

A. TEAS.
 Harness Saddle-Tree.

Patented Aug. 17, 1875.

No. 166,907.

Fig. 1.

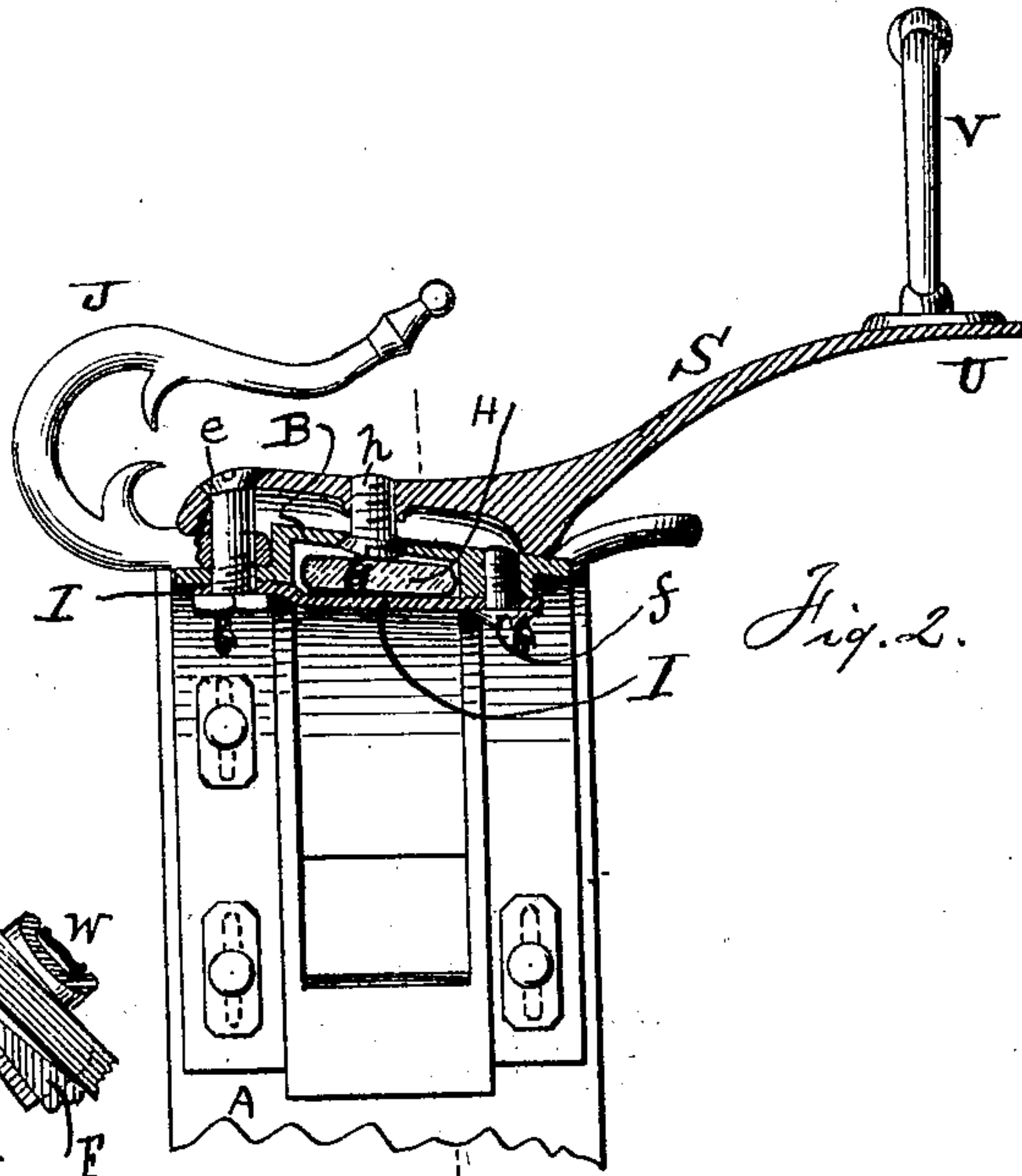
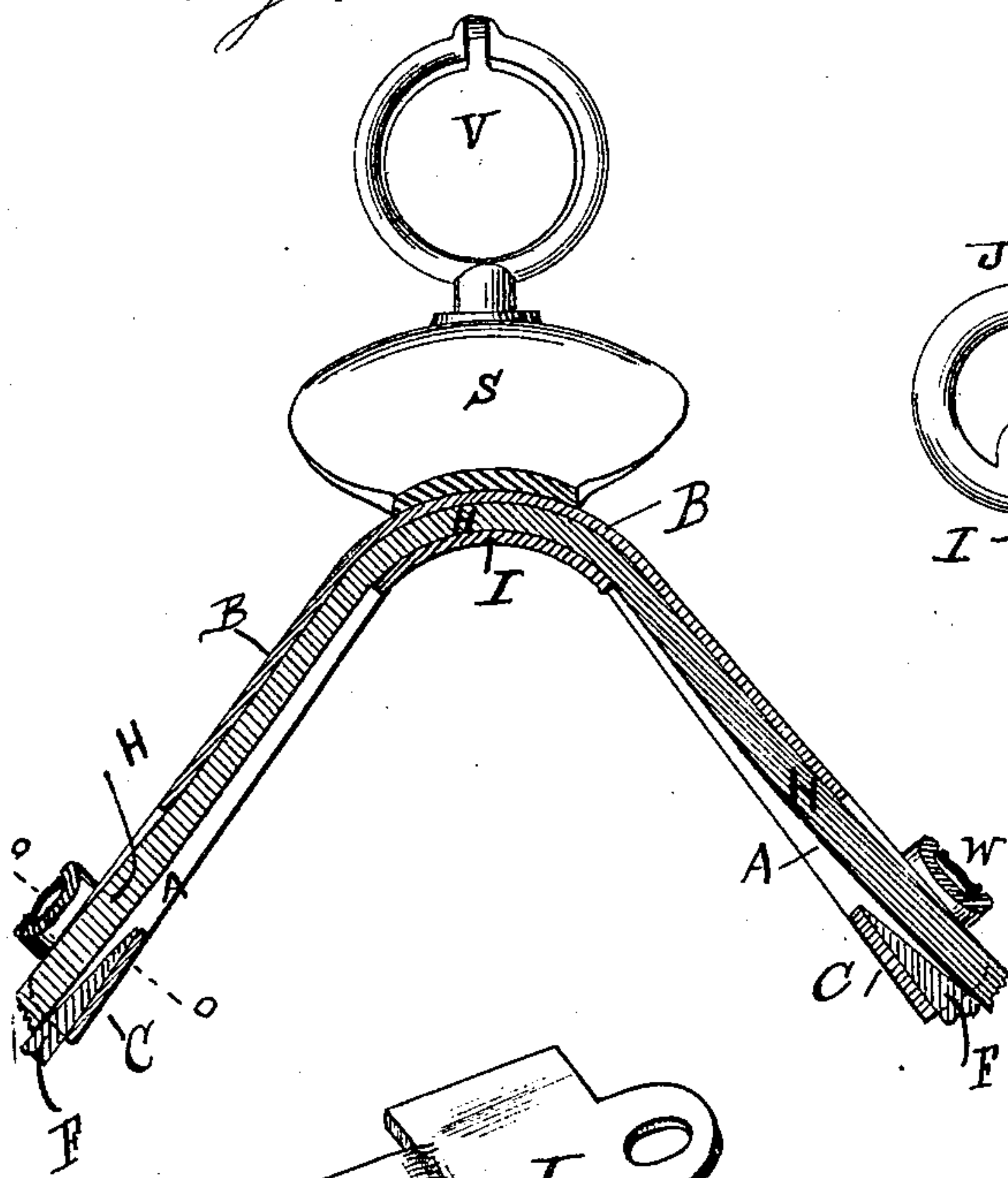


Fig. 2.

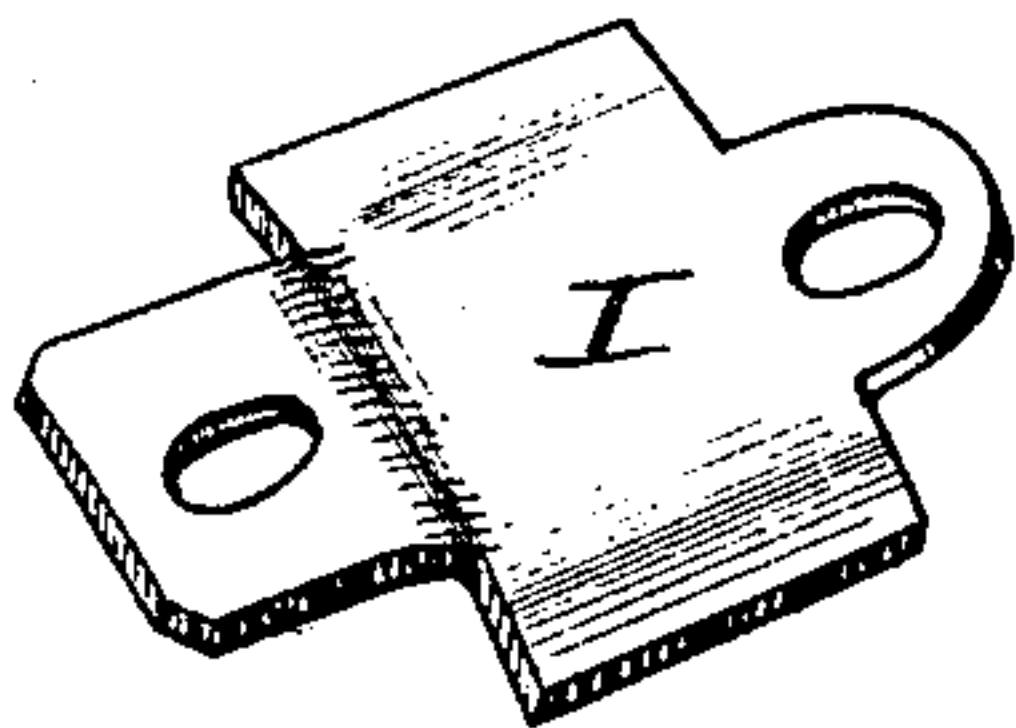


Fig. 6.

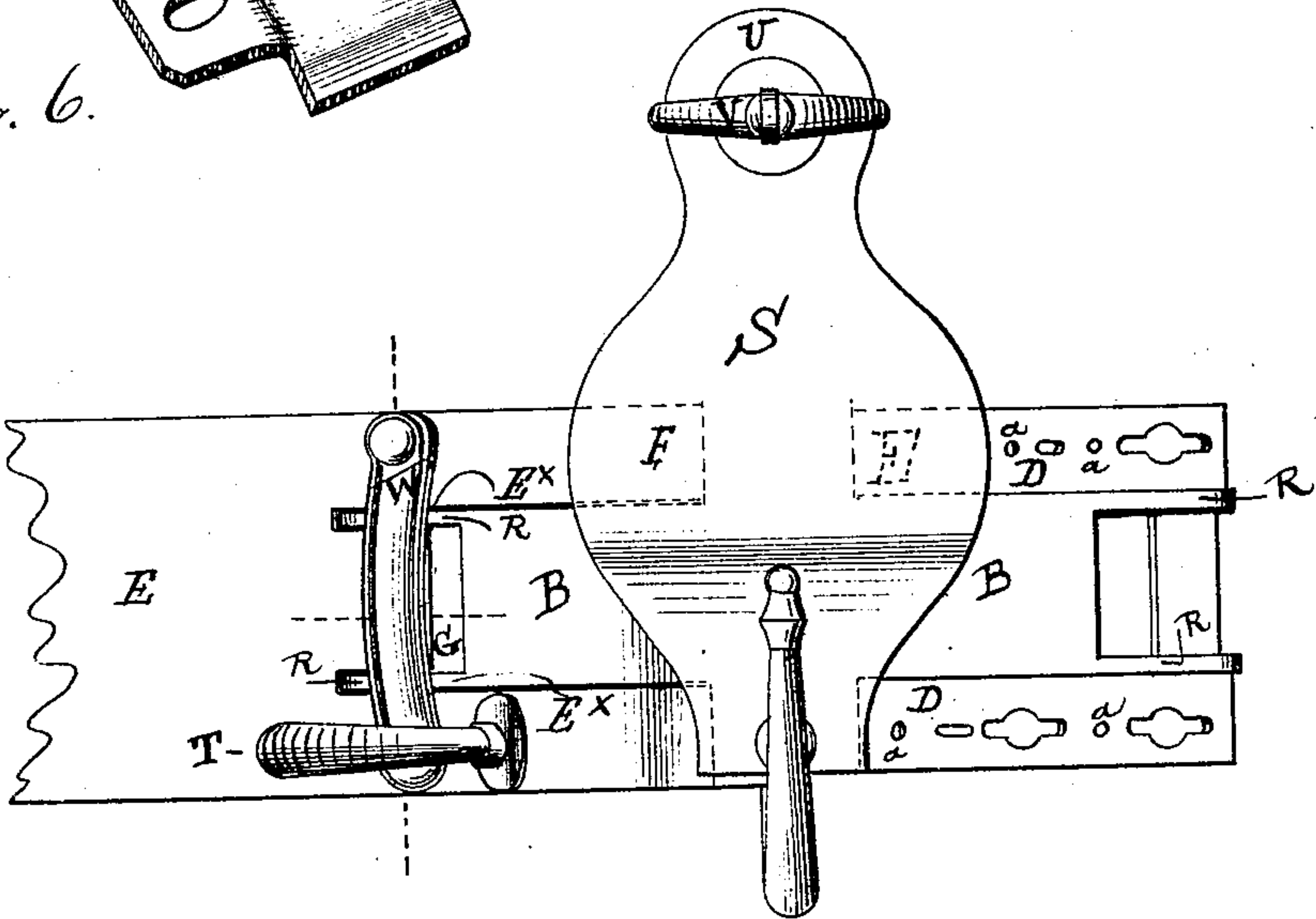


Fig. 3.

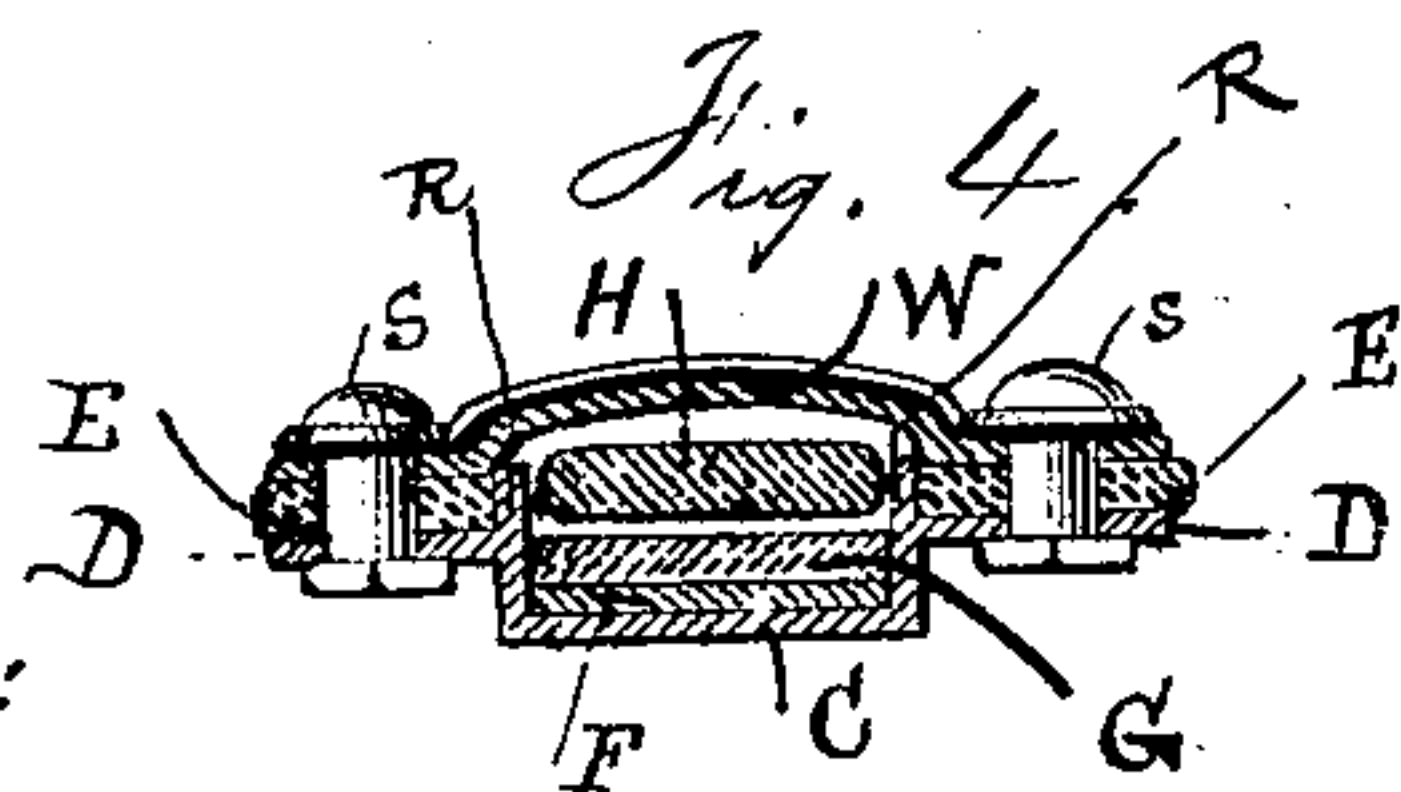


Fig. 4.

Fig. 5.



Witnesses:
 John Lee
 W. A. Myer

Andrew Teas,
 by atty, J. C. Clayton

UNITED STATES PATENT OFFICE

ANDREW TEAS, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN HARNESS SADDLE-TREES.

Specification forming part of Letters Patent No. **166,907**, dated August 17, 1875; application filed June 5, 1875.

To all whom it may concern:

Be it known that I, ANDREW TEAS, of Newark, in the county of Essex and in the State of New Jersey, have invented certain new and useful Improvements in Saddle-Trees; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings forming a part of this specification.

Figure 1 is a transverse vertical section. Fig. 2 is a longitudinal vertical section. Fig. 3 is a plan view. Figs. 4 and 5 are details, showing the ornamental bridge. Fig. 6 is a view of the sunken bridge, which carries the backband.

My invention relates chiefly to that class of saddle-trees, known as "coupé-trees," and is an improvement upon the invention shown in my Letters Patent, dated October 28, 1873. The main frame of my new tree is substantially the same as shown in said previous invention, with some alterations and additions, which are chiefly as follows: a sunken bridge under the arch of the tree for carrying the running backband; an ornamental bridge a little below the terrets, serving to guide the backband, and by means of its screws to secure the flap; extending the cantle of the seat, in combination with a fly-terret, or other ornament; providing the lower upper surface of the ends of the trees with guiding-ribs to separate the backband and inner edges of the flap.

In the drawing, A is the main frame of the cast-metal saddle-tree, having the raised arch B, which gives strength, as shown in said previous patent. C is the bottom or sunken recess at the lower ends of the tree. D are the flanges extending out on both sides of arch B and recess C, and to which the flaps E are attached, by tacks or otherwise, through holes *a*. F is the stiffener. G is the tongue of the flap. H is the backband. I is the movable sunken bridge, secured under and concentric with the crown of arch B for carrying the running backband G. Bridge I is provided with two holes for screws, and is secured at the front by a screw-bolt, *e*, which passes through bridge I, flange D, water-hook J, and seat S, securing these several parts to-

gether. Another screw, *f*, secures the rear end of bridge I to a part of arch B. *h* is a screw passing up from center of arch B into the seat S to secure it in position. T is a terret. U is an extension of the cantle, and V is a fly-terret or bells, or terret for tandem reins. W is the ornamental bridge, composed of metal and leather, or of other ornamental style, and set below the terrets on the flap over backband and tongue, and held in place by two screws, *s*, which pass through the skirt and tree into screw-nuts, and thereby secure the bridge in place. The bridge W operates to prevent the displacement of the backband. R R are guide-ribs, extending above flanges D, in continuation from and at the level of lower part of arch B, as shown in Figs. 3 and 4. When flap E is in place the tongue fits between these ribs R, and passes under lower part of arch B; and the backband H also runs between these ribs R. The ends of the flaps, as shown at E^x, Fig. 3, fit snugly against the outside of ribs R. The upper surfaces of the flaps are flush with the arch B, so as to leave a smooth finish, and dispense with the necessity of a jockey. The cheapness, simplicity, and strength of my improved tree, and its mode of operation, are so obvious as to need no further description.

What I claim is—

1. The removable bridge I, constructed and operating substantially as and for the purposes set forth.

2. In a jockey-saddle, the removable bridge W secured to the lower end of the tree to hold the skirt and backband in place, as herein described.

3. Seat S, provided with extension U, in combination with terret V, or bells, substantially as and for the purposes set forth.

In testimony that I claim the above-described improvements in saddle-trees, I have hereunto signed my name this 15th day of May, 1875.

ANDREW TEAS.

Witnesses:

S. HOWELL JONES,
JOHN W. ORLAND.