(No Model.)

J. O. WALTON.

COMBINED BRIDLE AND HALTER.

No. 384,407. Patented June 12, 1888.

Fig. 1.

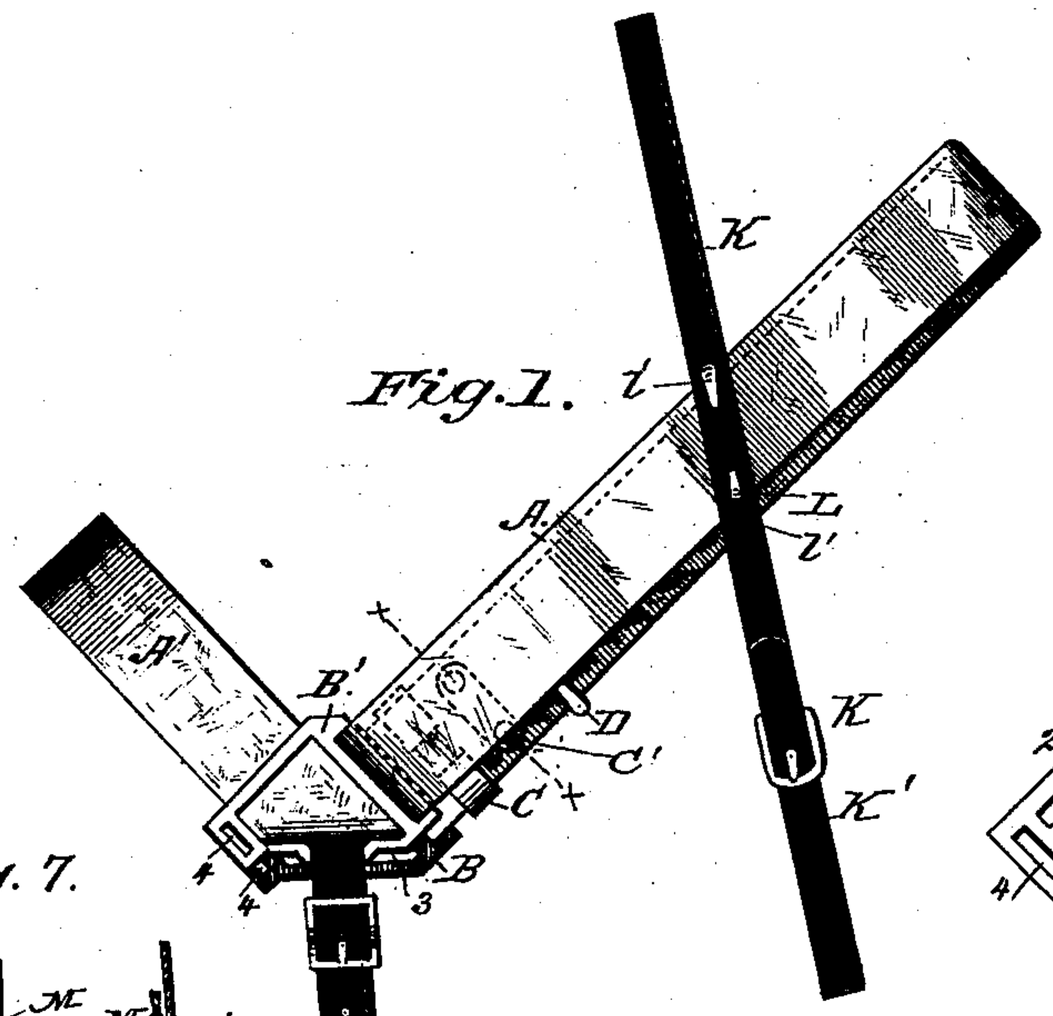


Fig. 2.

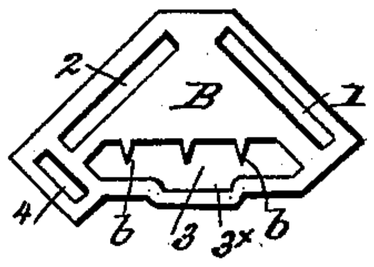
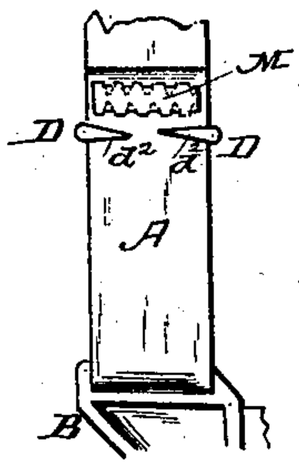


Fig. 7.



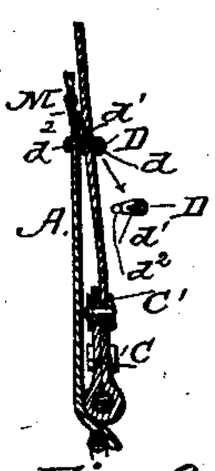


Fig. 9.

Fig. 8.

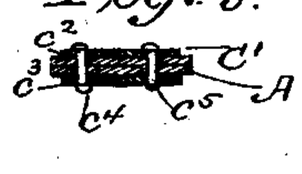


Fig. 3.

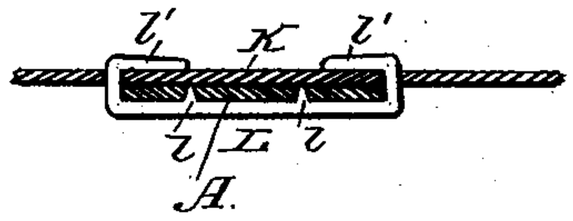


Fig. 11.

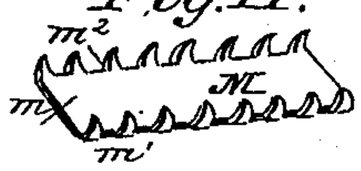


Fig. 4.

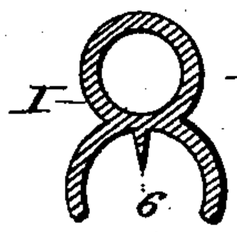


Fig. 5.

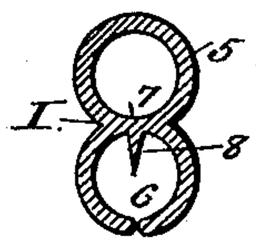


Fig. 6.

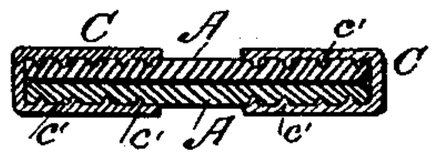


Fig. 10.

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UNITED STATES PATENT OFFICE.

JOHN ORLENTHUS WALTON, OF BELLE VERNON, OHIO.

COMBINED BRIDLE AND HALTER.

SPECIFICATION forming part of Letters Patent No. 384,407, dated June 12, 1888.

Application filed May 19, 1887. Serial No. 238,792. (No model.)

To all whom it may concern:

Be it known that I, JOHN ORLENTHUS WALTON, of Belle Vernon, in the county of Wyandot and State of Ohio, have invented a new and useful Improved Combined Halter and Bridle, of which the following is a specification.

My invention relates to halters or headstalls made of a single piece to fit, respectively, over the head and nose of the horse, secured at their folds by metal corner-pieces, upon which it may be readily adjusted, and are otherwise secured by metal fastenings without the use of seams or rivets.

The improvement consists in certain details of construction hereinafter particularly shown, described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of the bridle; Fig. 2, an enlarged view of the corner-piece detached; Fig. 3, an enlarged cross-section through the metal piece for fastening the throat-latch and brow-band to the halter. Figs. 4 and 5 are enlarged cross-sections of the running-loop for securing the end of the hitching-rope to the halter before and after attachment to the rope; Fig. 6, an enlarged cross-section of one of the metal fastenings; Fig. 7, an enlarged elevation of the lower end and side of the halter opposite to that shown in Fig. 1; Fig. 8, a cross-section in line *x x* of Figs. 1 and 7; Fig. 9, a section in the line *y y* of Fig. 7; Fig. 10, a cross-section of one of the metal fastenings; Fig. 11, a perspective view of one of the fastenings at the end of the strap forming the halter-stalls.

A single strap or web, A, of any suitable well-known material is first passed through a corner-piece, B, turned at right angles to provide a nose-band, A′, then passed through a similar corner-piece, B′, and again turned at right angles, and having allowed sufficient length to pass over the head of the animal, is again passed through the corner-piece B, and secured to itself by metal fastenings C on the sides and a metal fastening, C′, upon the end thereof. The other end of the strap A is carried up from the corner-piece B and fastened by metal fastenings D to the end, which has already been secured to the said corner-piece B, as hereinafter described.

The corner-pieces B B′ are each formed of a single triangular piece having slots 1 2, through which the strap is passed respectively into and away from the corner-piece, and a diagonal slot, 3, in which the strap is folded at right angles to pass from the sides around the nose of the animal, and has spurs *b* upon its inner side to pierce the fabric. The slot 3 is bulged at $3^{\times}$ to receive the jaw-strap E, which is formed of leather doubled completely upon itself and buckled together at its ends. A short slot, 4, in the corner-piece at the corner below the slot 2 provides a means for attaching a bit, F, which may be removed when used as a halter.

A ring, G, running upon the jaw-strap E, receives a hitching-rope, H, which is provided at its end with a metal running-loop, I, through which the rope after passing through the ring G is returned and may be drawn tightly to be made fast to the halter. The loop I is made of malleable metal having a solid cylindrical portion, 5, and a divided cylindrical portion, 6, arranged parallel with each other and connected by a web, 7. A spur, 8, projects from the web 7 upon the inside of the cylinder 5 and pierces the rope held within said cylinder to the central part thereof, so that it cannot be withdrawn lengthwise through the cylinder after having been applied thereto. The cylindrical portion 6 of metal loop is first spread open, as shown in Fig. 4, to receive the end of the rope and allow it to be forced onto the spur 8, after which the sides of the cylinder are compressed to closely clasp the rope and effectually prevent the rope from being withdrawn therefrom without first bursting open the sides of the cylinder. The metal fastening C is of malleable metal, is U-shaped, and has inwardly-projecting spurs *c′* upon its sides, which pierce the material from both sides and through both layers when the sides of the fastening are bent over. One of the fastenings is applied to each side of the strap and provides simple and secure attachment, which holds the strap closely upon the corner-piece.

The brow-band K and throat-latch K′ are formed of a single straps of leather secured diagonally upon the side straps, A, of the halter by means of metal fastenings L, having spurs *l*, which pass through the fabric only, and folding ends *l′*, which pass outside the fabric and through the leather, and are then turned down upon the strap. The fastening is placed

lengthwise the strap, and provides a sure and simple means for attaching the strap to the sides of the halter.

In the construction shown it is not necessary that the spurs shonld pass through both thicknesses, as in similarly-formed fastenings applied to analogous uses, by which means two perforations only are formed in the leather, while any required number of small incisions may be made in the fabric by the spurs *l*. The throat-latch is provided with a buckle, and is fastened in the usual way.

The halter-stalls may be easily adjusted upon the corner-pieces to suit different-sized heads, as will be readily understood from the foregoing description.

One end of the strap A is folded over and securely riveted to itself by metal fastenings C C′. The fastening C, previously described, securely clamps the sides or edges of the strap together immediately above the corner-piece B, and serves to clasp the fabric closely to the said corner-piece, and the fastening C′ at the end of the strap A above the fastening C forms an additional and more secure fastening for the end of said strap. The fastening C′ is formed of plates C^2 C^3, placed upon opposite sides of the folded end of the strap A to extend entirely across the same, and are held together by rivets C^4 C^5 passing through the said plates and fabric. The other end of the side piece, A, is protected and prevented from unraveling by a metal fastening, M, formed of a rectangular metal plate, *m*, having spurs *m′* m^2 upon its sides. The plate *m* extends across the fabric and the spurs pass through the same and are clinched upon the other side thereof.

The metal fastening D is shown in Fig. 8, and is similar to the fastening L, and is simply a bar, *d*, of malleable metal, having spurs *d′* upon one of its sides which pass through the fabric and is folded over at its ends d^2 to embrace the end of the strap A and allow the latter to slip beneath the same. The fastening M at the end of the strap A prevents the said strap from being withdrawn from the fastening D, and the strap is disengaged or released from the said fastening D by buckling the strap A until the end thereof projects sufficiently above the fastening D to permit the flexible portion of the strap to be buckled up transversely and withdrawn from beneath the ends d^2 of the fastening D. The halter is thus formed entirely without stitching, and may be readily adjusted in all of its parts.

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

1. In a halter, corner-pieces provided with slots 1 and 2, arranged at right angles with each other, and a diagonally-arranged slot, 3, having a bulged portion, $3^\times$, to receive the jaw-strap, substantially as described.

2. In a halter, corner-pieces provided with slots 1 and 2, arranged at right angles with each other, a diagonal slot, 3, a bulged portion, $3^\times$, to receive the jaw-strap, and a slot, 4, beneath the vertical slot 2 to receive the bit, substantially as described.

3. In a halter, corner-pieces provided with slots 1 and 2, arranged at right angles with each other, and a diagonally-arranged slot, 3, having spurs *b* projecting from its inner side, substantially as described.

4. In a halter, the combination, with the hitching-rope, of a metal running loop, I, having a solid cylindrical portion, 5, a divided cylindrical portion, 6, a connecting-web, 7, and a spur, 8, substantially as and for the purpose described.

5. In a halter, the combination, with the strap encircling the head and nose, of the malleable-metal U-shaped fastening C, having spurs *c′* projecting inwardly from its sides, substantially as described.

6. In a halter, the combination, with the strap encircling the head and nose, made of fabric, of the leather brow and throat strap formed in a single piece and united to the head and nose strap by a metal fastening, L, having spurs *l* and folding ends *l′*, which respectively pass the one through the fabric portion and the other through the leather portion, substantially as described.

7. The combination of the plates C^2 C^3 and rivets C^4 C^5 with the folded strap A, and the corner-piece through which the said strap passes, as shown and described.

8. The combination, in a halter, with the corner-piece B, having slot I, of the strap A, passed through the said slot and folded upon itself, the U-shaped fastenings C, embracing the sides of the strap close to the corner-piece, and the end fastening, C′, substantially as described.

9. The combination, with the fabric strap A of a halter, of the fastening M, having a plate, *m*, placed upon one side of said strap, and spurs *m′* m^2, passing through the strap and clinched upon the opposite side of said strap, substantially as described.

10. In a halter, the combination, with the strap A, of the corner-piece B, through which the strap is passed, the fastening D, having bar *d*, spurs *d′*, and ends d^2, embracing the free end of said strap, and the metal end fastening M upon the strap to prevent the withdrawal of the same from the fastening D, substantially as described.

JOHN ORLENTHUS WALTON

Witnesses:
J. C. ELDER,
C. M. ELDER.