

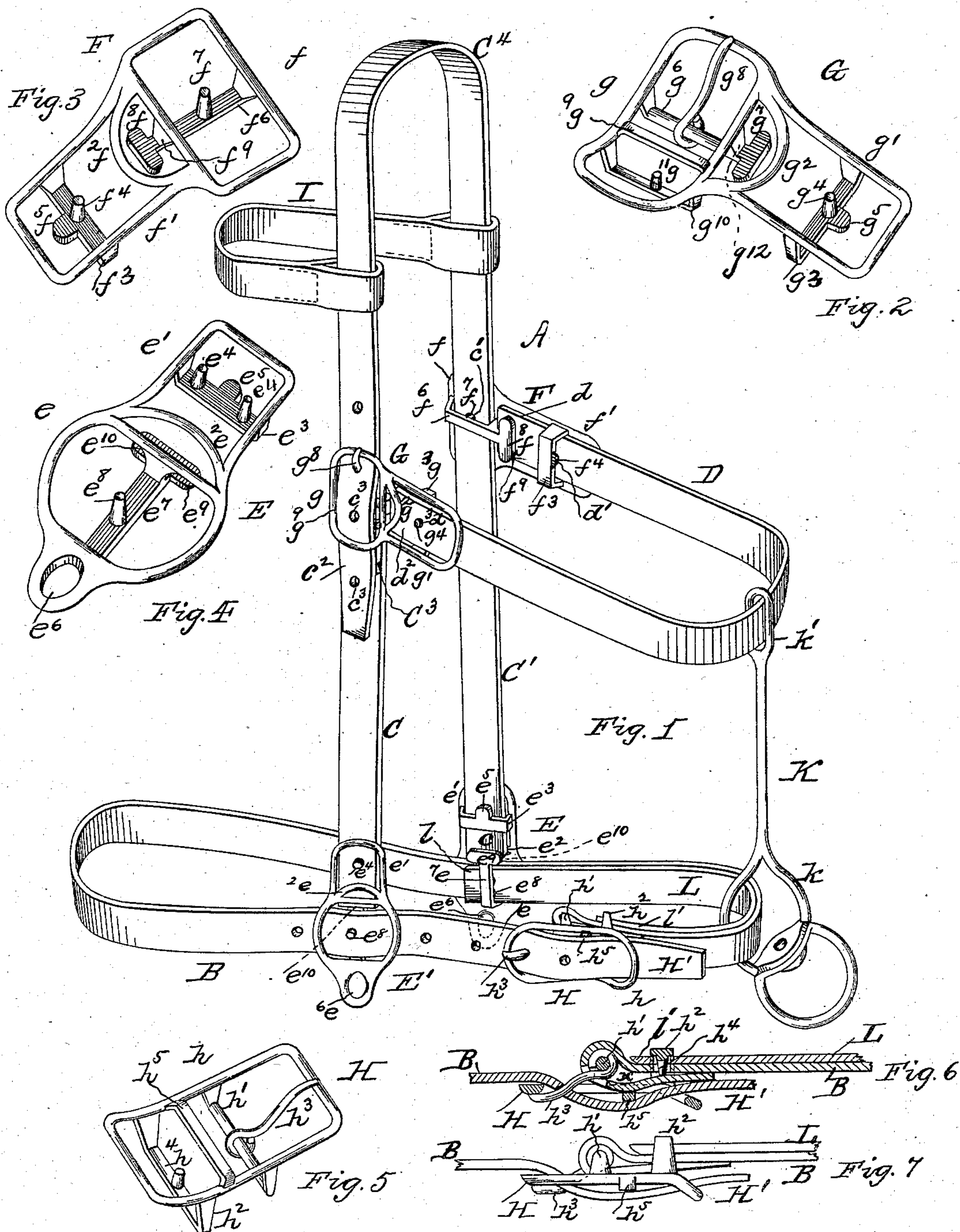
(No Model.)

2 Sheets—Sheet 1.

H. F. SMITH.
HALTER OR BRIDLE.

No. 258,325.

Patented May 23, 1882.



Witnesses:

W. H. Van Horn.

Charles Paramore

Inventor,
Henry F. Smith
By S. J. Vanstavoren
Attorney.

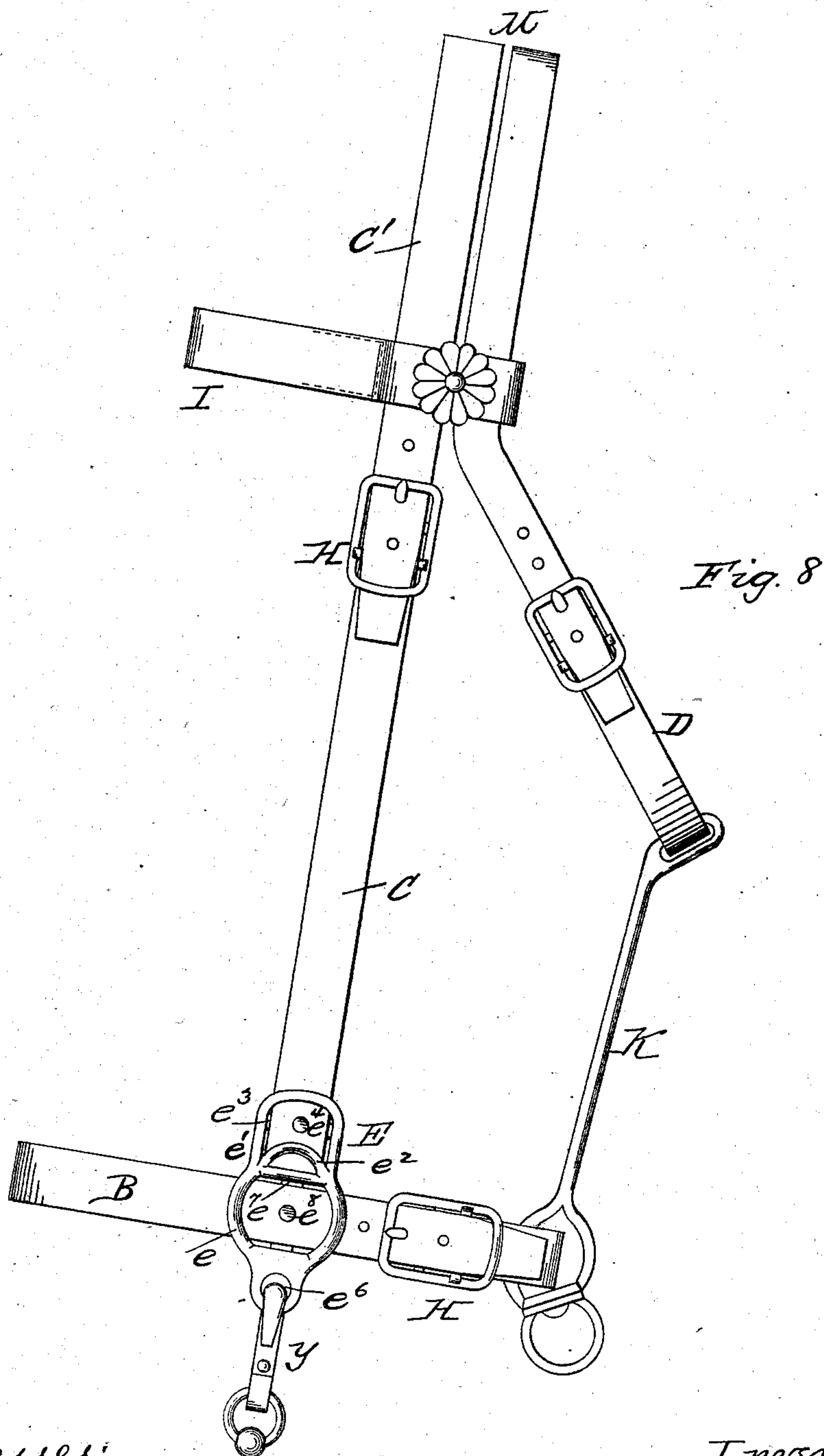
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UNITED STATES PATENT OFFICE.

HENRY F. SMITH, OF PHILADELPHIA, PENNSYLVANIA.

HALTER OR BRIDLE.

SPECIFICATION forming part of Letters Patent No. 258,325, dated May 23, 1882.

Application filed April 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY F. SMITH, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Halters or Bridles, of which the following is a specification, reference being had therein to the accompanying drawings, wherein—

10 Figure 1 is a perspective of a halter embodying my invention. Figs. 2, 3, 4, and 5 are perspectives of the various buckles used to unite the straps of the halter. Fig. 6 is a longitudinal vertical section of buckle H and 15 straps. Fig. 7 is an elevation of same, and Fig. 8 is an elevation of a bridle embodying my improvements.

My invention has for its object to provide a 20 bridle or halter the various component parts of which (save the brow-piece) are put together so as to dispense with stitching, riveting, or other similar ways of fastening, thereby producing a cheaper and superior article than has heretofore been made.

25 My invention consists of the novel combination, construction, and arrangement of the parts forming the halter or bridle.

Referring to the accompanying drawings, A represents a halter composed of chin-and-nose 30 strap B, cheek-straps C C', and neck-strap D; and E, E', F, G, and H are buckles for securing said parts together.

The buckles E E' are more plainly shown in Fig. 4, and consist of the ring part *e*, through 35 which passes the chin-and-nose strap B, and the rectangular part *e'*, in which are inserted the cheek-straps C C'. The part *e'* is formed with a curved or straight cross-bar, *e*²; and *e*³ is a depressed bar provided with one or more studs, 40 *e*⁴ *e*⁴, and a lug, *e*⁵. The ring part *e* is formed with an eye, *e*⁶, for attachment of the bit to form a bridle, as shown at *y*, Fig. 8, and has a depressed cross-bar, *e*⁷, provided with one or more studs, *e*⁸, and an enlarged projecting lip, 45 *e*⁹, coinciding with cross-bar *e*², to form a groove or recess, *e*¹⁰, for receiving the end of a strap and preventing it from curving by friction.

The buckle F is more fully shown in Fig. 3, and consists of two parts, *f f'*, the latter being 50 located at an angle to the former, as indicated. The part *f'* is formed with cross-bar *f*², de-

pressed bar *f*³, having stud or studs *f*⁴, and lug *f*⁵. The part *f* is formed with cross-bar *f*⁶, having stud or studs *f*⁷, and a lip, *f*⁸, which forms a groove or recess, *f*⁹, for the insertion 55 and protection of the end of the neck-strap.

The buckle G (plainly illustrated in Fig. 2) is composed of two parts or uniting frames, *g g'*, placed at an angle with each other. In the 60 part *g'* is inserted the remaining end of neck-strap D, and is formed with cross-bar *g*², depressed bar *g*³, having stud or studs *g*⁴, and lug *g*⁵. The part *g* is provided with depressed bar *g*⁶, having lip *g*⁷, which forms a groove, *g*¹², for the insertion of said end of the neck-strap, and 65 in addition thereto said part *g* is provided with another depressed bar, *g*¹⁰, carrying stud or studs *g*¹¹ and an elevated cross-bar, *g*⁹, which is located between said bars *g*⁶ and *g*¹⁰, as shown, the bar *g*⁶ also having a tongue, *g*⁸. 70

The buckle H, which is separately illustrated in Fig. 5, consists of but one part or frame, *h*, corresponding to part *g* of buckle G, and is 75 formed with depressed cross-bars *h'* *h*², the former carrying a swinging tongue, *h*³, and the latter a stud or studs, *h*⁴; and *h*⁵ is an elevated cross-bar forming part of frame *h*, and is situated between the cross-bars *h'* and *h*².

The halter or bridle is constructed, or its parts put together, in substantially the follow- 80 ing manner: The near or left side cheek-strap, C, engages at its lower end with the nose-buckle E', said end entering into the recess or groove *e*¹⁰, and held in place by stud *e*⁴ of said buckle, as shown in Fig. 1. The upper end of said 85 strap C is provided with a slot, so as to engage the tongue *g*⁸ of buckle G, and it encircles the bar *g*⁶, and the chape, or end C³ thereof, passes under the elevated bar *g*⁹, as illustrated at *x*, Fig. 6, for the strap B. 90

The off or right cheek-strap, C', is one continuous strap, forming the head-band C⁴ and billet C², having holes *c*³ to engage with the cheek-buckle G on the left or near side. The 95 lower end of the strap C' engages the nose-and-chin buckle E in the same manner as above described for strap C on the opposite or near side. At a suitable distance from the lower end of strap C' a hole or holes, *c'*, are punched for engagement with the stud or studs *f*⁷ of 100 buckle F.

The nose-and-chin band B is one continuous

strap, one end of which is slotted to engage with tongue h^3 of buckle H, as more plainly shown in Figs. 6 and 7. The other end forms the billet H' for buckle H. Said strap passes through a ring, k , of hitching-tug K, thence through nose-buckles E E', and engages with their respective studs e^8 , and thence to the chin-buckle H, as illustrated.

The neck-strap D is passed through the slit h' of tug K. The ends d d^2 of said strap are provided with openings d' d^3 , and engage with the studs g^4 f^4 and enter the grooves or recesses g^{12} f^9 , respectively, of the cheek-buckles G F, in like manner as described for cheek-straps on the nose-buckles E E'.

It will be noticed from the foregoing that all the parts described are put together without the aid of stitching, riveting, or other similar fastening devices.

The lugs g^5 , f^5 , and e^5 are provided for giving greater bearing-surfaces for the straps at their points of connection with the buckles on which said lugs are respectively formed; but said lugs may, if desired, be dispensed with.

The halter A is provided with the usual brow-piece, I, and hitching-tug K. The latter may be a metal tug of any desired shape or construction; or the usual leather tug may be employed.

If desired, a strap, L, may be used for re-enforcing the chin-strap, and thereby make such part of the holder or bridle more durable than would otherwise be the case if but a single strap were used. Said strap L is secured at one end, l , to stud e^8 of buckle E, and at its opposite end, l' , to stud h^4 of buckle H, as more plainly shown in Fig. 6.

Fig. 8 shows a bridle embodying my invention, wherein the chin-and-nose strap B and cheek-straps C C' are arranged and secured together by buckles E E' and H, as above set forth; but the neck-strap is secured to or passes through loops in brow-piece I, as shown. In such case the buckles F and G are dispensed with, and in lieu of buckle G a buckle, H, is substituted, and a double band or strap, M, is provided.

The grooves or recesses e^{10} , f^9 , and g^{12} are respectively formed in buckles E, F, and G for

receiving and protecting the ends of the cheek and neck straps, as shown, and the elevated bars g^9 and h^5 , respectively, of buckles G and H are provided in order that the chape ends of straps C and B may be tucked under said bars without requiring said ends to be shaved or reduced in thickness.

I am aware that two-part buckles with bars and studs have been employed to connect the various straps of halters and bridles. Therefore I do not claim such buckles, broadly, but only when they are provided with grooves or recesses e^{10} , f^9 , and g^{12} , as above described.

What I claim as my invention is—

1. The improved halter or bridle, having continuous cheek-and-head strap C' C' and a separate cheek-strap, C, united to strap C' by a tongued buckle, the two-part buckles E E', having grooves or recesses e^{10} for the reception and protection of the lower ends of cheek-straps C C', and the continuous nose-and-chin strap B, secured to buckles E E', and provided with a tongued buckle, said parts being constructed substantially as shown and described.

2. A halter-buckle composed of two uniting frames or parts formed with a depressed cross-bar having a projecting lip adapted and designed to form a recess or groove for the reception and protection of the end of a strap, substantially as shown and described.

3. The combination, with cheek-straps C C' and chin-and-nose strap B, united by buckles E E', formed with grooves or recesses e^{10} , constructed substantially as shown and described, of the re-enforcing strap L, secured at one end to buckle E and at its opposite end to a buckle, H, on strap B, substantially as shown and described.

4. The buckle H, having depressed cross-bars h' h^2 and intermediate bar, h^5 , elevated above frame h , the bar h' carrying tongue h^3 and the bar h^2 formed with or without stud h^4 , substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY F. SMITH.

Witnesses:

S. J. VAN STAVOREN,
CHAS. F. VAN HORN, Jr.