

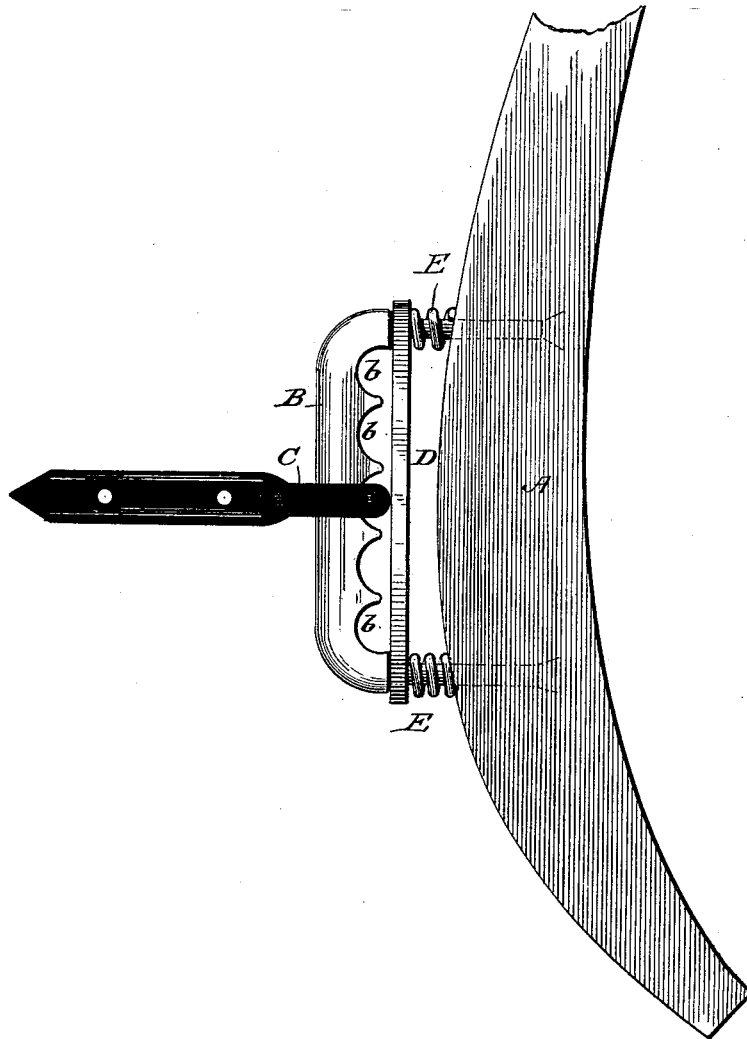
(No Model.)

W. T. STEARNS.

HAME.

No. 386,615.

Patented July 24, 1888.



WITNESSES:

Fred G. Dieterich.
John A. Kemmer.

INVENTOR.

Wm. T. Stearns.

BY

Munn & Co.

ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM T. STEARNS, OF GETTYSBURG, ASSIGNOR OF ONE-THIRD TO
RICHARD H. WOOD, OF LEBANON, DAKOTA TERRITORY.

HAME.

SPECIFICATION forming part of Letters Patent No. 386,615, dated July 24, 1888.

Application filed May 29, 1888. Serial No. 275,461. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. STEARNS, of Gettysburg, in the county of Potter and Territory of Dakota, have invented a new and useful Improvement in Hame-Staples, of which the following is a specification.

My invention is in the nature of a staple designed to be attached to the hames of a harness for the purpose of connecting the eye of the trace-tug thereto in an adjustable manner, so as to permit the point of connection to be raised or lowered; and it consists in a staple having along its length open seats for said eye to rest in, in combination with a bar guided upon the end sections of the staple and forced toward the seats by spiral springs, so as to hold the eye in any one of the seats in which it may be adjusted.

The figure is a front elevation of one of the hames with my improved staple and trace-tug eye attached.

A is the hame, B is the staple, and C is the trace-tug eye. The staple has its end firmly fastened in the hame by bolts, rivets, or otherwise, and its middle portion, parallel with the hames, is formed into a series of notches, *b*, forming seats, into any one of which the eye C may rest.

D is a metal bar of the same length as the staple, and having perforations in its ends, through which the ends of the staple are passed before being secured in the hame. Just behind

this bar and wound upon the end sections of the staple are spiral springs E E, of metal, which bear against the hame and force the bar D outwardly toward the seats in the staple. Now when the eye C of the trace-tug is desired to be placed higher or lower it is placed in any one of the seats in the staple, and the bar D passing thereagainst, from the tension of its springs holds the eye to its position in that seat, so that it cannot drop therefrom.

This invention is adapted to ordinary harness, and may be used in connection with any trace-eye.

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

1. The combination, with a hame, of a staple having notches or seats for the tug-eye, and a spring-actuated bar guided upon the legs of the staple and pressing outwardly toward said seats, substantially as shown and described.

2. The combination, with a hame, of a staple, B, having a series of notches or seats, *b*, the spring-actuated bar D, having openings at its end, through which the ends of the staples pass, and spiral springs E E wound upon the legs of the staple between the spring-bar D and the hame, substantially as shown and described.

WILLIAM T. STEARNS.

Witnesses:

RICHARD H. WOOD,
ELLA R. WOOD.