

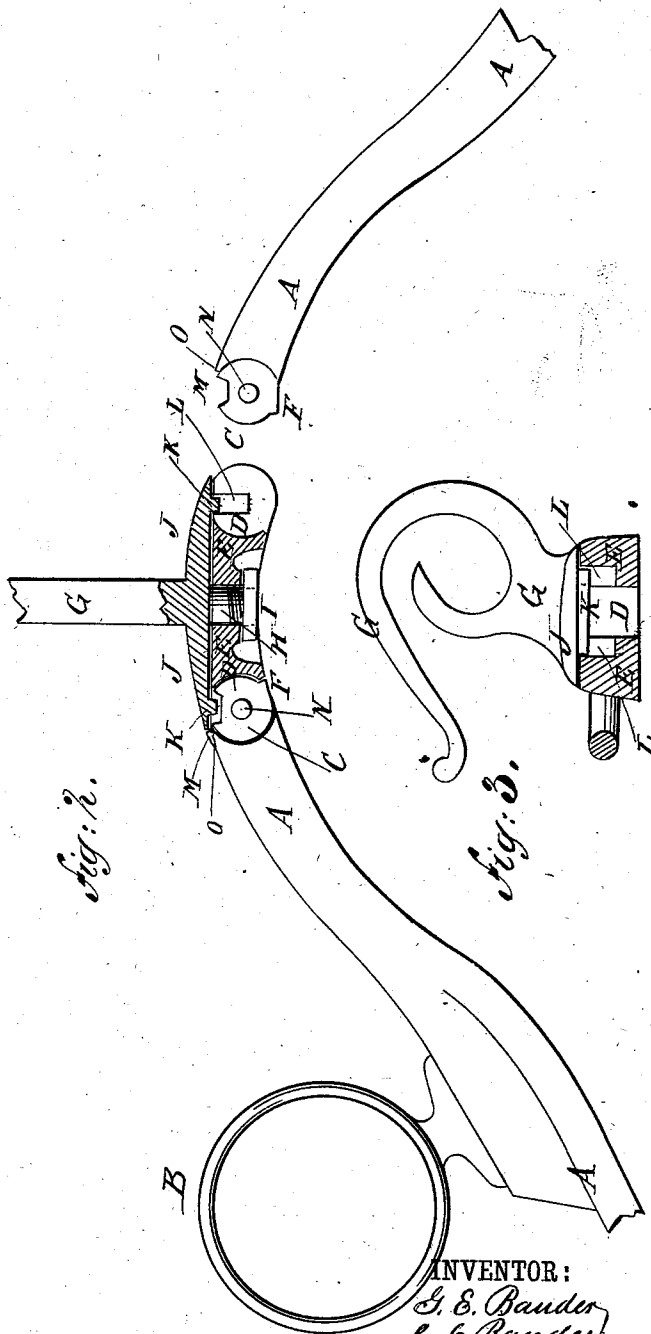
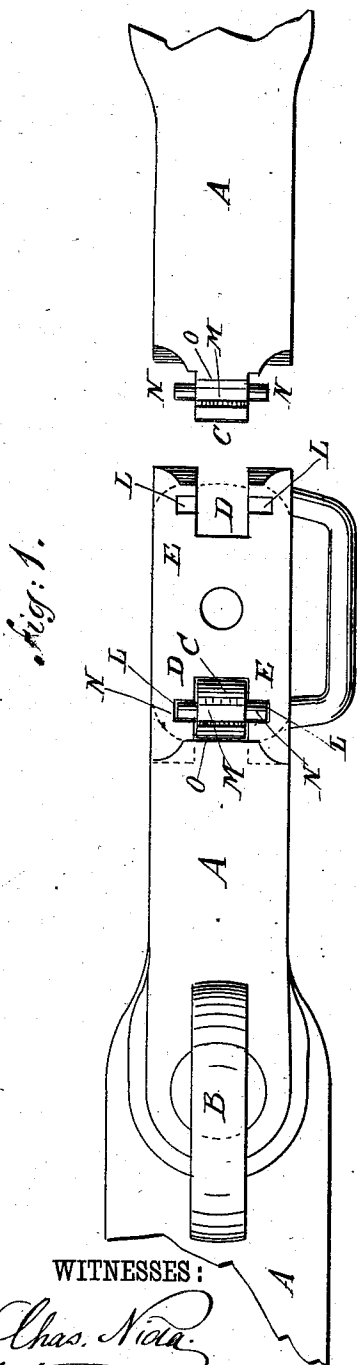
(Model.)

G. E. & C. C. BAUDER.

HARNESS SADDLE.

No. 259,793

Patented June 20, 1882.



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UNITED STATES PATENT OFFICE.

GEORGE E. BAUDER AND CHARLES C. BAUDER, OF BONAPARTE, IOWA.

HARNESS-SADDLE.

SPECIFICATION forming part of Letters Patent No. 259,793, dated June 20, 1882.

Application filed November 10, 1881. (Model.)

To all whom it may concern:

Be it known that we, GEORGE EDGAR BAUDER and CHARLES CHRISTY BAUDER, of Bonaparte, in the county of Van Buren and State of Iowa, have invented a new and useful Improvement in Self-Adjusting Saddle-Trees for Harness, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of our improvement, the water-hook and its base-plate being removed and one side part being detached. Fig. 2 is a rear elevation of the same, partly in section. Fig. 3 is a sectional side elevation of the same.

This invention relates to that class of harness saddle-trees that are adjustable to different-sized horses, and has for its object to make the saddle-trees adjustable and guard against the saddle-trees pinching or otherwise injuring the backs of the horses.

A represents the side parts or pieces of the tree, to which the housings and pads are secured in the ordinary manner, and to which the terrets B are secured.

Upon the inner ends of the side pieces, A, are formed tenons C, the ends of which are rounded off, and which fit into mortises D in the ends of the center piece, E. Upon the lower side of each of the tenons C is formed a shoulder, F, to strike against the center piece, E, at the lower side of the mortise D, to prevent the outer ends of the side pieces, A, from dropping downward and inward too far.

G is the water-hook, the screw H of which passes through the center piece, E, and has a nut, I, screwed upon its lower end. The side pieces, A, being jointed to the center piece, E, and the nut I requiring to be screwed on the bolt after said bolt is passed through the said center piece, each side piece has its separate pad arranged preferably in its concavity. Otherwise the lining or padding will require to be cut in order to unscrew the nut I and remove the water-hook.

Upon the shank of the water-hook G is formed a base-plate, J, which overlaps the mortises D and the tenons C, and serves as a cap-plate to cover and protect the said mortises and tenons. Upon the lower side of the end parts of the plate J are formed cross-ribs K, which enter the upper ends of the grooves L, formed in the center piece, E, at the opposite sides of the mortises D. The middle parts of the ribs K enter grooves M in the upper sides of the tenons C. The grooves M are made wider than the thickness of the ribs K, so that the side pieces, A, will have sufficient play to allow them to adjust themselves to the backs of horses of different sizes. The side pieces, A, are hinged to the center piece, E, by pins M passing through or formed upon the tenons C, and the ends of which enter and work in the grooves L of the center piece, E.

With this construction the parts of the saddle-tree will be securely connected to each other in such a manner that they cannot pinch or otherwise injure the back of a horse in adjusting themselves to the said horse, as the center piece, E, prevents the inner ends of the side pieces from moving inward.

Upon the upper side of the inner edge of each of the side pieces, A, at the base of the tenon C, is formed a shoulder, O, which strikes against the end of the cap-plate J, and thus limits the outward movements of the said side pieces, A.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

In a saddle-tree, the combination, with the center piece, E, having slots D and grooves L, and the side pieces, A, having tenons C, cross-pins N, and grooves M, of the cap-plate J, having ribs K, substantially as herein shown and described, whereby the hinging connections of the center piece and side pieces are covered and protected, as set forth.

GEORGE EDGAR BAUDER.

CHARLES CHRISTY BAUDER.

Witnesses:

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