

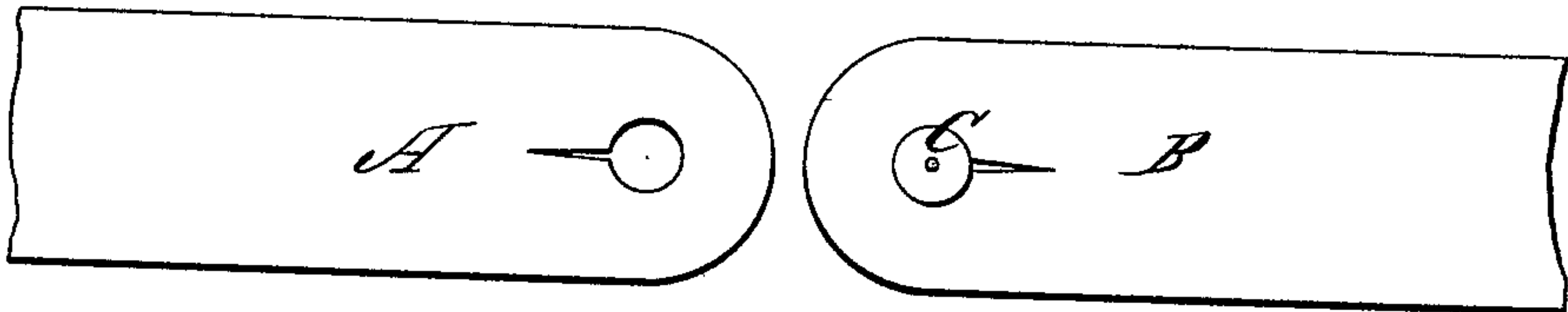
*L. C. Chase*

*Clasp.*

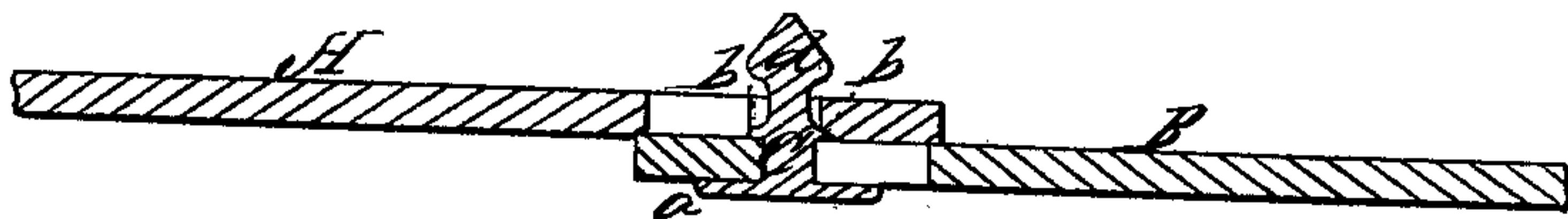
*N<sup>o</sup> 9,308.*

*Patented Jan. 15, 1869.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*Henry F. Chase  
J. H. Bullock*

*Inventor:*

*Loucius Chase*

# United States Patent Office.

LUCIUS C. CHASE, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 91,308, dated June 15, 1869.

## IMPROVED FASTENING FOR HAND-REINS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, LUCIUS C. CHASE, of Boston, in the county of Suffolk, and State of Massachusetts, have invented an Improved Fastening, to be used in lieu of the ordinary buckle for securing the ends of hand-reins together, and for other purposes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan of the ends of a pair of reins having my improved fastening applied thereto.

Figure 2 is a section through the centre of the same when united together.

This invention relates to an improved fastening for the ends of reins, and consists in uniting them together by means of a knob or stud of peculiar construction, which is to be used in lieu of the ordinary buckle heretofore employed for this purpose.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings—

A B represent the ends of a pair of hand-reins, in each of which is formed a circular opening, and a slit, the opening and slit in the end of the rein B being for the reception of a stud, C, of metal or other suitable material, provided with a broad circular base, *a*, and a flange, *b*, at or near its centre, which serve to hold the stud in place within the end of the rein, the distance of the base *a* from the flange *b* being carefully made to correspond to the thickness of the rein, in order that the base *a* may be kept snugly in contact therewith, thereby avoiding any possibility of catching in the "dee," while the diameter of the flange *b* is such as to allow of the stud being entirely removed, as is necessary if it should be desired to apply a "rein-holder" to the rein. This could not be done if the stud was permanently secured to the rein B by rivets or otherwise, or if an ordinary buckle was used to secure the ends of the reins together.

The upper end *d*, of the stud, is of the form seen in fig. 2, being rounded and bevelled on both sides, so as to admit of its readily passing in and out of the opening and slit in the rein A, when it is desired to secure

the ends of the reins together, as seen in fig. 2, or separate them, as seen in fig. 1.

Instead of the smaller end *d*, of the stud C, being of a circular form in cross-section, it may be made oblong, if preferred, and answer the same purpose. By the use of the above-described stud as a fastening, the reins may be easily untwisted without unfastening, by turning either one around the stud as a centre, a sufficient number of times to effect the desired end.

My improved method of fastening the ends of reins as described, prevents the necessity of cutting them away near the ends, as is usual where an ordinary buckle is used, and which tends to weaken the reins and render them more liable to bend and break at these points. This cutting away of the ends of the reins is necessary where a buckle is used as a fastening, so that the reins and buckle may be sufficiently narrow to pass easily through the "dee" of the saddle.

My improved method of fastening, as above described, allows the rein to be made of its full width to the extreme end, as seen in fig. 1, thereby saving the time and labor of cutting away the leather, or folding it down, as is the case in the buff hand-rein or folded hand-rein where buckles are used. This method of fastening is not intended to be confined to reins, as it may be used to advantage in other parts of saddles or harness; for instance, in bridles, or wherever buckles are now used, it being a much cheaper and neater fastening than a buckle, and equally as secure and reliable.

### Claim.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The within-described stud, when used as a substitute for a buckle in fastening reins and other parts of saddlery or harness, substantially as set forth.

2. Also, the stud C, in combination with the reins A B, when constructed substantially as described.

LUCIUS C. CHASE.

Witnesses:

HENRY F. CHASE,  
J. H. BURLEIGH.