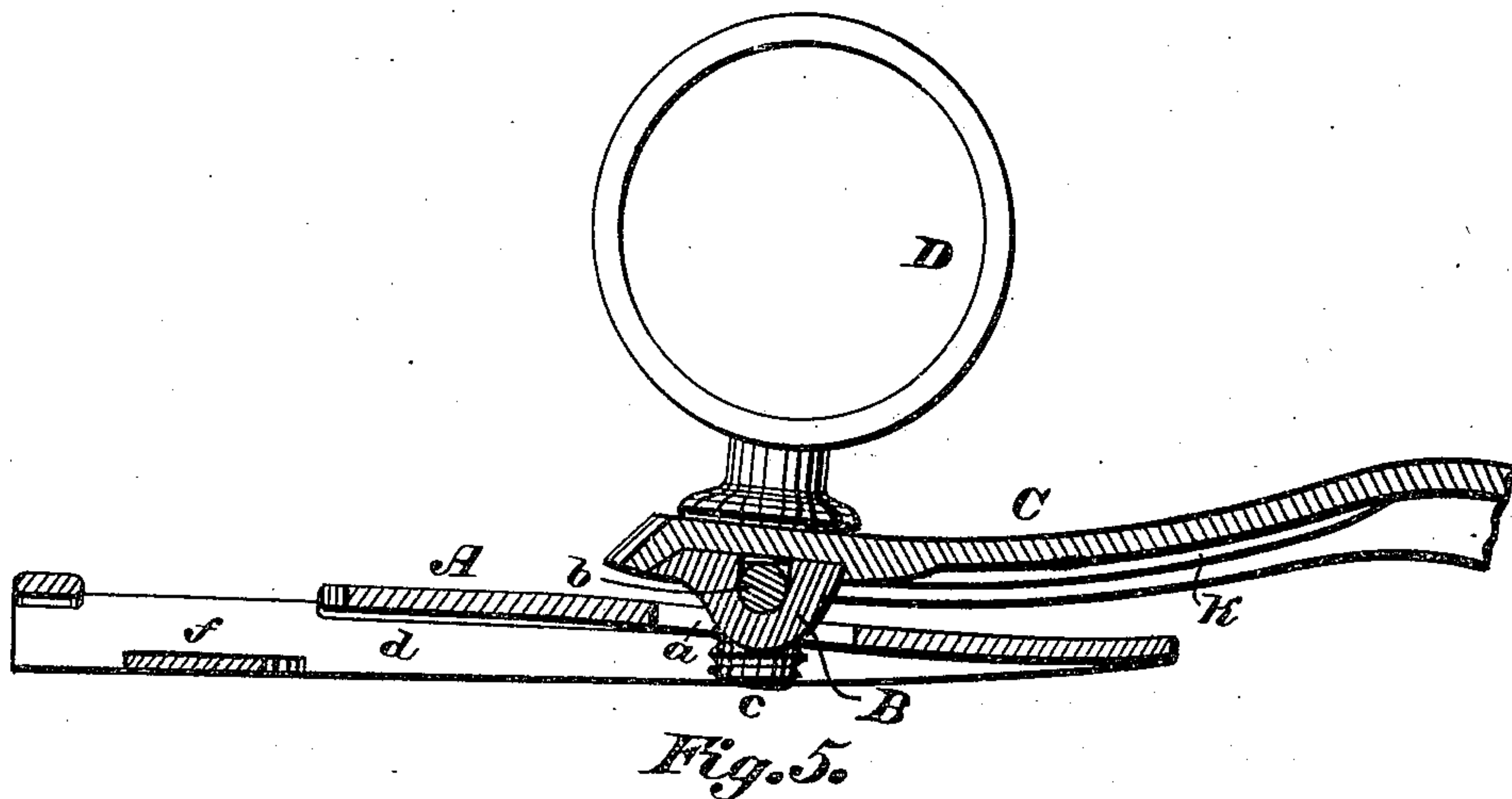
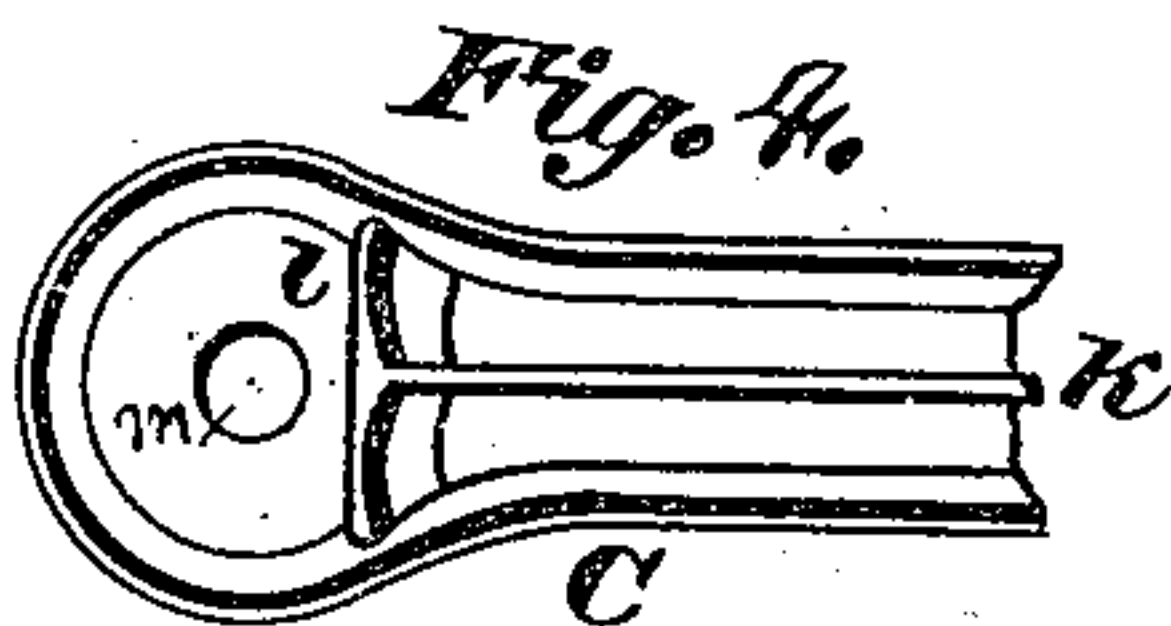
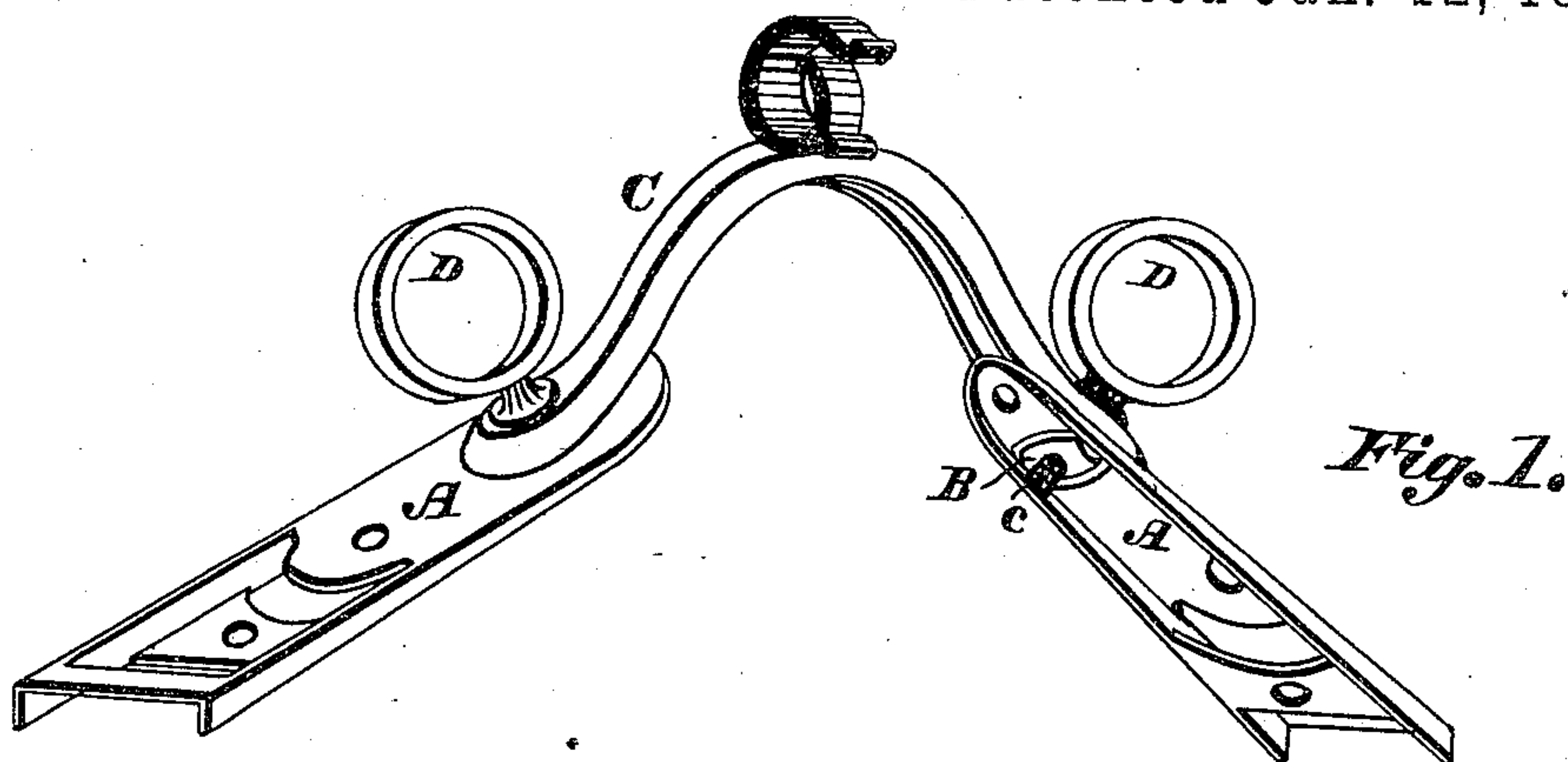


(No Model.)

A. GILLIAM.
HARNESS SADDLE.

No. 334,116.

Patented Jan. 12, 1886:



WITNESSES:

A. C. Sommer
Chas. R. Miller

Algernon Gilliam INVENTOR

BY

W. K. Miller

ATTORNEY

UNITED STATES PATENT OFFICE.

ALGERNON GILLIAM, OF CANTON, OHIO.

HARNESS-SADDLE.

SPECIFICATION forming part of Letters Patent No. 334,116, dated January 12, 1886.

Application filed July 10, 1885. Serial No. 171,224. (No model.)

To all whom it may concern:

Be it known that I, ALGERNON GILLIAM, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Harness-Saddles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to an improvement in harness-saddles.

The object of my invention is to provide means by which the jockey-plate may have a yielding connection with the yoke and an improved construction of the hinge by which the jockey-plate is connected to the yoke.

It also relates to forms by which a small amount of metal is required, and yet secure the necessary strength and durability.

With these objects in view my invention relates to certain features of construction and combination of parts, hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 represents an elevation of my improved saddle, showing the parts in normal position. Fig. 2 is a perspective of the jockey-plate, showing the top and side. Fig. 3 is a perspective of the clamping-nut. Fig. 4 is an end section of the saddle tree or yoke, showing the under side; and Fig. 5 is a longitudinal sectional view showing the parts in working position.

A represents the jockey-plate, perforated, as shown by letter *a*, Fig. 2, and provided with trunnions *b b*, integral with and projecting from the plate on each side of the perforation, and converging on a line central to each and terminating at a point, leaving space between the projecting ends of the trunnions for the passage of the threaded shank *c* of the terret D.

The ribs *d d* stiffen the plate, and in conjunction with the cross-plate *f* form the loop or hollow for the reception of the skirts, which may be fastened to the plate by bolts or other appliances through the perforation *g*. The threaded nut B, Fig. 3, is provided with recesses *h h*, for the reception of the trunnions *b b*. These recesses are central to but do not extend into the threaded aperture of the nut, but are separated by a dividing-wall, *i*. The

nut is also provided with a lip, J, for a purpose hereinafter explained.

Fig. 4 represents an end section of the tree or yoke C, concaved on its underside, and provided with a longitudinal supporting rib, *k*, and a transverse rib or shoulder, *l*, as a support for the threaded nut B, and also a perforation, *m*, to receive the shank *c* of the terret D.

By passing the nut B up through the perforation *a* in the plate A, the lip J passing out over the plate at J', the trunnions *b b* resting in the recesses *h h*, and then turning in the threaded shank *c* of the terret D the parts will be brought into position, as shown in Fig. 5, one side of the nut resting against the shoulder formed by the rib *l*, the other side resting against the circular under side of the end of the yoke, and in this locked position forming a rigid connection of the nut with the yoke C. The short trunnions resting in the socket form a hinged connection of the jockey with the yoke. By this arrangement of parts a light yet strong and durable hinge-connection may be made between the jockey-plate and the yoke, and the initial cost reduced.

Having thus fully described the nature and object of my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a harness-saddle, the combination, with the jockey-plates, each having an opening therein, and trunnions projecting inwardly from opposite sides of said openings, of the nuts having laterally-projecting recessed ends adapted to take under the trunnions, the yoke located above the jockey-plates, and the terrets passing through the yoke, jockey-plates, and nuts and securing them in position, substantially as set forth.

2. The combination, with a yoke concave on its under side, and provided with ribs *k* and *l* and the perforation *m*, of the nuts secured to jockey-plates and connected to the yoke, substantially as set forth.

In testimony whereof I have hereunto set my hand this 8th day of July, A. D. 1885.

ALGERNON GILLIAM.

Witnesses:

CHAS. R. MILLER,
W. K. MILLER.