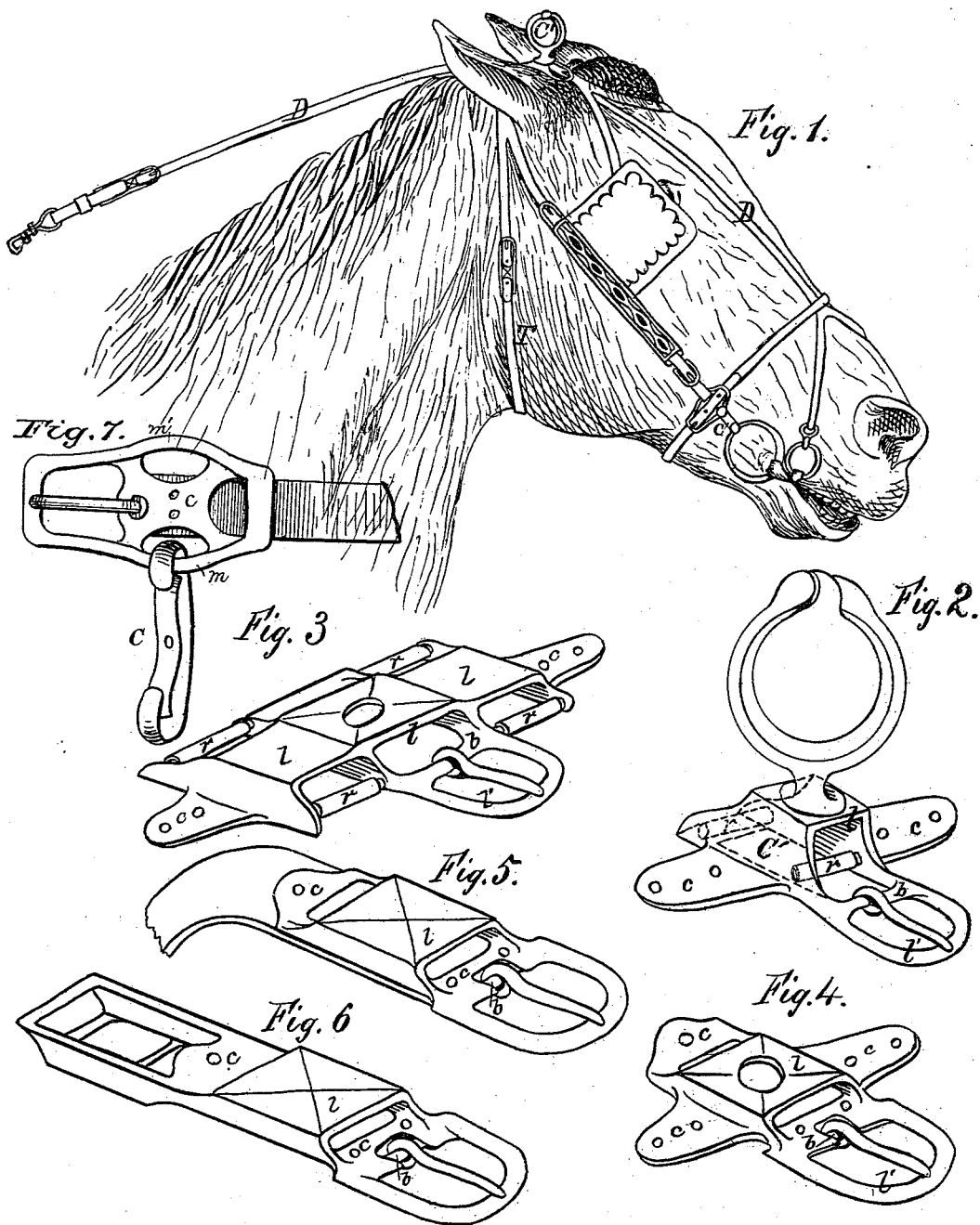


E. R. CAHOONE & N. TEAS.  
Bridles.

No. 212,130.

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WITNESSES.  
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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN BRIDLES.

Specification forming part of Letters Patent No. **212,130**, dated February 11, 1879; application filed December 9, 1878.

*To all whom it may concern:*

Be it known that we, EDWIN R. CAHOONE and NOBLE TEAS, of the city of Newark, in the State of New Jersey, have invented certain new and useful Improvements in Bridles, of which the following is a correct specification:

Our invention consists in certain improvements in harness-bridles, chiefly in the construction and arrangement of the buckles used thereon.

In the drawings similar characters refer to like parts.

Figure 1 is a view of a bridle, showing it applied to the head of a horse, and illustrating its operation. Fig. 2 is a view of a combined crown-buckle, showing the buckle with loop and rollers. Fig. 3 is a view of the same when three loops are used, with rollers under the two outside loops. Fig. 4 is a view of a combination crown-buckle when no rollers are used. Fig. 5 is a view of the throat-latch with buckles attached. Fig. 6 is a view of buckle on check-strap when the upper and lower loops are used. Fig. 7 is a view of the combination-buckle, which receives the check-strap and double snap for removing the bit from the horse's mouth to feed without removing the bridle.

The crown-piece C' of the bridle, Figs. 1 and 2, is provided with a buckle or buckles, according to the various designs required for the different kinds of bridles. These buckles are made with or without rollers, as may be desired, for ease in moving the straps, especially where the overdraw check is used. A buckle of this kind is shown in Fig. 2. It is made with one roller, *r*, in front, and one in the rear, (shown in dotted lines,) so as to admit of a single strap passing under the loop *l* and over the rollers, the loop being cast, as a part of the buckle, sufficiently high to receive the two straps. In the top of said loop a hole is made to receive the screw end of the fly-terret or other ornament.

At the front end of the buckle proper, *v*, is attached a cross-bar, *b*, to which the tongue is fastened, in the usual way, just above the rollers, and sufficiently high to allow the check-strap to rest easily without interference with

end part of the winker-strap, which also has to go under the loop.

Lips *c* are provided on each side of the loop *l*, so as to secure the complete buckle to the crown-piece. These lips are provided with holes, so as to be readily riveted or sewed to the crown-piece. The lips are covered, when desired, with leather on each side, extending a suitable distance on the crown-piece, cut, ornamented, and sewed on the crown-piece to stiffen it, as is customary.

When not needed for the running-check, the rollers are dispensed with, and the loop is not made as high, as shown in Fig. 4.

When needed for the split check, loops are cast on each side of the metal loop, as shown in Fig. 3, thus making a buckle with three loops, the two end loops being provided with rollers. The split check passes through the end loops, while the central loop receives the end of the winker-strap. This is a compound buckle, although our preference is for a single construction, as shown in Fig. 2.

The check-strap D in our improved bridle differs materially from the well-known Kimball and Jackson check, as it takes less leather, is not split at the crown, and passes directly over the head with free motion, and is fastened on the end of the piece that is secured in the check-hook by a buckle well adapted to the purpose. This buckle is a modification of the buckle used on the crown and shown in Fig. 2. It is fully illustrated in Fig. 6. This buckle has a loop below as well as above, and is cast in one piece, but without the lips shown in Figs. 2 and 3. It is secured to the strap through the holes made in it, front and rear. In this construction less leather is used, and much labor saved in manufacture.

The check is provided with a single strap, D, passing over the crown, instead of being split to go each side of a buckle. With this way of checking horses the mane of the horse is not disarranged or injured, and at the same time the construction is cheaper and better liked by horsemen.

The buckle shown in Figs. 1 and 7 on the lower end of the check-strap, by the use of double snap, C, allows the bit to be let down out of the horse's mouth, so that he can feed

without taking off the bridle or halter. This buckle is also provided with a side loop, *m*, to receive the double snap-hook, and a side loop, *m'*, to receive the end of the check, and answers the further purpose of fastening the nose-band end, one end of which is riveted to the perforated plate forming the under side of the buckle.

We are aware that bridles have heretofore been made to let the bit out from the horse's mouth; but we accomplish this result by means of the buckle shown in Fig. 7. In our improved bridle the throat-latch *T* has another modification of our buckle. This modification is constructed especially for use on a throat-latch. Its use saves about four inches of leather strap, also time and labor in its application. The construction of this buckle is fully shown in Fig. 5, where the throat-latch is riveted through holes in the under side or platform of the buckle.

Having thus described our invention, we claim as new and useful improvements on bridles—

1. A bridle having a crown-piece, throat-latch, and check-rein provided with buckles composed of portions *c*, having holes to receive fastening devices for securing such buckles in place, one or more loops, *l*, cast with

said buckles, a cross-bar, and a tongue attached to it, substantially as described.

2. A bridle having a crown-piece provided with a buckle having perforated attaching-lips, a loop, *l*, to which the fly-terret or ornament is attached, and a tongue and cross-bar, in combination with a check-rein, substantially as described.

3. A bridle having a crown-piece provided with a buckle constructed with one or more rollers, *r*, one or more loops, *l*, the tongue and its cross-bar, and attaching facilities, in combination with an overdraw check-rein, substantially as described.

4. A bridle having a nose-piece provided with the buckle, as shown, having side and end loops formed therewith, as and for the purpose specified.

5. A bridle having a single strap, overdraw check-rein divided for a short distance at one end to receive the bit, and adapted to be secured at its other end to the water-hook, substantially as described.

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