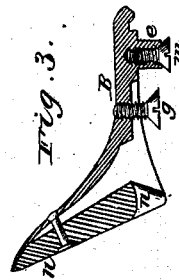
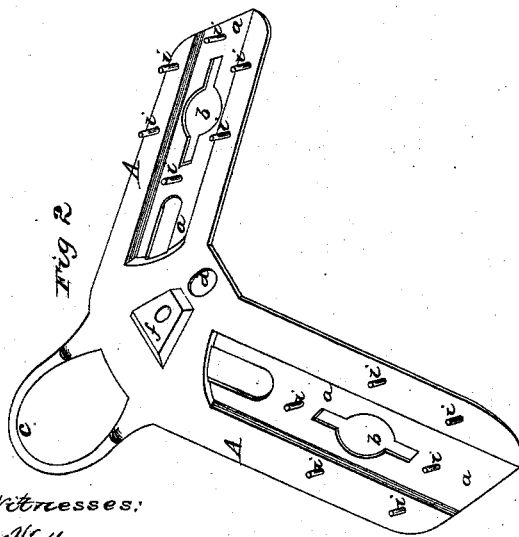
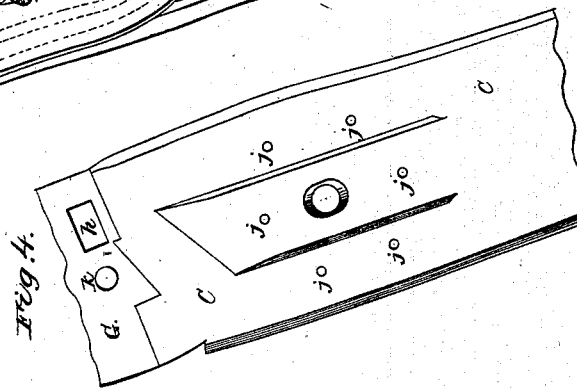
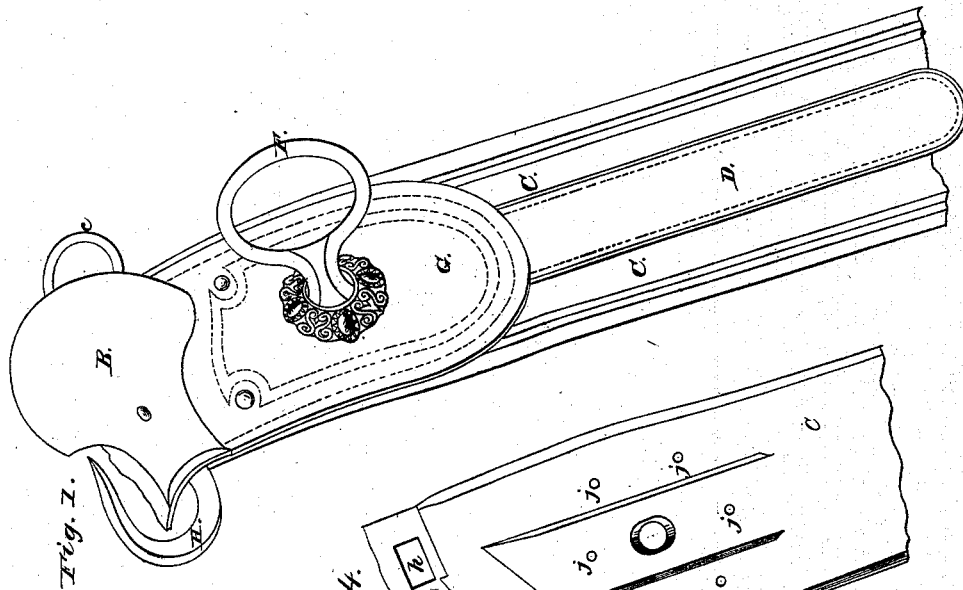


# O. B. North, Harness Saddle.

N<sup>o</sup> 47,244.

Patented Apr. 11, 1865.



Witnesses:  
N. H. Hallow  
Thos. J. Chamberlain

Inventor:  
O. B. North,  
By atty. A. B. Stoughton.

# UNITED STATES PATENT OFFICE.

OLIVER B. NORTH, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO O. B. NORTH & CO., OF SAME PLACE.

## IMPROVEMENT IN HARNESS-SADDLES.

Specification forming part of Letters Patent No. 47,244, dated April 11, 1865.

*To all whom it may concern:*

Be it known that I, OLIVER B. NORTH, of the city and county of New Haven, and State of Connecticut, have invented certain new and useful improvements in harness saddletrees and in the manner of mounting and trimming the same; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a perspective view of one side of a harness-saddle as mounted and complete. Fig. 2 represents the frame of the saddle. Fig. 3 represents a section through the seat thereof, and Fig. 4 represents a view from the under or inner side of the skirt to show the holes therein for fastening it to the frame.

Similar letters of reference where they occur denote like parts.

My invention consists, first, in casting on or with the frame of the saddle-tree pins or studs for holding or aiding to hold and fasten the skirts, jockeys, or backbands thereto, and also in casting with or on the under side of the seat which makes a part of the saddle-tree the bolt or projection by which it is fastened to the frame, and the same bolt or projection may answer to fasten the hook to the tree.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

The frame A may be of cast-iron or any other cast metal, and of such shape and form as may be preferred, my invention being applicable to any cast frame. A recess, *a*, is made on each side of the frame for the tug or back-strap to lie in. Holes *b* are left for the terret-shanks to pass through, though instead thereof terret-nuts may be cast on the frame to screw the terrets into. The crupper-loop *c* I have represented as cast upon the frame A. It may be made separately and riveted or otherwise fastened to the frame. A hole, *d*, is made through the frame for the bolt or projection *e*, cast on the under side of the seat B, to pass through, and a recess is made underneath the portion *f* for the head of the screw

*g*, which passes through the frame into the seat, to enter. Upon the frame I cast a series of studs or pins, *i i i*, &c., and in the skirts C, I make a series of holes, *j j j*, &c., that will admit the studs or pins, and when the terrets F are passed through they hold the skirts firmly to the frame by the aid of said pins and holes. The tug-straps D may be held by the shanks of the terrets, or pins may be used to hold them in whole or in part. When a back-strap is used, it may pass underneath the top portion of the frame in the usual well-known manner, and pins may be cast on the under portion of the top part of the frame, or elsewhere, to hold said back-strap or to aid in holding it. The skirts C are stitched to the jockey G, and the jockey is held to the frame or tree by the projection *e*, which passes through the hole *h* in the jockey, and by the screw *g*, which passes up through the hole *k* therein. The shank of the hook H may have an opening in it that will fit over the projection or flush-bolt *e*, and the screw *m*, when inserted from below, not only holds the seat and frame together, but in doing so also holds the hook H and aids in holding the jockey G. If found desirable there may be pins or studs cast in or on the frame to hold or aid in holding the jockeys to the tree. The seat B is represented as partially filled with wood *n* or other soft material. The purpose of this is that the covering of the seat (if covered) may be tacked to the wood, but the seat may be of metal entirely and japanned, plated, or otherwise finished, and the wood is unnecessary then.

The usual way of putting the jockeys, skirts, and tug-straps on is first to nail the skirts and tug-straps to the frame, or rivet them on, and then to sew the jockeys to the skirts. This is very troublesome and by no means neat, as the nail or rivet heads draw the mounting down and give it a rough appearance. By my mode I can sew the jockeys to the skirts before they are attached to the frame, and besides I can take the whole apart for repairs without any trouble, or the parts may be put together by any one, as the studs or pins are uniform in all frames of a certain, or each, class. The bolt or projection *e* does not, as I have shown, rise above the seat. It

may be desirable with some that it should do so for the purpose of ornament. This may readily be done without changing the character of the invention. And though I have described the pins or studs as cast with the frame, which I prefer to do, yet I regard them as my invention, however they may be placed or fastened there.

Having thus fully described my invention, what I claim therein as new, and desire to secure by Letters Patent, is—

1. The use of studs or pins upon the frame for the purpose of holding or of aiding to hold the skirts, jockeys, back or tug straps of the harness thereto, substantially as described.

2. Casting the bolt or projection *e* on the under side of the seat, as and for the purpose herein described.

O. B. NORTH.

Witnesses:

A. B. STOUGHTON,  
EDM. F. BROWN.