

(No Model.)

W. M. LERCH.  
HARNESS SADDLE.

No. 375,942.

Patented Jan. 3, 1888.

Fig. 1.

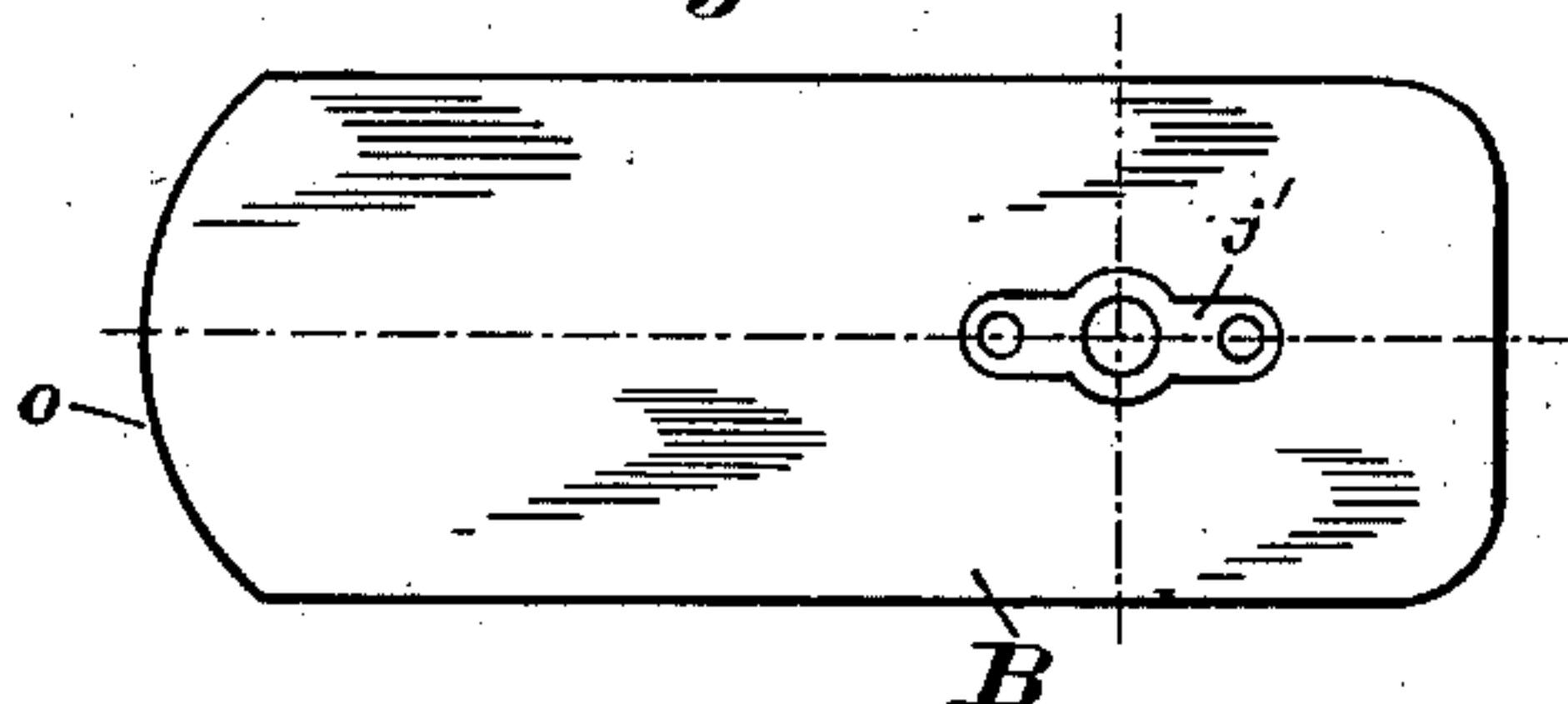


Fig. 4.

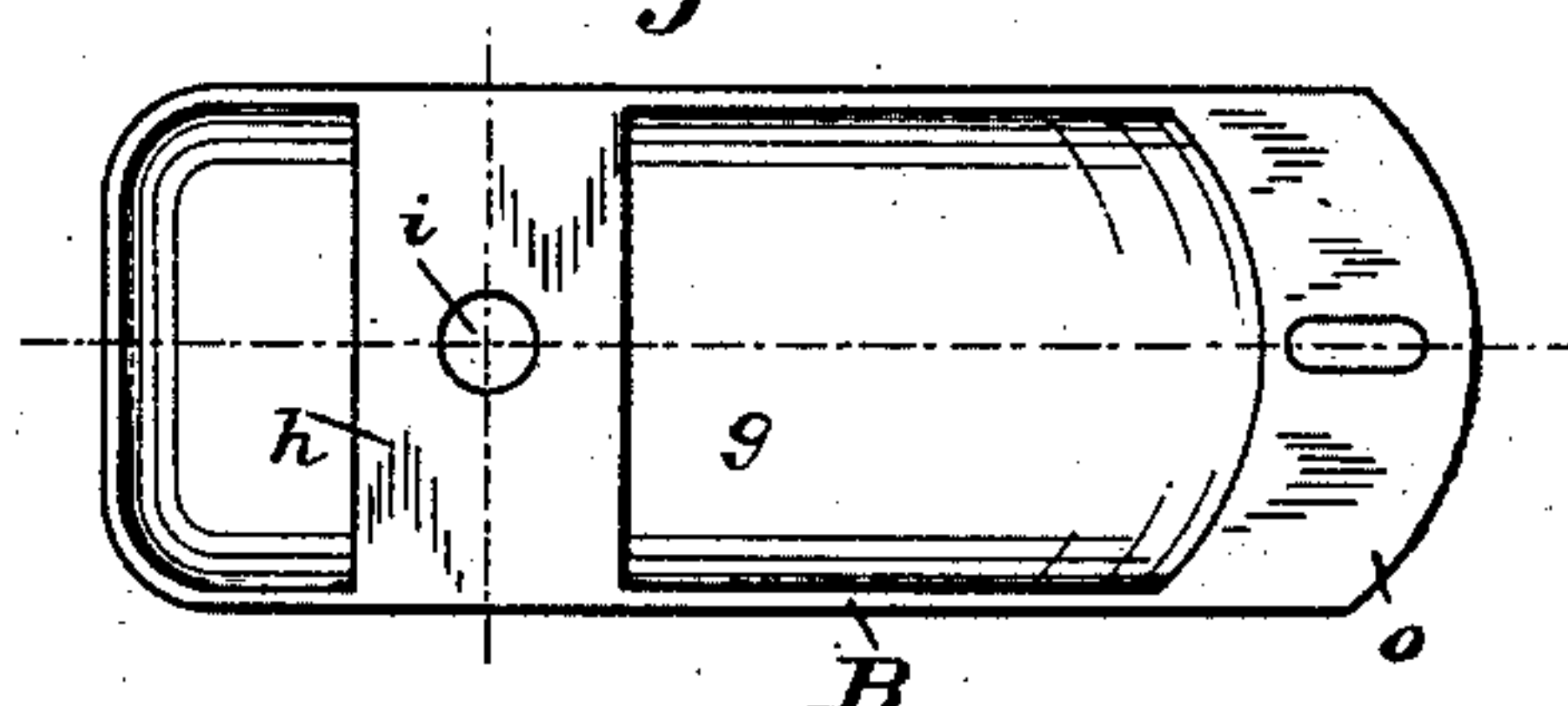


Fig. 2.

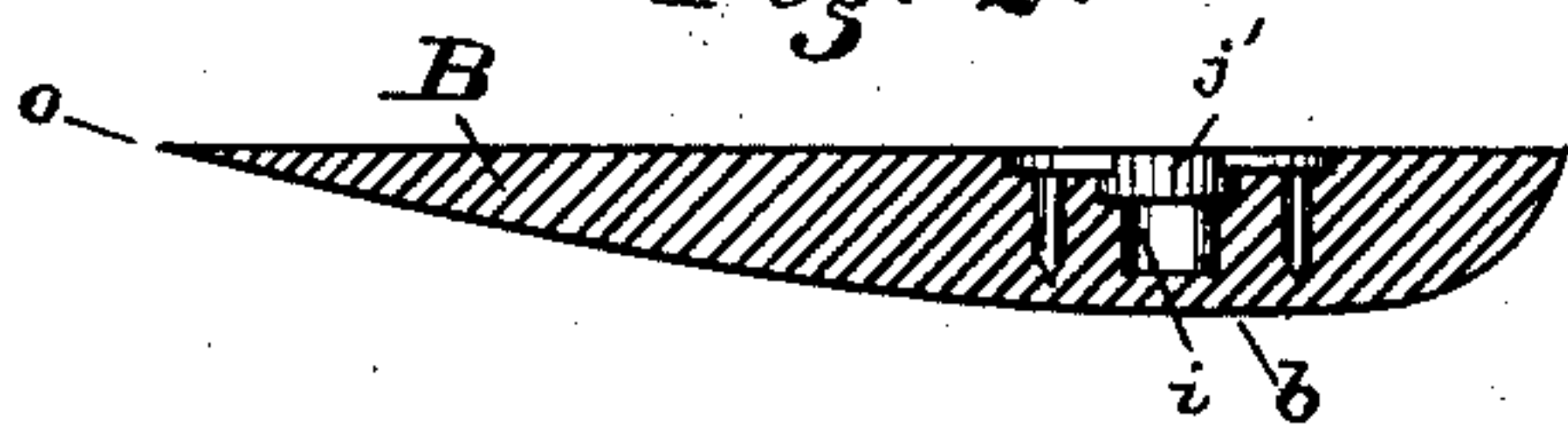


Fig. 5.

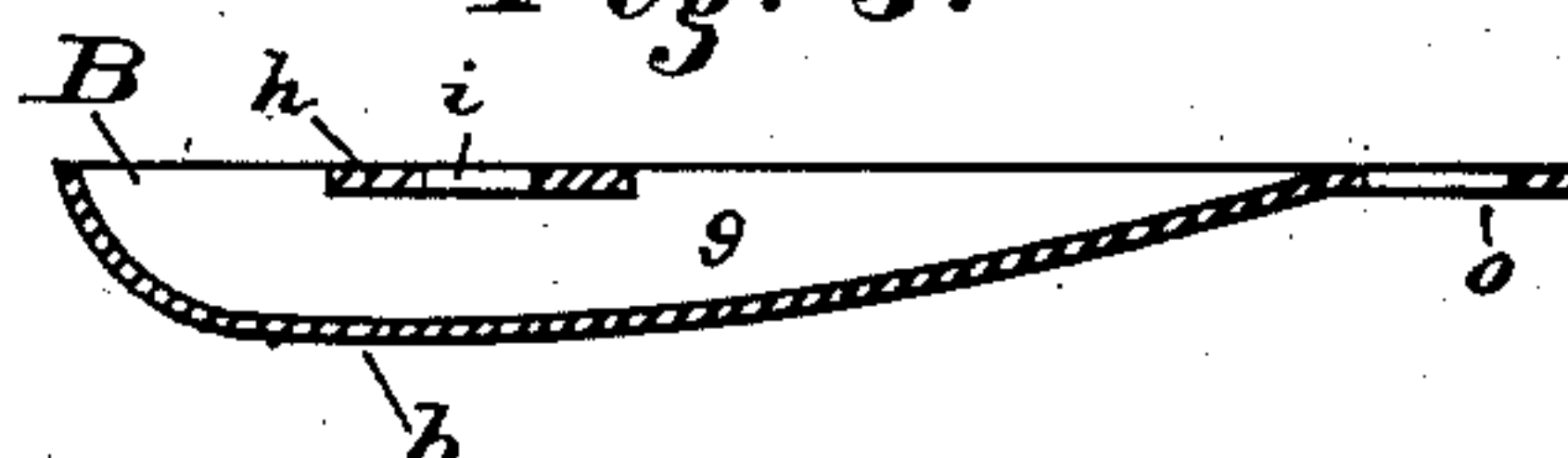


Fig. 3.

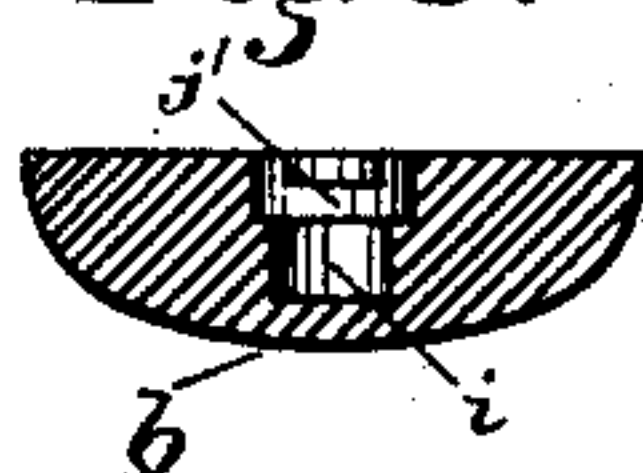
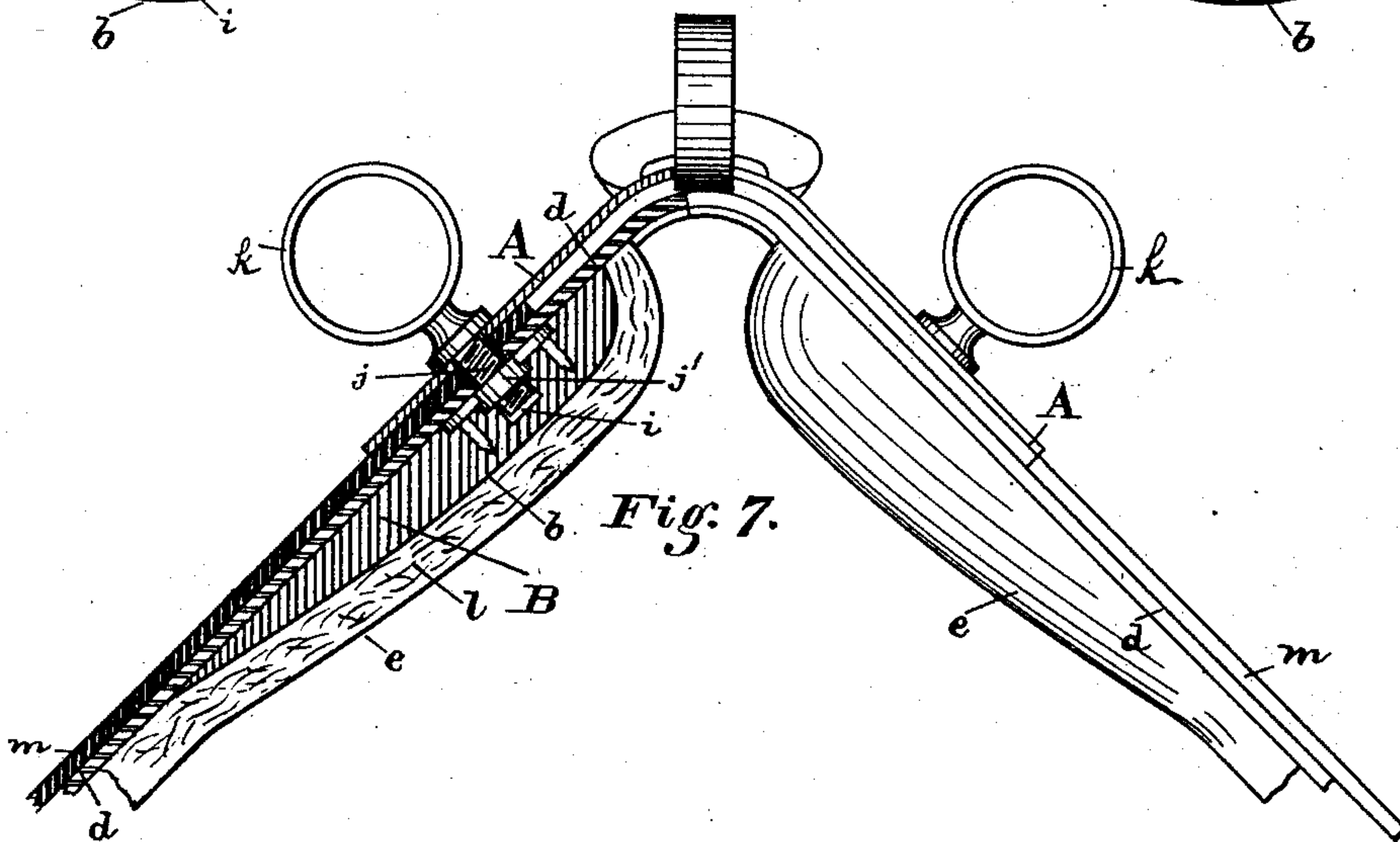
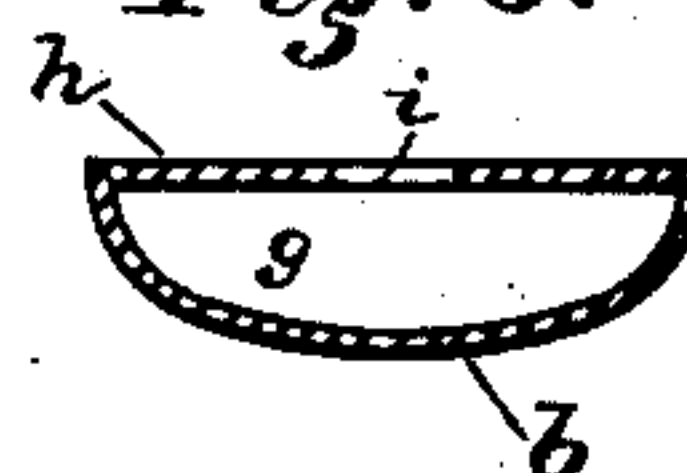


Fig. 6.



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# UNITED STATES PATENT OFFICE.

WILLIAM M. LERCH, OF BALTIMORE, MARYLAND.

## HARNESS-SADDLE.

SPECIFICATION forming part of Letters Patent No. 375,942, dated January 3, 1888.

Application filed September 10, 1887. Serial No. 249,310. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM M. LERCH, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Harness-Saddle Trees, of which the following is a specification.

My invention relates to improvements in trees for harness saddles of the iron jockey or pocket-jockey gig-tree style, the nature of which will be understood from the following description and by reference to the accompanying drawings, in which—

Figure 1 is a top view of the improved under piece, here shown solid through the thick part, as though made of metal, wood, cork, paper-pulp, or other suitable material. Fig. 2 is a longitudinal section, and Fig. 3 a cross-section, of the same. Figs. 4, 5, and 6 are similar views of an under piece made of metal and concave on the upper surface. Fig. 7 is a view of the saddle with iron jockey and the improved under piece or pad-former. One half of the saddle is shown in section.

The iron jockey A is of the ordinary style, and rests on top of the flap *d* and back-band *m*. The under piece, B, may be made of any suitable material, and on its lower side or face has a convex shape, *b*, approximating the form of the saddle-pad at the thick part. Two constructions of under piece are shown. The one seen in Figs. 1, 2, and 3 is solid through the thick part, and has the terret-screw nut *j'* embedded in its upper surface and secured there by nails. The hole or socket *i* in this piece is to receive the screw *j* of the terret *k*. The under piece (seen in Figs. 4, 5, and 6) has a concavity, *g*, on the upper side, and a cross-bar, *h*, bridges over the concavity. The hole *i* is for the screw of the terret. An under piece of this kind having the shape approximating the form of the saddle-pad and taper-

ing from the thickest part of the convex face *b* to the lower end, *o*, is designed to be inserted to its position in the saddle after the pad-cover *e* and felt *l* have been secured to their position. In inserting the under piece its lower thin end, *o*, enters first.

In consequence of the peculiar shape of the under pieces, the felting *l*, used for stuffing the saddle, may be of uniform thickness along the entire length of the pad. No extra felt or other stuffing is used, nor is any required, to build up the thick part of the pad, as has heretofore been necessary. The pad-cover *e* incloses the felt and is laced or stitched to the flap *d*. The back-band *m* (which is the strap to sustain the shafts of a vehicle) is attached to the screw *j* of the terret. In Fig. 7 the band *m* is shown passed under the exterior metal arm, A, of the saddle-tree and between said arm and the flap *d*.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The harness saddle tree herein described, consisting of the iron jockey A and the pad-former B, provided with the terret-nut *j'*, fitted in a recess flush with the face of the pad-former, as shown and described.

2. The harness-saddle tree herein described, consisting of the iron jockey A, the felt *l*, and flap *d*, the pad-former B, provided with the terret-nut *j'*, fitted in a recess flush with the face of the pad-former, and the back-band *m*, interposed between the jockey and flap, as shown and described.

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

WILLIAM M. LERCH.

Witnesses:

JNO. T. MADDOX,  
JOHN E. MORRIS.