the invention complete. Fig. 2 is a horizontal sectional view of the front pad, illustrating the method of uniting the bow and the pads.

Similar reference-letters in the drawings refer to like parts in both figures.

Referring to the drawings, A is the wire or

bow connecting the two pads, having at one end a circular loop *a* and at the opposite end a similar loop *b*, both slightly open to provide for the required spring.

B is the front pad, of pear shape, having a circular groove *c*, notch *d*, and button *e*.

D is the back pad, having a groove *f* and a notch *g*.

E is a belt, in two parts, of woven fabric, preferably attached to the wire or bow, having a buckle of ordinary form to unite the said parts and a loop adapted to hook onto the button of the truss-pad B.

In fitting the truss to the body, the pads being in place, the bow is sprung over one hip of the person, the front pad placed against the affected part, and the back pad fitted to the back of the person. The loop of the belt is now brought around to the front of the body and hooked over the button of pad B. The pads may be of other material than wood, and the wire or bow may be larger or smaller than shown.

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

1. The combination, in a hernia truss, of a pad (or pads) having an annular groove on the back of a depth and form to receive the loop (or loops) of the bow, the body of said pads adjacent to said grooves, outward and inward as well as laterally, forming abutments for the loops of said bow, in combination with said bow and loops, as and for the purpose set forth.

2. In combination: the bow with its loops, the pads, with their grooves and a button secured to one of said pads, as described, and the waist belt, as and for the purpose set forth.

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

JAMES M. SMITH.

Witnesses:

T. H. SMITH,

R. BARRIE.