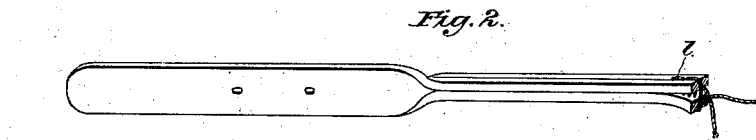
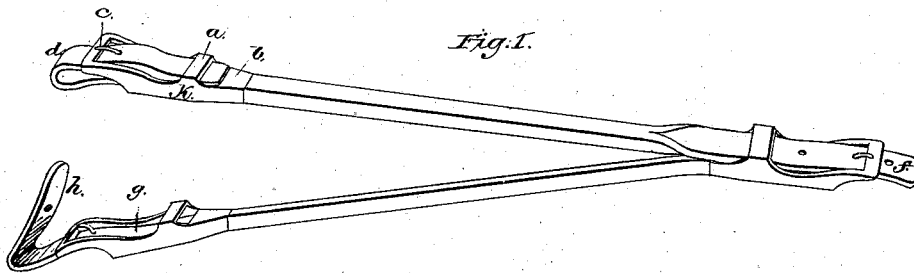


C. A. HAAS.
CHECK-REIN.

No. 191,957.

Patented June 12, 1877.



Attest:
J. T. Ruth
Adam Kehn

Inventor:
C. A. Haas

UNITED STATES PATENT OFFICE.

CHARLES A. HAAS, OF DELMAR, IOWA.

IMPROVEMENT IN CHECK-REINS.

Specification forming part of Letters Patent No. **191,957**, dated June 12, 1877; application filed January 6, 1877.

To all whom it may concern:

Be it known that I, CHARLES A. HAAS, of Delmar, in the county of Clinton and State of Iowa, have invented certain new and useful Improvements in Check-Reins and Buckles, of which the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a perspective view of my complete invention. Fig. 2 is a detail view, showing manner of forming the square check, and Fig. 3 is a perspective view of the buckle detached from the check.

Similar letters of reference occurring on the several figures indicate like parts.

My invention relates to an improved construction of check-reins and buckles for driving-lines, in which provision is made for forming the check of a square shape, and provided at each end with the ordinary billets, the whole being formed of one piece of leather and connected to the buckles without stitching or riveting, all as will be hereinafter more fully described and pointed out in the claim.

The square check is formed of a strip of leather of the desired length and about one inch wide, which is split through the center to its juncture with the billets *d*, and the two parts thus formed are doubled over upon each other and united by stitching or sewing, a groove or crease being cut on each side to receive the stitching, as shown at *l* in Fig. 2, thereby protecting the same from wear and exposure to the weather. The check thus formed, and having the billets *d* at each end, is arranged as shown in Fig. 1, and is con-

nected to the buckles *K* by doubling the billet *d* and pushing it through the square shank *b* of the buckle, and the billet being then spread or flattened out in the jaws of the buckle, as shown at *g*, so as to allow the tongue *c* to engage with the holes in the billet, secures the same in place. The billets *d* are attached to the ring or loop of the bit in the ordinary manner, and held by the tongue *c* and loop *a* of the buckle, as shown. The driving-line is connected to the check at the rear, as shown at *f*, Fig. 1.

It will be observed that, in the construction of the ordinary round or flat checks, the stitching or sewing is exposed to the wear of the rings on the harness, as also to the exposure of the weather, thereby soon ripping out, and, further, the same being connected to the buckles by stitching or sewing, is liable to tear off or split by constant wear. By means of my present improvements these defects are entirely obviated, inasmuch as the stitching in the square check is confined below the surface of the leather, and its connection with the buckles effected, as already described, without sewing or riveting, thereby producing a strong, durable, and effective check-rein.

Having thus described my invention, what I claim as new and useful is—

As an improved article of manufacture, a square check-rein constructed as hereinbefore described, and combined with the buckle *K*, having the tubular end, substantially as and for the purpose specified.

C. A. HAAS.

Witnesses:

I. T. RUTH,
ADAM KEHN.