

No. 705,453.

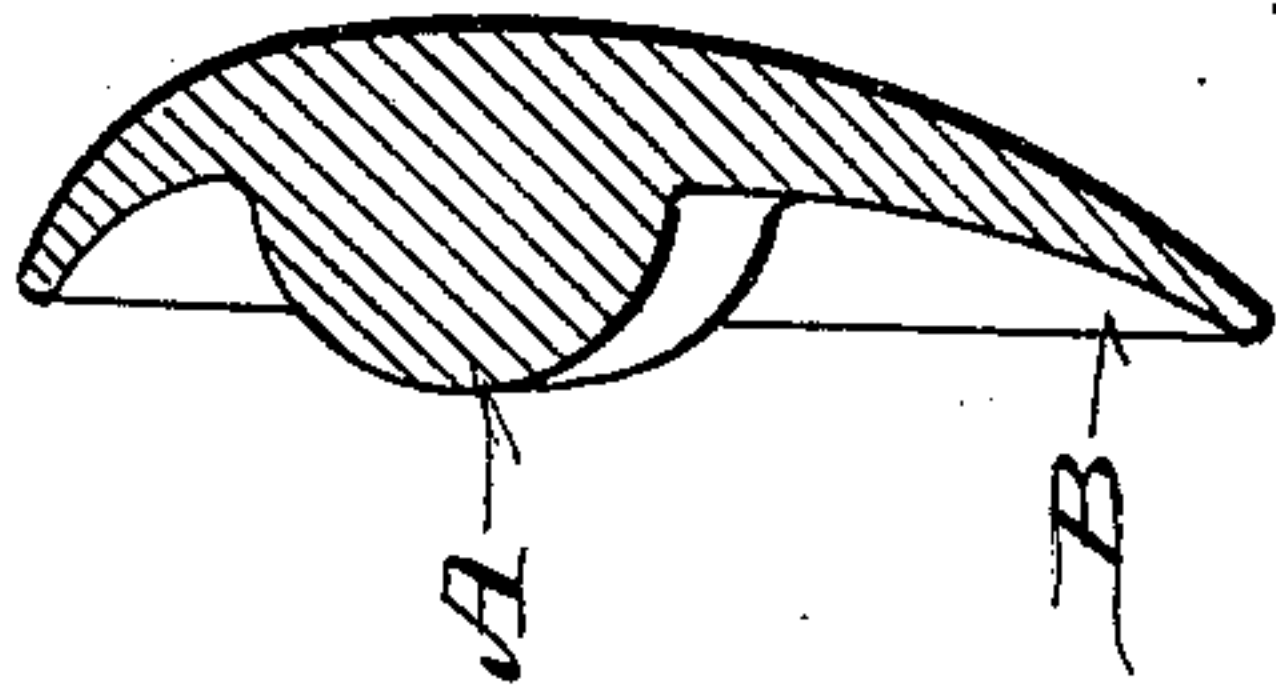
J. H. SHERMAN.  
HERNIAL TRUSS.

Patented July 22, 1902.

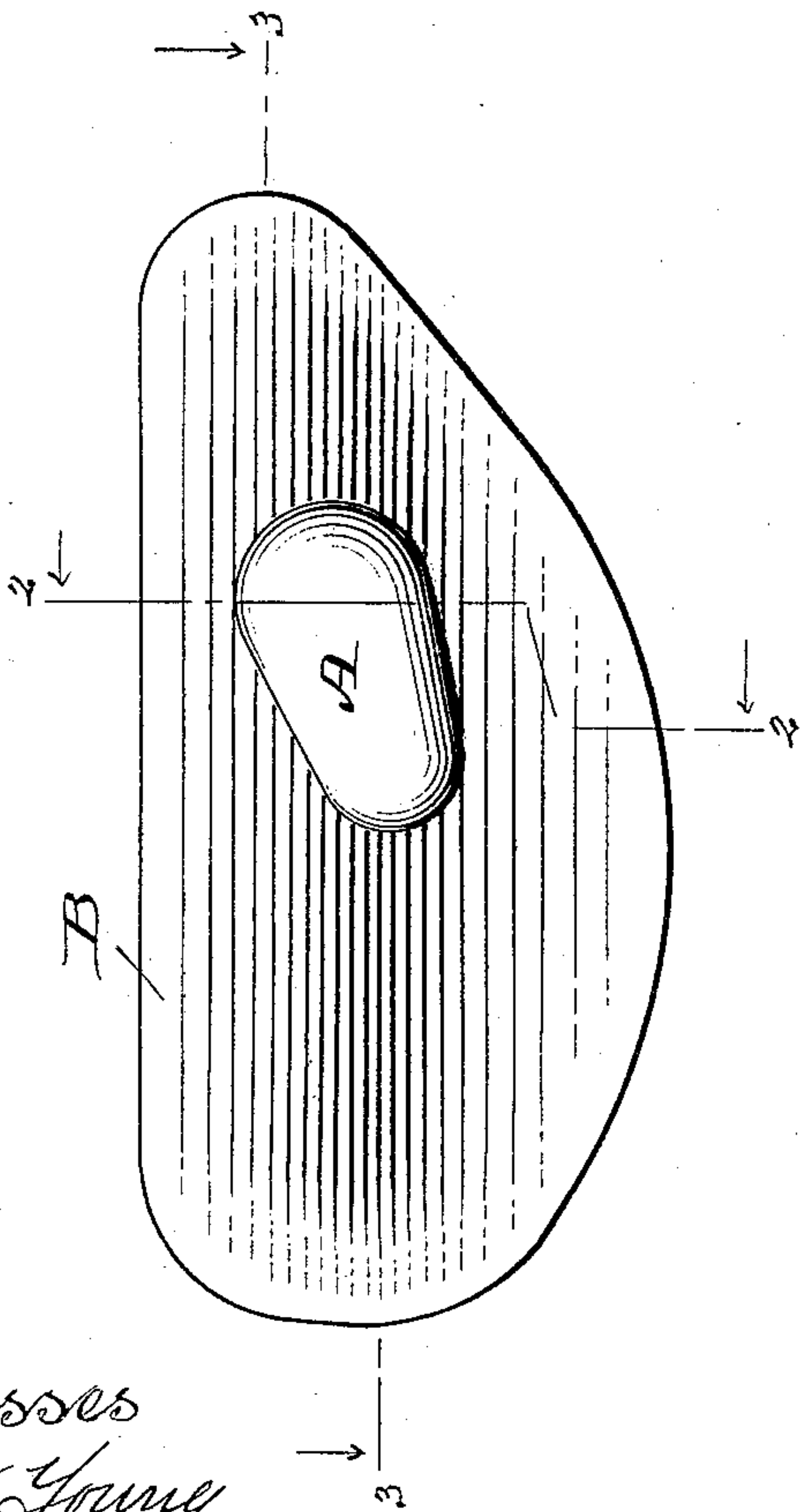
(Application filed Mar. 15, 1902.)

(No Model.)

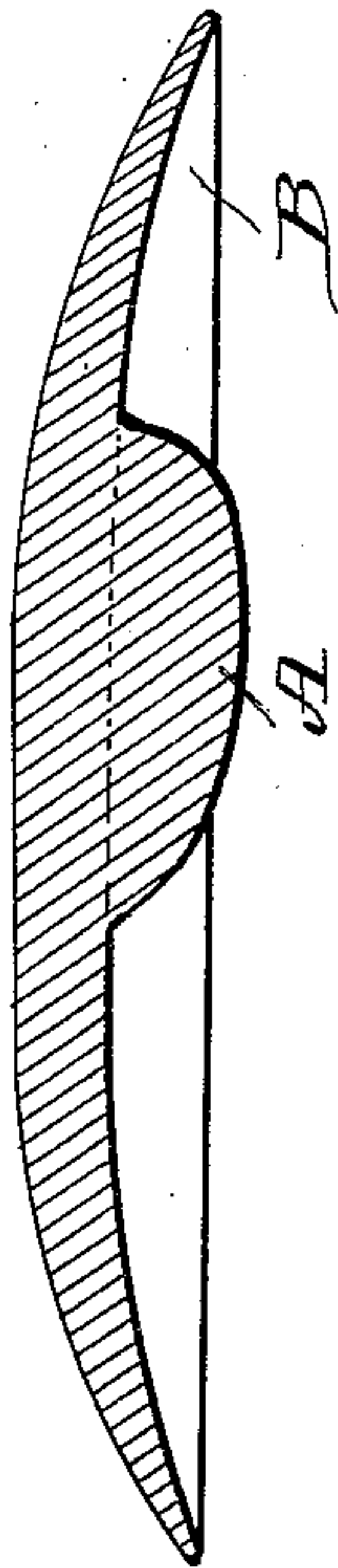
*Fig. 2.*



*Fig. 1.*



*Fig. 3.*



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN H. SHERMAN, OF BEAVERDAM, WISCONSIN.

## HERNIAL TRUSS.

SPECIFICATION forming part of Letters Patent No. 705,453, dated July 22, 1902.

Application filed March 15, 1902. Serial No. 98,281. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. SHERMAN, a citizen of the United States, and a resident of Beaverdam, in the county of Dodge and State of Wisconsin, have invented certain new and useful Improvements in Trusses; and I do hereby declare that the following is a full, clear, and exact description thereof.

The object of my invention is to obviate as much as possible the discomfort of those who wear trusses for reduction of rupture; and it consists in a truss comprising a flexible shell and a knob within the shell, this shell being adhesive under atmospheric pressure to the body of the person wearing the truss of which it forms a part, said truss being hereinafter more particularly set forth with reference to the accompanying drawings and subsequently claimed.

Figure 1 of the drawings represents an inner side elevation of a truss in accordance with my invention; and Figs. 2 and 3, sectional views of said truss, these latter views being respectively indicated by lines 2 2 and 3 3 in the first figure.

Referring by letter to the drawings, A indicates a knob within a flexible shell B, the knob and shell being a truss of preferably rubber material molded and vulcanized in one piece. The truss as a whole is outwardly convex; but its shell portion is inwardly concave.

In practice the inner concave face of the shell portion of the truss is moistened and pressed close against the body of the ruptured person wearing the device, air being

expelled from between the two, whereby there is adhesion of said shell due to atmospheric pressure, the hernia being held in by the knob of said truss. Owing to its flexibility and adhesion the truss conforms to movements of the body of the person wearing the same and is not liable to displacement, trusses of this kind being retained in position without the use of any appliances, such as springs, wires, belts, or harness of any description. The general shape of the truss is variable according to the peculiarity of the hernia or rupture—as, for instance, an umbilical truss will be round.

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

1. A truss comprising a flexible shell and a knob within the shell, this shell being adhesive under atmospheric pressure when moistened upon its inner face and pressed against the body of a ruptured person to expel air from between the two.

2. A truss comprising a flexible shell and a knob therein of molded and vulcanized rubber material in one piece, the device as a whole being outwardly convex and having the shell portion thereof inwardly concave.

In testimony that I claim the foregoing I have hereunto set my hand, at Beaverdam, in the county of Dodge and State of Wisconsin, in the presence of two witnesses.

JOHN H. SHERMAN.

Witnesses:

CHAS. C. MILLER,  
M. MILLER.