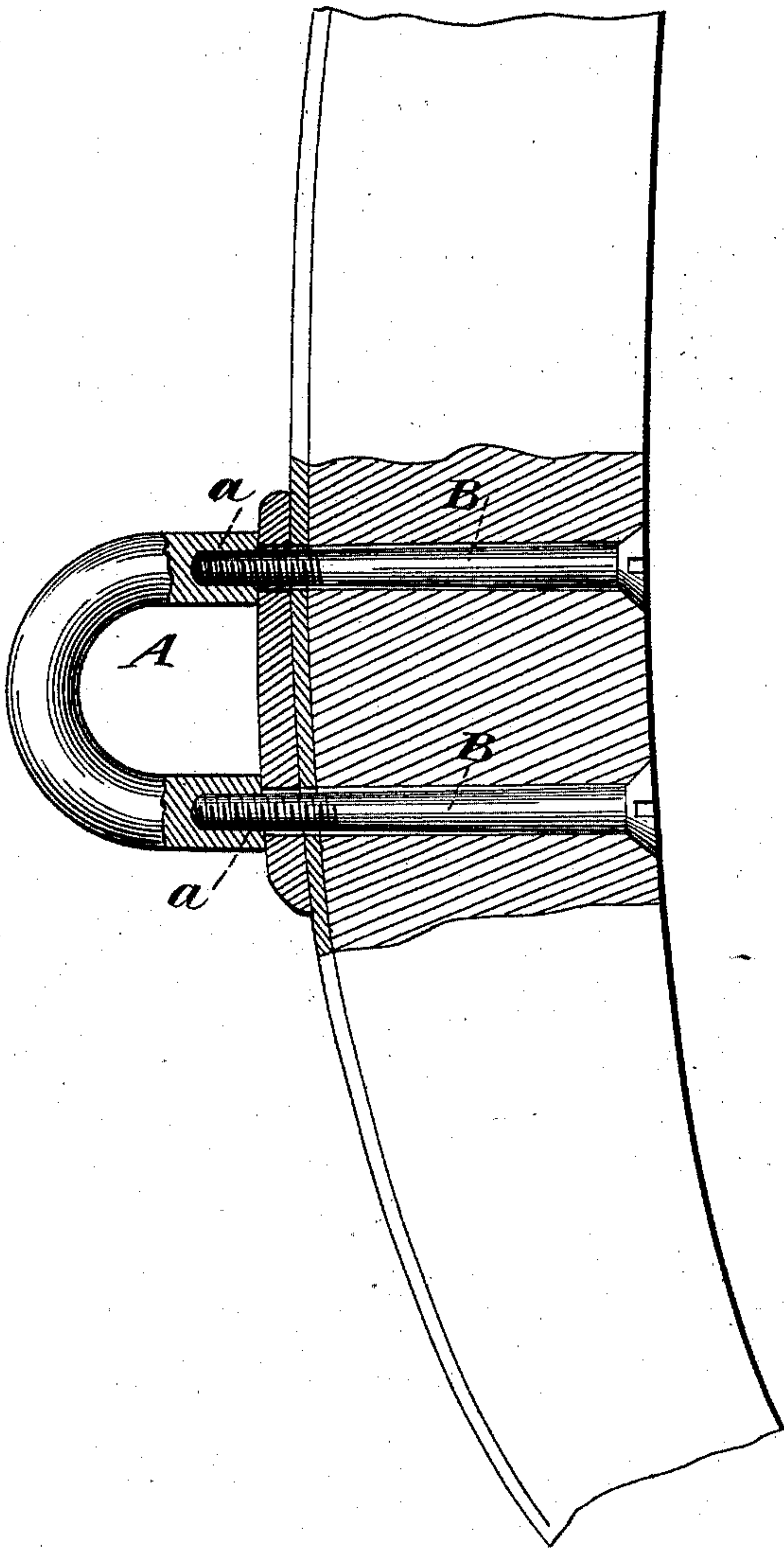


(No Model.)

P. W. CORCORAN.
HAME STAPLE.

No. 442,105.

Patented Dec. 9, 1890.



Witnesses.

A. Ruppert,

H. A. Daniels,

Inventor.

Patrick W. Corcoran

Per
Thomas P. Simpson
Att'y

UNITED STATES PATENT OFFICE.

PATRICK W. CORCORAN, OF SENECA, ILLINOIS.

HAME-STAPLE.

SPECIFICATION forming part of Letters Patent No. 442,105, dated December 9, 1890.

Application filed August 25, 1890. Serial No. 362,921. (No model.)

To all whom it may concern:

Be it known that I, PATRICK W. CORCORAN, a citizen of the United States, residing at Seneca, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Hame-Staples; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The special object of the invention is to fasten the ends of a hame-staple without riveting or "upsetting" them in the usual way.

The figure of the drawing is an elevation showing the staple provided with a nut at each end thereof and also a screw.

In the drawing, A represents the staple, and B B the screws, which work in the end nuts *a a*. It will readily be perceived that I may make both nuts in the ends of the staple and the two screws separate. The screws have the usual nicks in the head, and are countersunk on the inside of the hame so as to prevent friction on the horse's neck.

By this form of construction there is ob-

tained a great advantage over the old method of riveting or upsetting the ends of the staple after it has been passed through the hame, this advantage consisting in the facility with which the staple may be removed without injury and used afterward, or may be replaced if it should be broken or damaged in any way.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A hame-staple having an interior thread in the end of each leg, in combination with two headed bolts exteriorly threaded on the ends and passing through the hame from the inside to the outside thereof, the said bolt-heads being countersunk in the inside of hame, as and for the purpose described.

In testimony whereof I have affixed my signature in presence of two witnesses

PATRICK W. CORCORAN.

Witnesses:

JOEL W. ELLIS,
WM. V. GRAVES.