

(No Model.)

E. R. CAHOONE.

BACK BAND LOOP.

No. 384,423.

Patented June 12, 1888.

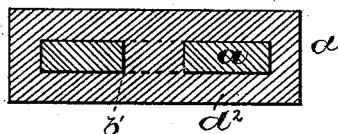
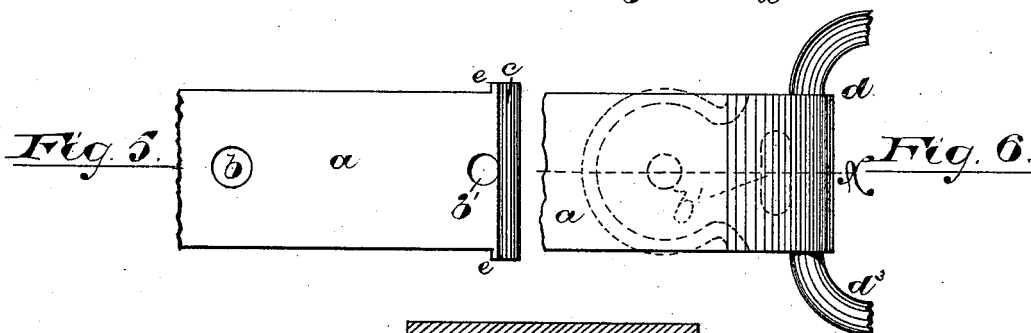
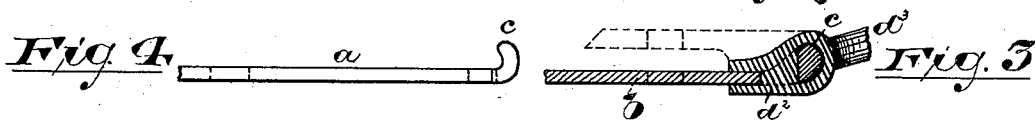
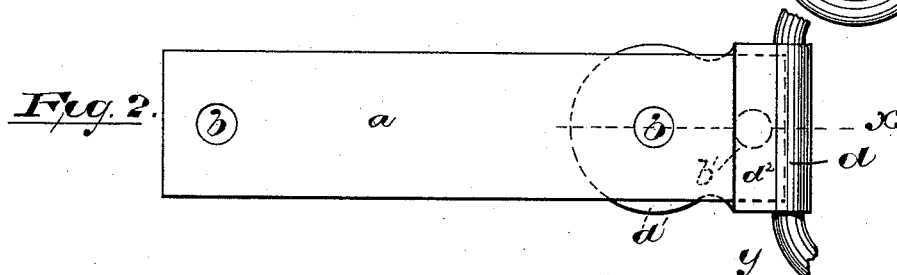
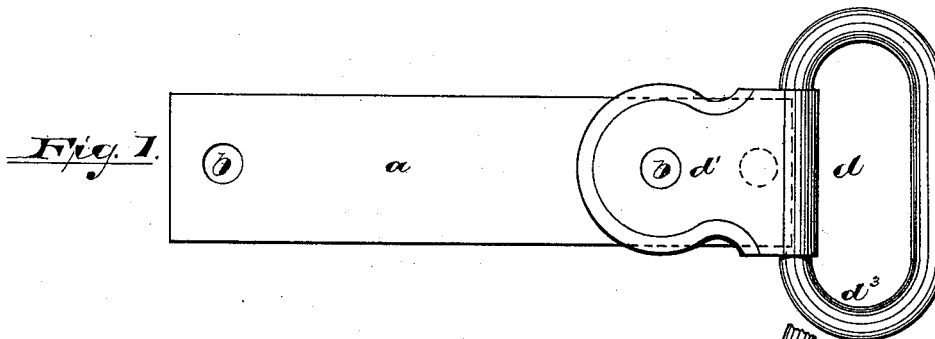


Fig. 7.

WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWIN R. CAHOONE, OF NEWARK, NEW JERSEY.

BACK-BAND LOOP.

SPECIFICATION forming part of Letters Patent No. 384,423, dated June 12, 1888.

Application filed March 29, 1888. Serial No. 268,823. (No model.)

To all whom it may concern:

Be it known that I, EDWIN R. CAHOONE, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Back-Band Loops for Harness; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of harness-loops for back-bands for saddles in which the strap or part which is covered by the leather part of the saddle is made of a cheaper or less expensive grade of metal—such as iron—and the exposed parts are of a higher or more ornamental grade of metal—such as brass, German silver, &c.—the object of the invention being to secure a more perfect union of said metal parts, whereby the strength and durability of the said loop will be greatly increased and the loop will be better adapted to co-operate with the other portions of the saddle, as hereinafter described.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a plan of the upper side of the improved harness-loop. Fig. 2 is a plan of the under side of the same. Fig. 3 is a sectional view of the same, taken on line X of Figs. 2 and 6, showing the loop with and without a certain plate. Fig. 4 is an edge view, and Fig. 5 a plan, of a strap adapted to be employed with the outer or exposed metal parts. Fig. 6 is a plan illustrating varied constructions. Fig. 7 is an enlarged section taken on line Y, and Fig. 8 is an edge view of a strap when the same is made flat.

In carrying out the invention I provide a strap, *a*, of ordinary iron, which is flat, and thus adapted to pass between the leather parts of the saddle in the ordinary manner, being provided with suitable holes, *b*, through which the terret and pad screws may be inserted. I prefer to bend the extremity of the said metal strap *a*, as shown in Figs. 3 and 4, whereby

an anchor or stop, *c*, is formed, whereby the said strap may be more securely held within the loop *d* and the said strap be prevented from moving laterally within or on said loop. The said anchor or stop may be formed, as indicated in Fig. 5, by extending the strap laterally, as at *e e*. The extensions *e e* may be formed on the flat strap shown in Fig. 8 or upon the bent strap shown in Fig. 3. Just back from the extremity the strap is perforated or slotted, as in Figs. 1, 2, 3, 5, and 7 at *b'*. The said strap *a* is then placed in a suitable mold, and around the extremity molten metal of a more ornamental quality is cast to form the loop-flange *d'*, and a downwardly-projecting bearing, *d''*, on the under side of the strap, the metal passing entirely around the end of the strap and through the perforations therein, and thus holding strap and loop firmly in place, so that there can be no working loose of the parts or withdrawal of one from the other, and all imperfect finishing occasioned by riveting and the cost of such riveting are entirely avoided.

By forming the bearing *d''* on the under side of the strap the said strap and loop are raised above the saddle part below, and thus it is unnecessary to form the loop projection *d'* at such an angle as heretofore; but the same may be brought more nearly in line with the strap, and thus the leverage on a loop is reduced and the said loop is less likely to be broken off by the draft thereon, as will be understood. Under some conditions I may dispense with the flange or plate, as indicated in Figs. 3 and 6.

By forming a bulb or turn on the end of the strap, as shown, I not only get additional strength in the loop, but said bulb forms a filling for the head of the loop, thus getting the effect of a quantity of expensive metal at but a comparatively small outlay of such metal.

By the construction above detailed the strap *a*, of iron, and the loop *d*, of a softer but more ornamental metal, are held more firmly together, and the device, as a whole, is thus rendered more durable; and because of the bearing *d''* and the straightening of the loop so as to bring it more nearly in line with the strap the leverage on the loop is reduced, as will be understood.

Having thus described the invention, what I claim as new is—

1. The improved back-band loop for harness herein described, combining a strap, *a*, and a loop, *d*, cast around the end thereof, said parts being arranged and combined substantially as and for the purposes set forth.

2. The improved back-band loop for harness, combining therein a strap, *a*, perforation *b*, and a cast loop, the metal of which surrounds the end of strap and passes through the perforation thereof, substantially as and for the purposes set forth.

3. The improved back-band loop for harness herein described, combining a strap bent or turned or provided with a stop at its extremity and a loop cast on and around said

bent or turned extremity, as and for the purposes set forth.

4. The improved back-band loop for harness, combining therein a strap, a loop having a flange, *d'*, and downwardly-projecting bearing *d*², formed integral with said loop, the said flange or plate being formed above said plate and away from the same, and said projecting bearing lying below said plate, substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 24th day of March, 1888.

E. R. CAHOONE.

Witnesses:

CHARLES H. PELL,

PHILIP G. VOEGTLEN.