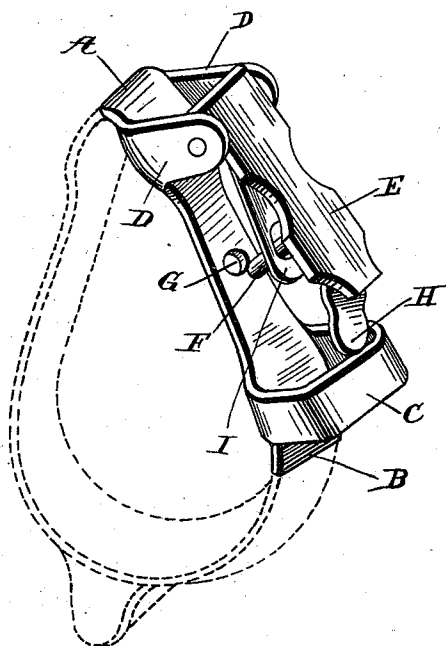


(No Model.)

H. L. NORRIS.
HARNESS BUCKLE.

No. 402,272.

Patented Apr. 30, 1889.



WITNESSES.

George P. Cressy
Richmond P. Corbett,

INVENTOR.

Henry L. Norris
per D. M. Small,
his atty.

UNITED STATES PATENT OFFICE.

HENRY L. NORRIS, OF PROVIDENCE, RHODE ISLAND.

HARNESS-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 402,272, dated April 30, 1889.

Application filed September 12, 1888. Serial No. 285,215. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. NORRIS, of the city and county of Providence, in the State of Rhode Island, have invented an Improved
5 Harness-Buckle particularly adapted to securing the back-band to thill-tugs and traces to breast-plate or hames, my object being a safe and convenient device which can be adjusted more readily than the ordinary buckle,
10 especially when the leather is stiff and hard.

In the accompanying drawing, which forms a part of this specification, A B represent the base of my device, with loop C and ears D D secured thereto or made an integral part
15 thereof.

E is a flat plate hinged to upper part of the ears D D, and having a tongue, F, which passes perpendicularly through one of the holes in the back-band or trace, the end of the
20 tongue being supported by a projection on the base or by entering a hole, G, therein, as represented.

H is a button secured to the plate E and free to swing under the loop C to keep the
25 tongue from being jolted out of the hole G, and I is a spring for pressing on the back-band or trace, which passes beneath between plate E and base A B, to hold this button close

to the under side of loop C, and thus prevent its accidentally turning.

The base of my buckle can be riveted or otherwise secured to breast-plate or hames, as desired, as it also can be to any ordinary lug or thill-tug. It may also be made an integral part thereof, if desired, as indicated
30 by the dotted lines in the drawing.

I claim as my invention—

1. In a harness-buckle, the base A B, loop C, ears D D, plate E, with tongue F thereon, and a device for keeping the tongue in place,
40 all constructed and combined so as to operate substantially as set forth.

2. The combination of the base A B, loop C, ears D D, plate E, with tongue F thereon, button H, and spring I, all constructed and
45 combined so as to operate substantially as set forth.

3. In a harness-buckle, the base A B, loop C, ears D D, and plate E, with tongue F thereon, all constructed and combined so as to operate
50 substantially as set forth.

HENRY L. NORRIS.

Witnesses:

DEXTER M. SMALL,
RICHMOND P. EVERETT.