

No. 640,454

Patented Jan. 2, 1900.

C. DONOVAN.  
TRUSS PAD.

(Application filed Feb. 24, 1898.)

(No Model.)

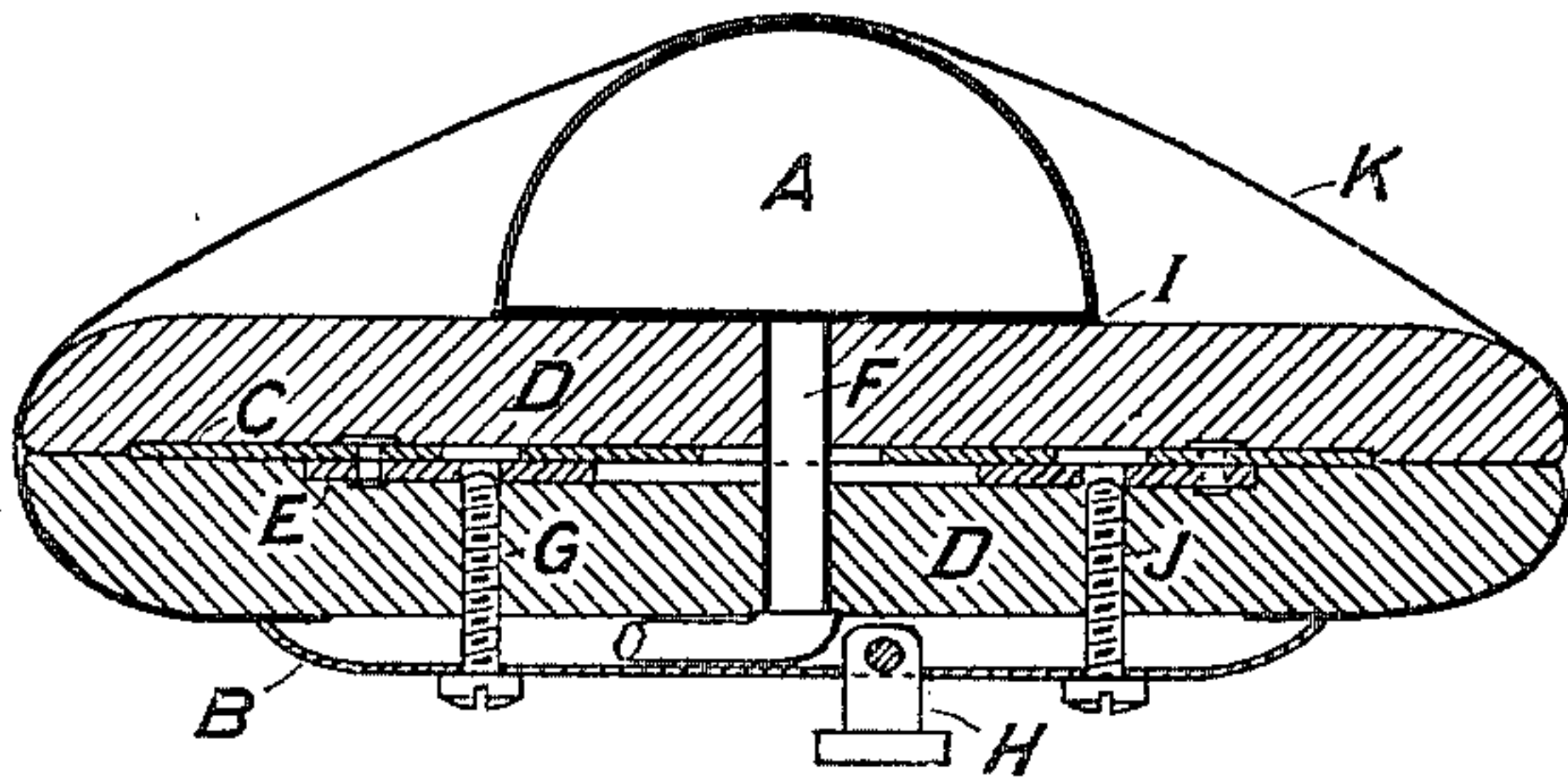


FIG. 1

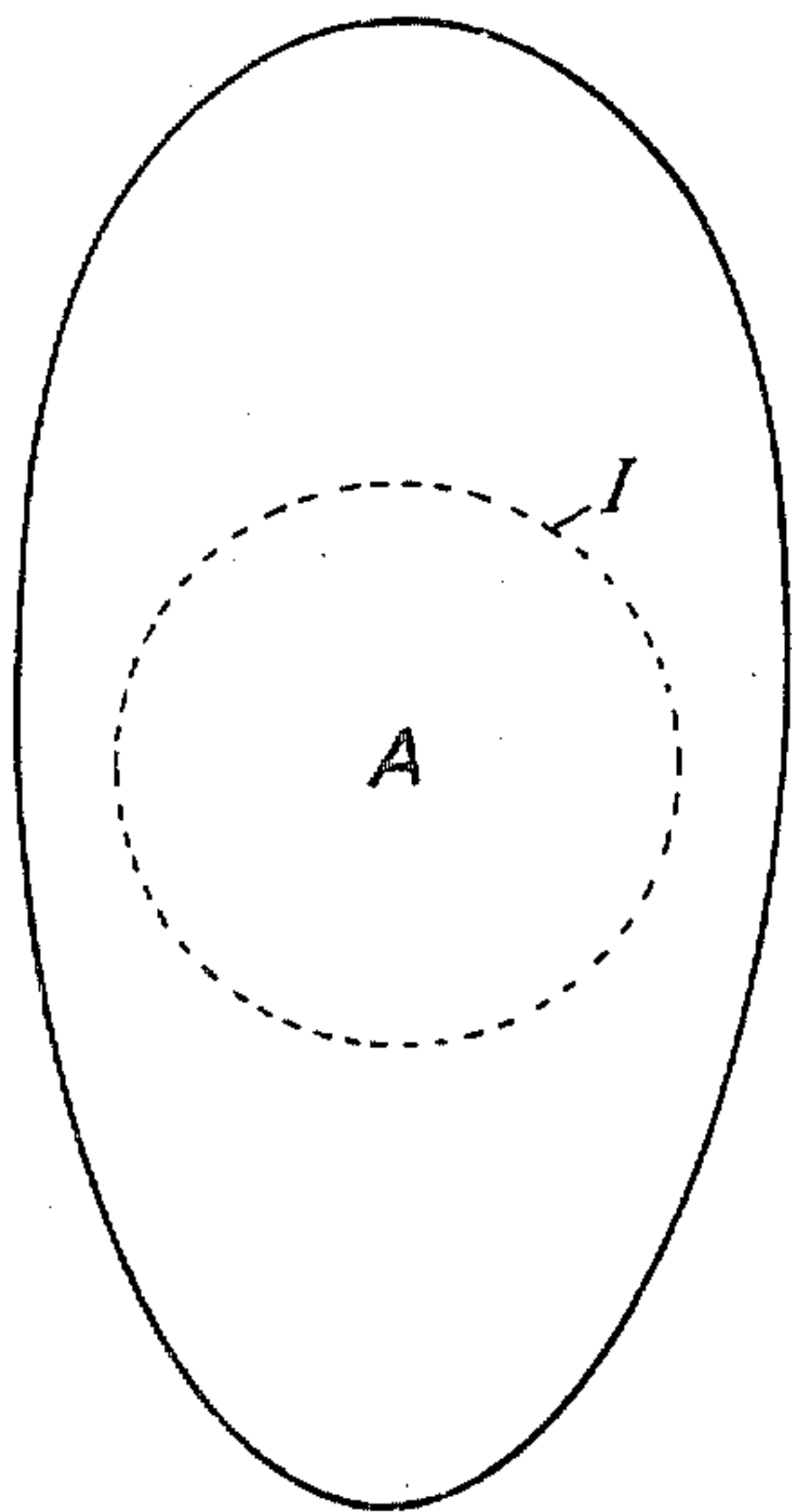


FIG. 2

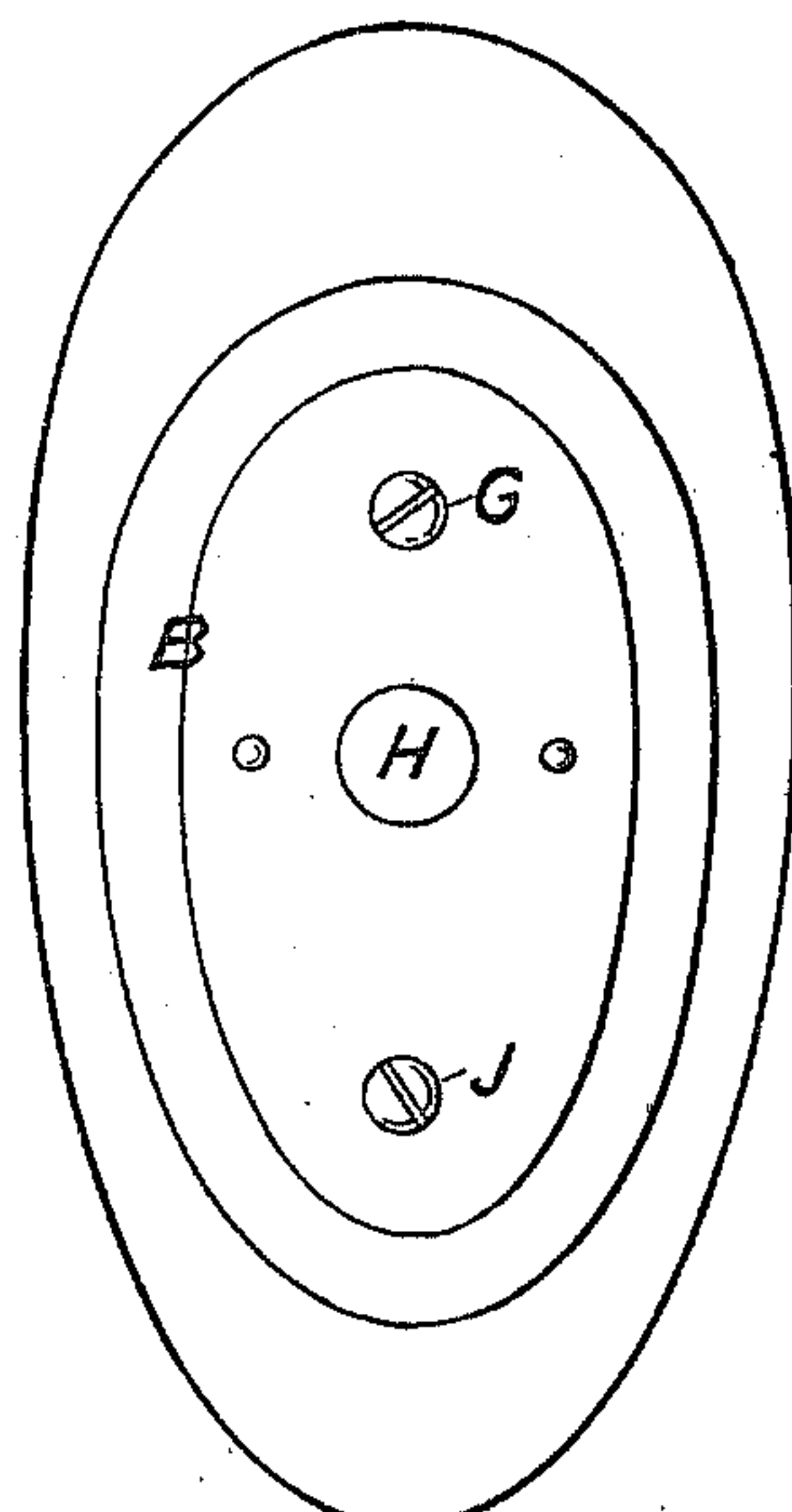


FIG. 3

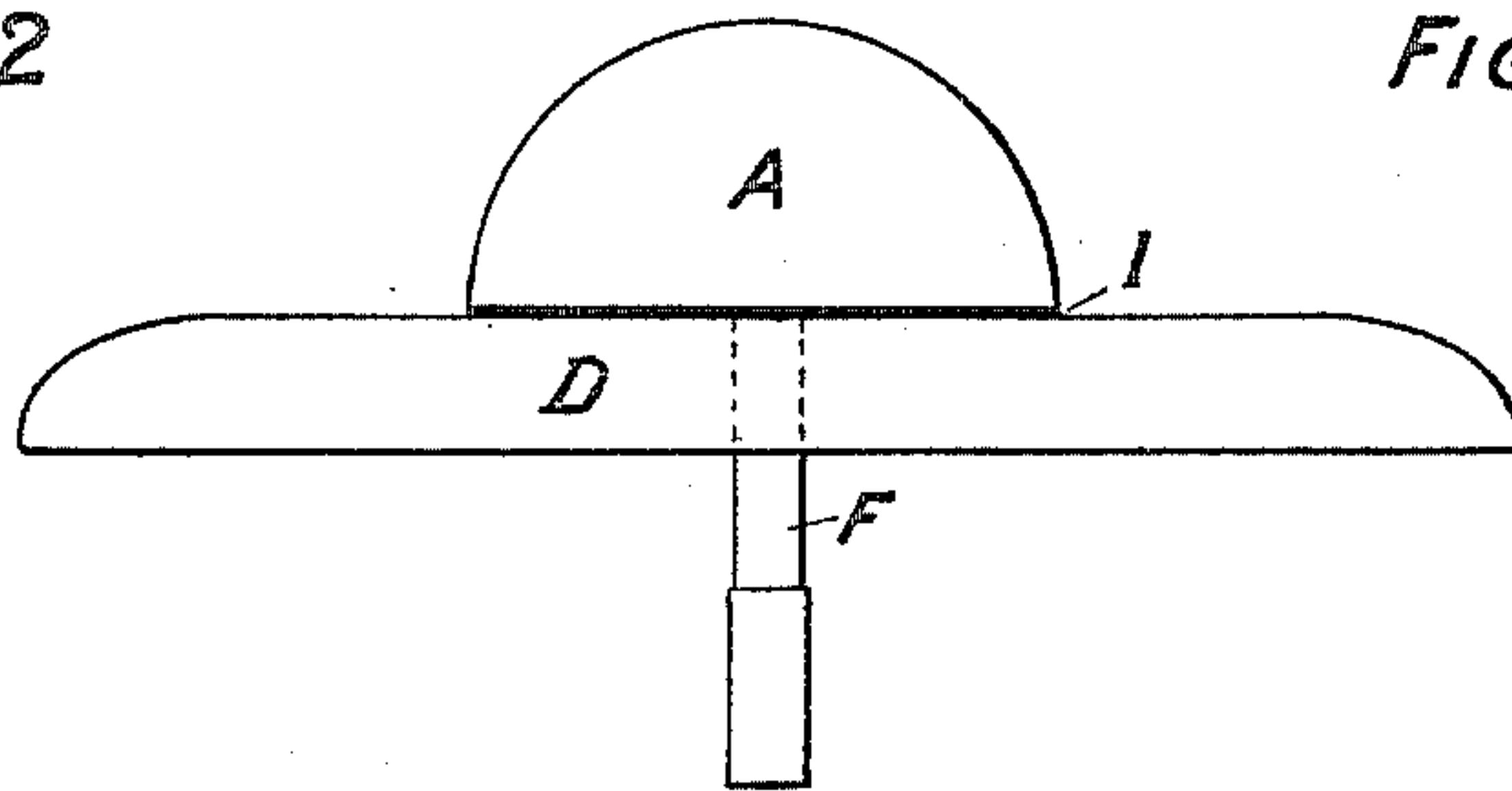


FIG. 4

WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## TRUSS-PAD.

SPECIFICATION forming part of Letters Patent No. 640,454, dated January 2, 1900.

Application filed February 24, 1898. Serial No. 671,519. (No model.)

*To all whom it may concern:*

Be it known that I, CORNELIUS DONOVAN, a citizen of the United States of America, residing at No. 227 West Fourteenth street, in the city of New York, county and State of New York, have invented a new and useful Soft Hernial Pad, of which the following is a specification.

My invention relates to a soft hernial pad to be attached to trusses; and the object of my improvement is to produce a soft hernial pad which will lessen the trouble and pain of the ruptured wearer by holding back the hernia without unnecessary friction or chafing and with less trouble to the wearer than the hernial pads now in use. I obtain this result by a combination illustrated in the accompanying drawings, submitted herewith and made a part of this specification.

Figure 1 shows the entire pad, displaying all its parts, each part being designated by a letter. Fig. 2 is a front view of the pad. Fig. 3 is a rear view of the pad. Fig. 4 is a view of the part of the pad to which my invention relates, separate and apart from the rest of the pad.

Similar letters refer to similar parts throughout all the views.

A rubber pouch A, one half of which, forming a head or bottom, is fastened to an oval-shaped flat layer of felt or other soft material D, Figs. 2 and 4, by rubber cement, the other half of the pouch being then filled with water or air by means of a rubber tube F, the place of fastening or attachment of said pouch to the felt or other soft material being indicated on accompanying drawings by letter I, Figs. 1, 2, and 4. Said rubber pouch when cemented to the base D and filled forms a half-sphere A, (in figures shown,) but may be of different shape, Figs. 1, 2, and 4, there being an aperture in said base D about its center for the passage of a small rubber tube F, Fig. 4. This base D is held in place and in shape by two thin brass plates C and E, fastened together, smaller in size than the base D and of nearly similar shape, Fig. 1, and also another oval-shaped piece of felt or other soft material, corresponding in size and shape and being of similar material as aforesaid base D, which is sewed to the first-described base D and covers the aforementioned brass

plates C and E, Fig. 1, and being used as filling, this layer of filling being in turn supported by a third brass plate B, Figs. 1 and 3, being the back of the pad and being of nearly same size as first-described plates C and E, its edges being turned slightly inward, so that when all parts of the pad are fastened together the base D and filling D extend slightly beyond the brass plates and back at all points, Fig. 3. This third plate or back is fastened to the interior plates C and E by two screws G and J, which screws pass through the layer of filling D, fastening in the interior plates C and E, Fig. 1. This gives a stable body to the pad. A collet H, having a round head, is fastened to this exterior brass plate or back B, by which the pad is clamped to the truss, Fig. 1. This collet permits the pad to oscillate with the pressure from the abdomen.

The pouch is filled and emptied by means of a rubber tube F, which passes through the interior brass plates C and E and the filling and base D and D and is securely inclosed within and covered and protected by the exterior brass plate B, this tube being closed by being compressed with a piece of rubber tubing after filling the pouch. The entire pad, except the outer brass plate B and the collet H, is then inclosed in a cover of silk or other suitable material, which is caught and fastened under the edges of the brass back B.

I am aware that prior to my invention hernial pads have been made from different combinations; but I claim that no previous combination of a rubber pouch of different shapes, one half of which is attached to a base of felt or other soft material by rubber-cement and the other half then filled with water or air, has heretofore been patented.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a hernial pad, the combination with a base composed of two sections of soft material placed face to face, of stiffening-plates secured to the respective sections and connected to each other, and a pouch attached to the exterior of one of said sections.

2. The herein-described hernial pad, comprising two sections of soft material placed in superposed relation, stiffening-plates between said sections, said plates being connected to the respective sections and fastened



together, an inflatable pouch secured to one of the sections of the base, an inflating-tube extending from the pouch through the base-sections, a plate covering the mouth of said tube, and screws connecting said plate to the stiffening-plates.

3. In a hernial pad, the combination with a base composed of two superposed sections of soft or yielding material, of a stiffener located between said sections, an inflatable pouch secured to one of said base-sections, an inflating-tube extending from the pouch through the base-sections, and a closure for the outer end of said tube.

4. In a hernial pad, the combination with a

base composed of two superposed sections of soft or yielding material, of a stiffener located between said sections, an inflatable pouch secured to one of said base-sections, an inflating-tube extending from the pouch through the base-sections, a piece of fabric stretched over said pouch and around the edges of the base to the opposite side thereof, and a plate detachably secured to the base and clamping the edges of the fabric thereagainst and also closing the outer end of the inflating-tube.

CORNELIUS DONOVAN.

Witnesses:

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