

(Model.)

J. B. SULGROVE.

HARNESS SADDLE.

No. 285,177.

Patented Sept. 18, 1883.

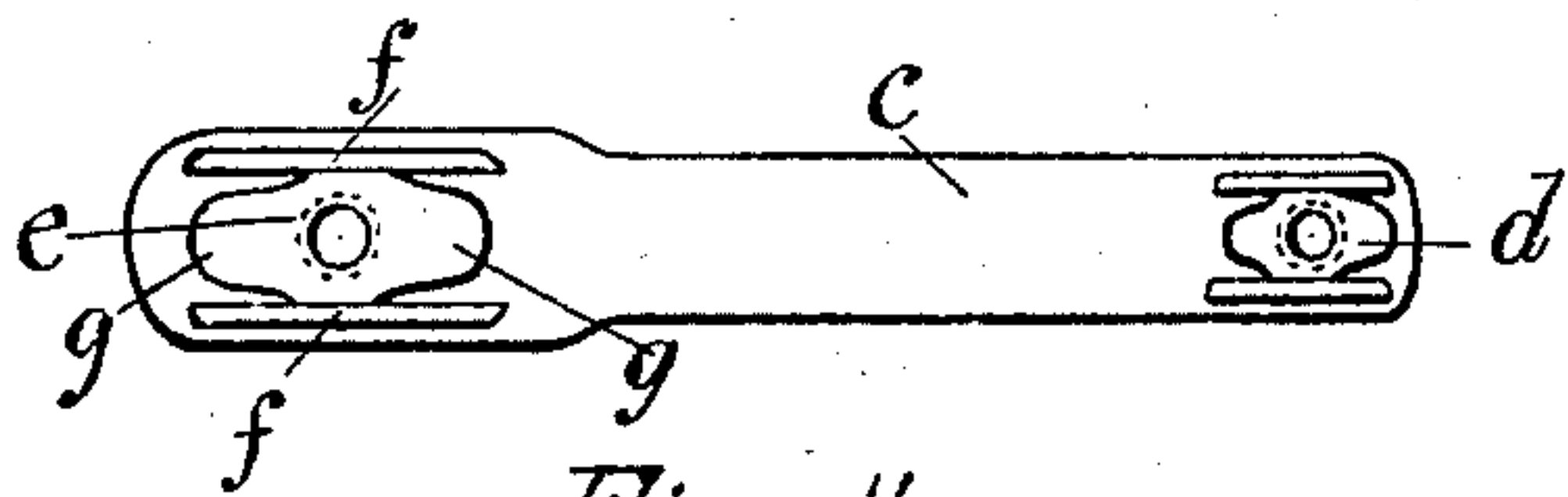


Fig. 4.

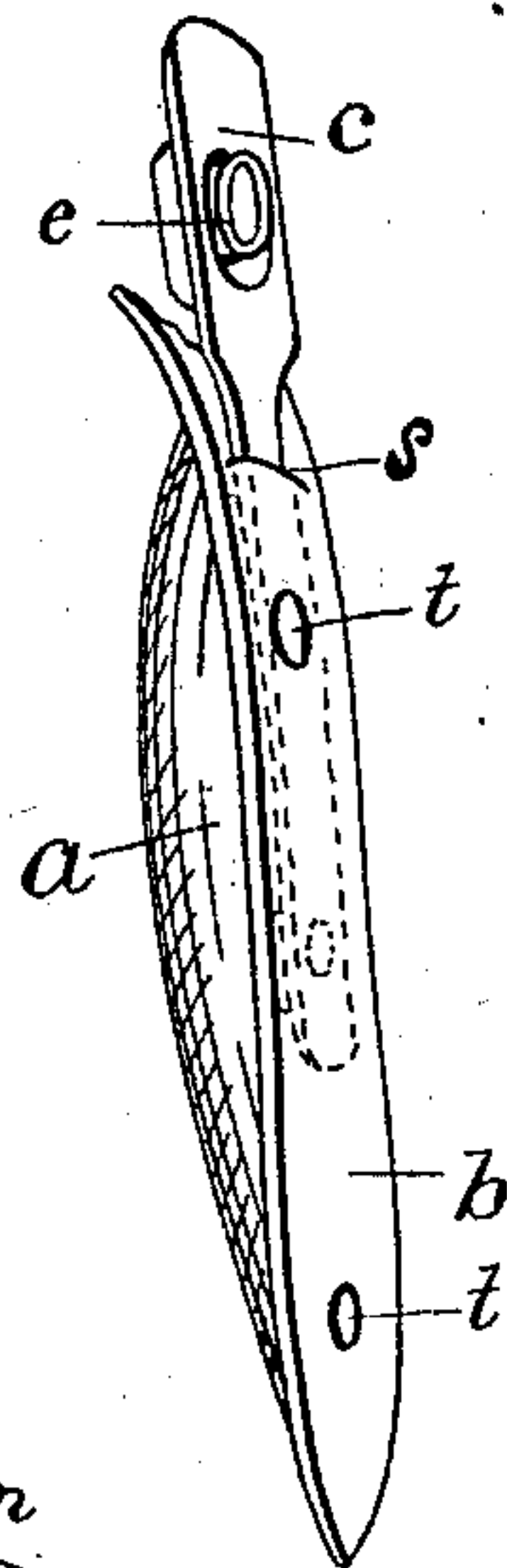


Fig. 3.

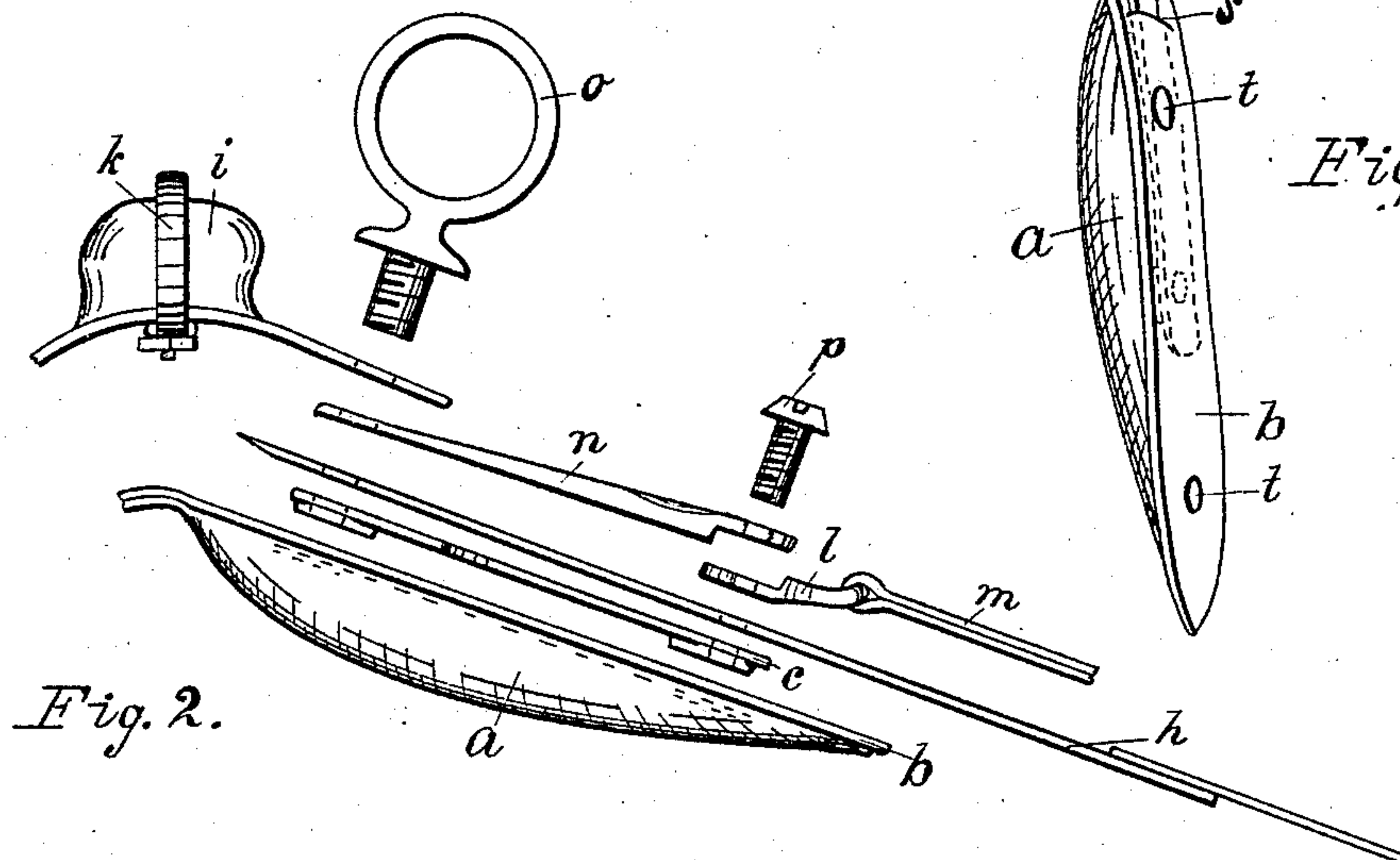


Fig. 2.

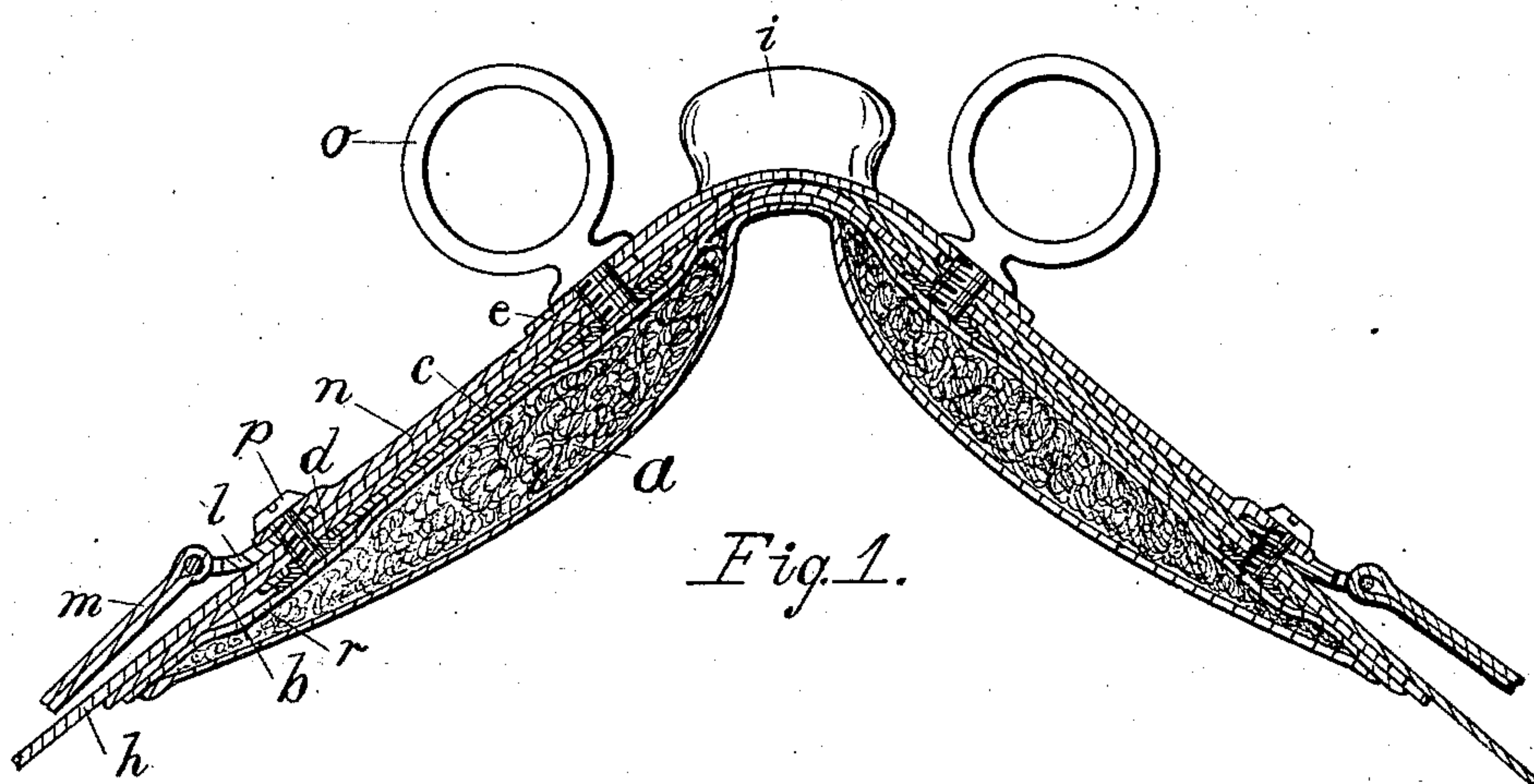


Fig. 1.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH B. SULGROVE, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO MARY L. SULGROVE, OF SAME PLACE.

HARNESS-SADDLE.

SPECIFICATION forming part of Letters Patent No. 285,177, dated September 18, 1883.

Application filed April 21, 1883. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH B. SULGROVE, a citizen of the United States, residing at Indianapolis, in the county of Marion, State of Indiana, have invented a new and useful Improvement in Harness-Saddles, of which the following is a specification.

My invention relates to improvements in harness-saddles, whereby the several parts may be easily separated and put together by a person unskilled in the art of harness-making.

My object is to provide a harness-saddle in which the pad is not formed on the skirt or on the saddle, but on a separate and independent back or housing, and which is especially adapted to receive the nut-plate carrying nuts for the terrets and loop-studs which fasten the several parts together.

The accompanying drawings illustrate my invention.

Figure 1 represents a vertical section of my saddle. Fig. 2 is an elevation of the several parts forming one half of the saddle. Fig. 3 is a perspective view of one of the pads. Fig. 4 is a view of the under side of the nut-plate and nuts.

Like letters refer to the same parts in all figures.

The pad *a* is made upon and stitched to an independent back, *b*. Said back is designed to be ornamental in form and appearance, and forms a neat housing. It may be made of leather or any other suitable material. Between the hair or other material forming the filling of the pad and the back *b*, I interpose a false backing, *r*, of pasteboard or other cheap material of like nature, the purpose being to keep the filling of the pad from interfering with the insertion of the nut-plate *c*. Said nut-plate is a thin strip of metal perforated to receive the central portions of nuts *d* and *e*, and having on its under surface flanges *f f*, which engage the wings *g g*, ordinarily found on terret-nuts, and thereby prevent the nuts from turning.

h is the saddle-skirt; *i*, the saddle-tree; *k*, the check-rein hook; *l*, a metallic swinging loop, to which the shaft-holder strap *m* is at-

tached; *n*, a metallic bar connecting the saddle-tree with the loop *l*; *o*, the terret, and *p* the loop-stud.

In assembling the several parts forming my above-described saddle, the nuts to receive the threaded shanks of the terret and loop-stud are first inserted in plate *c*, being simply laid in place, but not fastened to the plate. The plate *c*, carrying the nuts, is now inserted through a slit, *s*, in between the back *b* and the false back *r*. Holes *t t* are made in *b*, corresponding with the nuts in plate *c*. The skirt *h*, having corresponding holes, is now laid upon back *b*, bar *n* is laid on the skirt, and the saddle-tree *i* on top of the bar, and the whole fastened together by inserting the threaded shank of the terret through all and screwing it into the nut *e*. Loop *l* is now put in place and stud *p* passed through the parts and screwed into nut *d*. The above description of one side or half of the saddle applies also to the other side. The several parts may now be easily separated for repairs or cleaning, and put together by one unskilled in the art of harness-making.

When the owner of a saddle of this description wishes to change the trimmings, it is only necessary for him to unscrew the terrets and loop-studs, separate the pads from the rest, and withdraw the plates *c*, and change the nuts of the new trimmings for the old, and, replacing the several parts, screw in the new trimmings.

I do not claim, broadly, a saddle having removable nuts or interchangeable mountings, as such a saddle is well known.

I claim as my invention—

In a harness-saddle, the combination, substantially as specified, of the following elements, namely: a pair of saddle-pads formed upon a housing separate from the saddle-tree and skirts, said housing provided with the slit *s* at each side, for the purpose specified, and having the interior false backing, *r*, and a pair of removable nut-plates, *c*, perforated as specified, and provided with flanges *f f*, for the purpose set forth.

JOSEPH B. SULGROVE.

Witnesses:

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