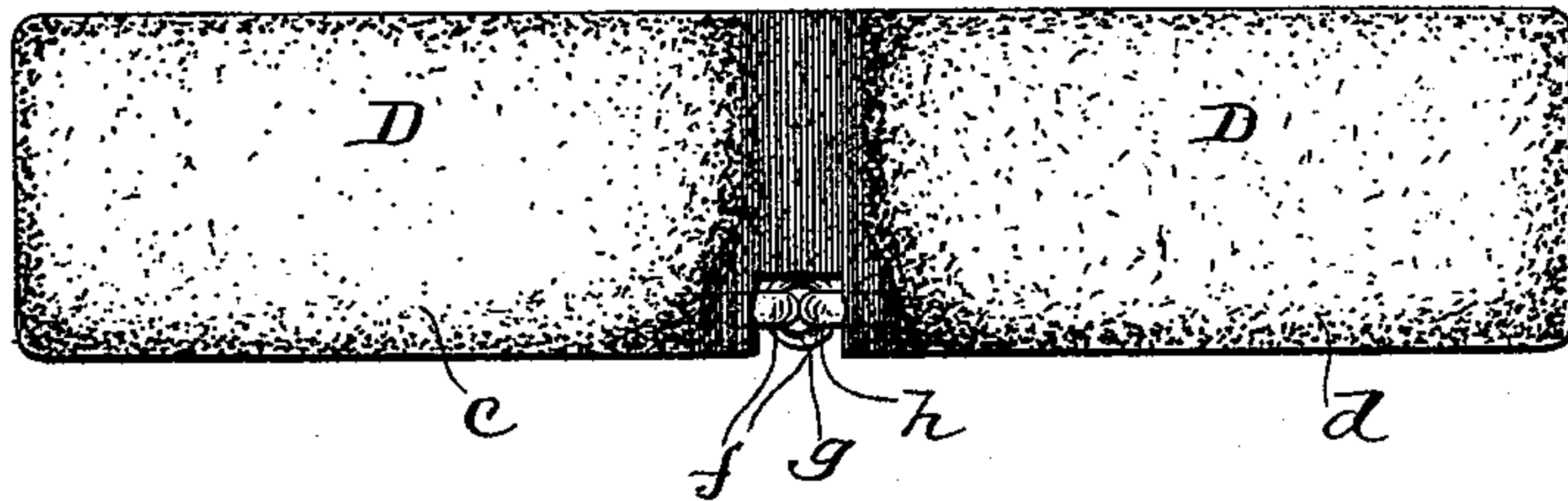
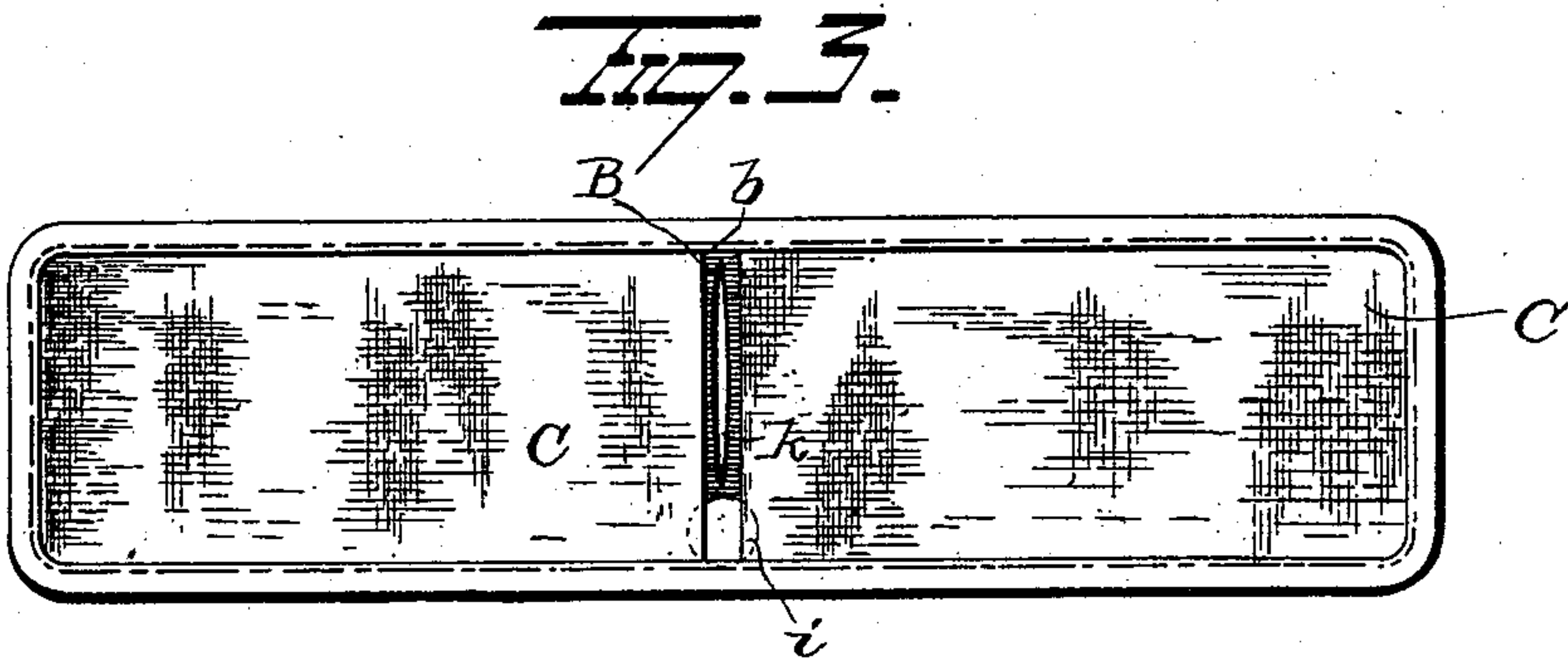
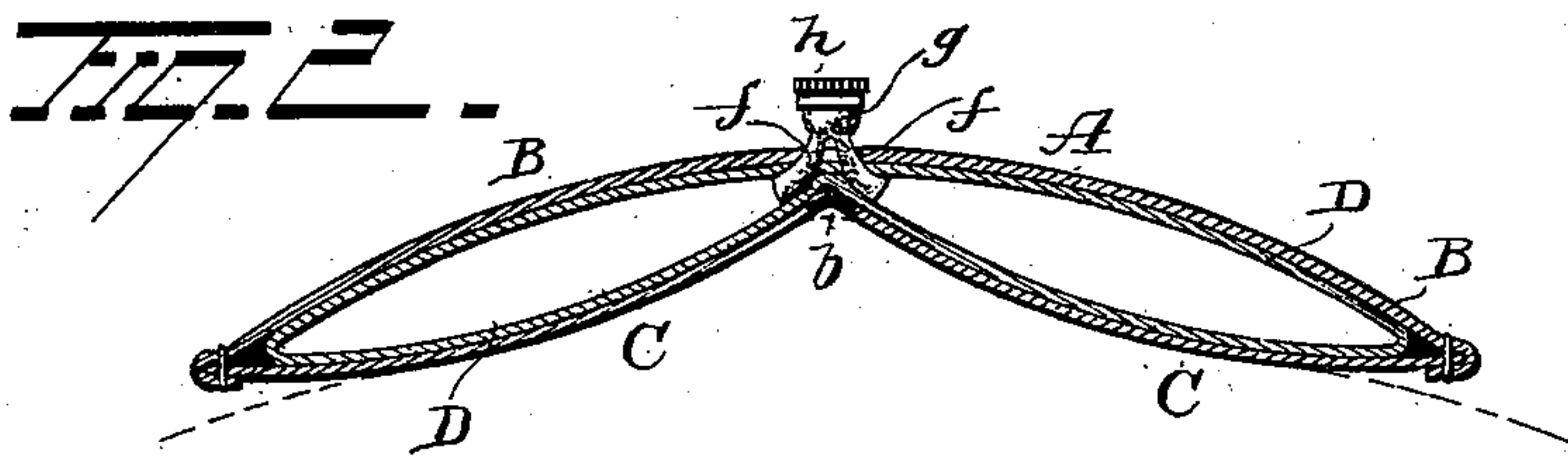
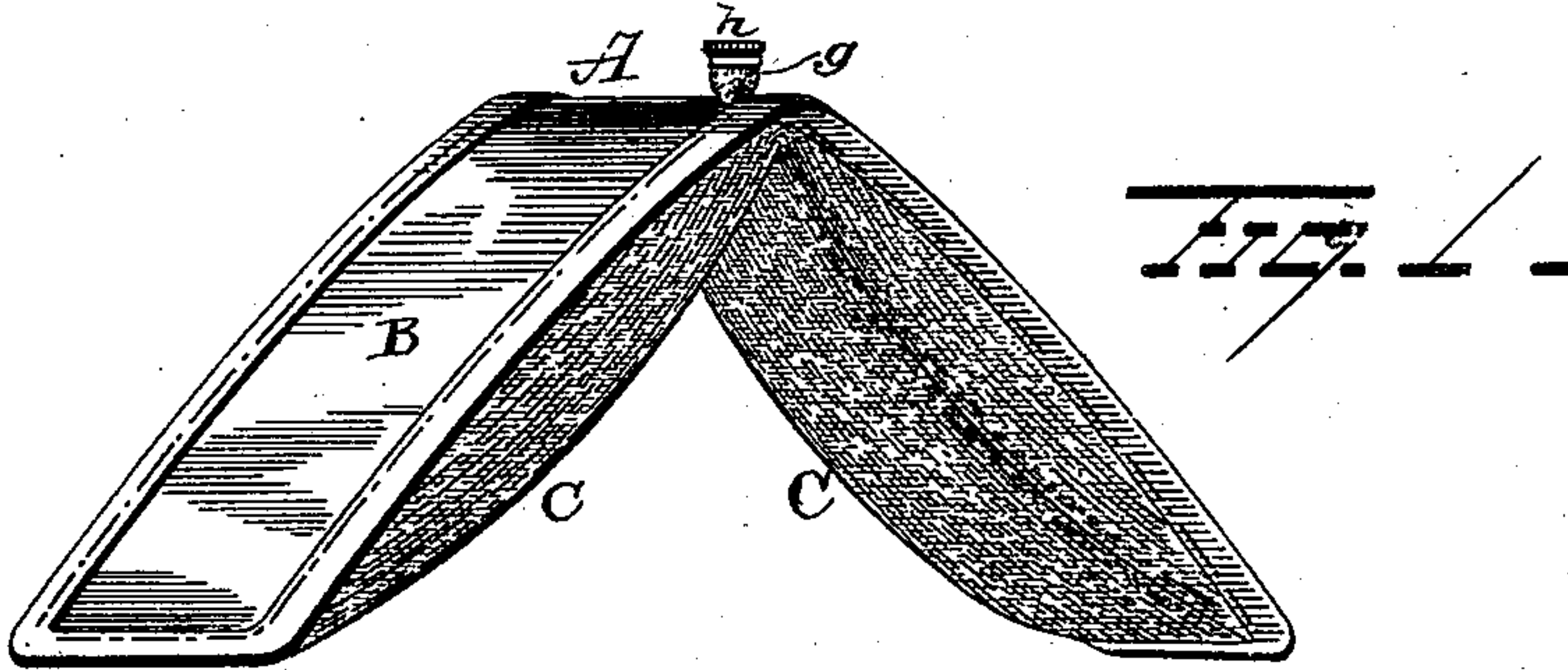


(No Model.)

J. T. SHORT.
HARNESS PAD.

No. 539,709.

Patented May 21, 1895.



Witnesses
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G. F. Downing

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UNITED STATES PATENT OFFICE.

JAMES T. SHORT, OF LOUISVILLE, KENTUCKY.

HARNESS-PAD.

SPECIFICATION forming part of Letters Patent No. 539,709, dated May 21, 1895.

Application filed January 17, 1895. Serial No. 535,257. (No model.)

To all whom it may concern:

Be it known that I, JAMES T. SHORT, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Harness-Pads; 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 relates to an improvement in harness pads, and it consists of an outer casing or cover and an inner separable inflatable bag.

It further consists of an outer casing having a transverse opening located near its longitudinal center and an inflatable bag adapted to be inserted within said casing; and it further consists in certain novel features of construction and combinations of parts as will be hereinafter more fully described and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view of my improvement. Fig. 2 is a sectional view of the same, and Fig. 3 is a view showing the outer casing and the inflatable bag separated.

A represents the outer casing, which is preferably composed of a top face of leather B or other comparatively stiff material and a bottom face of cloth or equivalent soft material C, the two faces being united at their edges. One face, preferably the bottom face C is provided with an opening *b*, preferably located midway between and at right angles to the ends of said bottom face C, and is designed to admit of the insertion of inflatable bag D within casing A.

The inflatable bag D is constructed of any suitable air tight material and is preferably divided midway its length into two air tight compartments *c, d*. These compartments are separated as clearly shown in Fig. 3. Entering each of said compartments is a short tube *f*, the opposite ends of said tubes terminating in a valve chamber *g* within which is located an ordinary check valve, by means of which the escape of air is prevented. Dust or other foreign substances is excluded from chamber *g* by means of the screw cap *h*.

When the inflatable bag D is in its normal position or in the position shown in Figs. 1 and 2, the valve chamber *g* and a portion of its connected parts are adapted to pass up

through the opening *i* located in the top face of casing A, and hence the valve chamber and its connected parts is in nowise liable to damage.

The top face B of casing A is provided centrally with a slit or elliptical shaped opening *k*, whereby bending of the pad to conform to the shape of a horse's back is easily accomplished. This slit or opening *k* is situated directly over the partition formed between the air tight compartments *c, d*, and hence it will be seen that the thickness of the pad at this point is materially reduced, which permits the pad to accommodate itself to the back of a horse more closely than could be accomplished by a pad wherein the inflatable bag contained but one compartment.

It will be seen from Fig. 3 that the casing A and inflatable bag D are constructed separate and independent of each other, which constitutes one of the important features of the present invention. By thus constructing the above parts, a more simple and inexpensive harness pad is produced, which is not liable to wear rapidly and when worn can be easily repaired.

The bag can be readily removed for repairs and replaced without injuring the casing and without the employment of tools or skilled labor.

It is evident that changes in the construction and relative arrangement of the several parts might be made without avoiding my invention and hence I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described, but,

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

The combination with an outer casing and facing connected together at the edges to constitute two bags which open at a common central point, of an inflatable bag the ends of which enter and are removably secured in this bag, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES T. SHORT.

Witnesses:

HARLAN GOOSE,
JOSEPH SHORT.