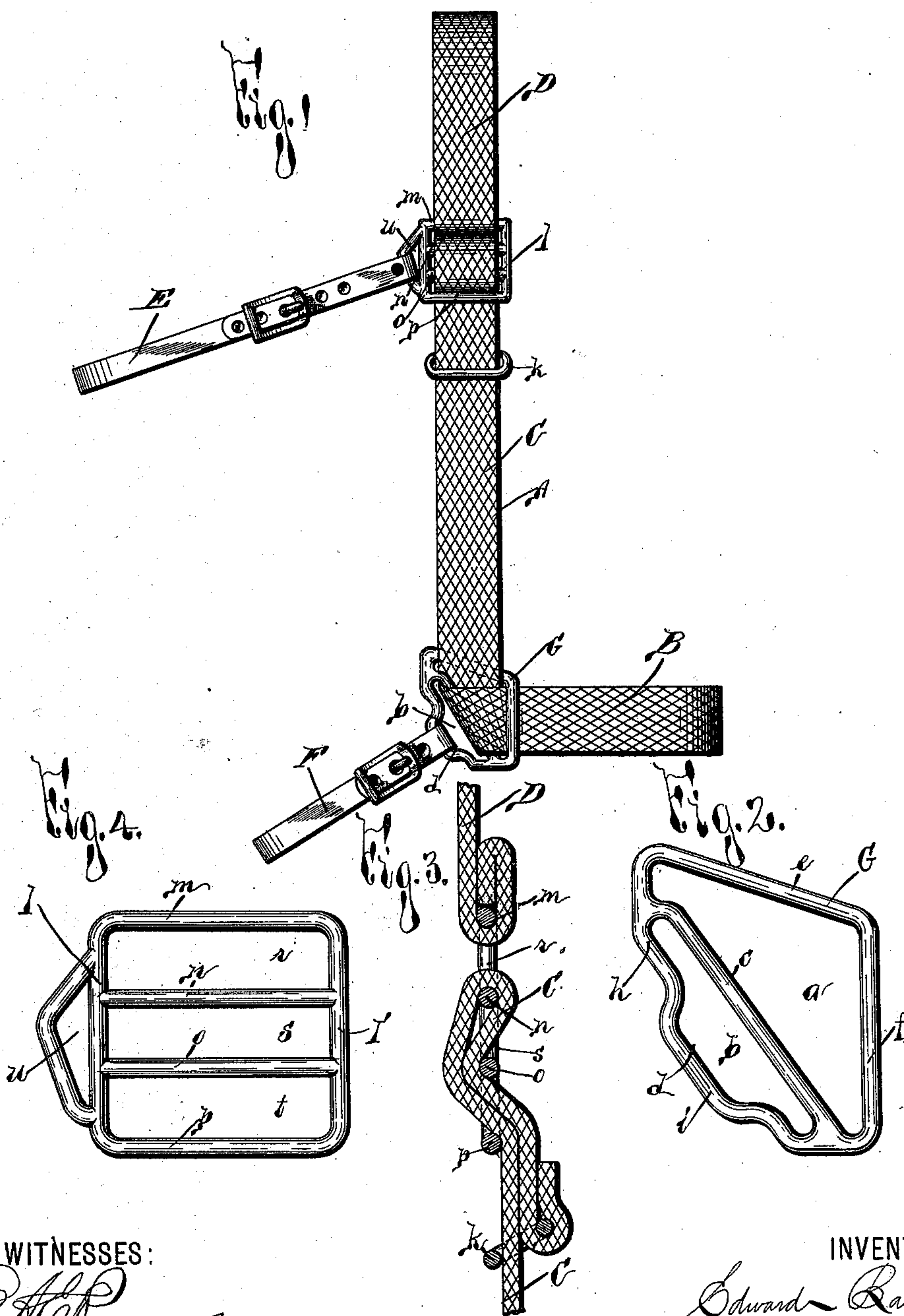


(No Model.)

E. BARNARD.  
HALTER.

No. 401,922.

Patented Apr. 23, 1889.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

EDWARD BARNARD, OF ROME, NEW YORK.

## HALTER.

SPECIFICATION forming part of Letters Patent No. 401,922, dated April 23, 1889.

Application filed October 4, 1888. Serial No. 287,209. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD BARNARD, of Rome, in the county of Oneida, in the State of New York, have invented new and useful  
5 Improvements in Halters, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to an improvement in  
10 halters, and has for its object the production of a simple and effective halter, the crown, cheek, and nose straps of which shall be constructed of one piece of suitable material, and shall be provided with suitable corner-pieces  
15 which, when the strap is passed therethrough, shall form the same into the desired shape, and is also provided with a ready means of adjustment on the opposite ends of the combined crown, cheek, and nose straps which  
20 shall allow the crown and cheek straps to be adjusted with each other, in addition to the usual adjustment of the cheek and nose straps, by means of the corner-pieces of suitable shape, thus producing at a minimum cost of  
25 manufacture a halter extremely durable in use and easy of operation and adjustment upon the horse or other animal.

To this end my invention consists, essentially, in a piece of webbing or other suitable  
30 material passed through suitable corner-pieces, thus forming the nose and cheek straps, the ends of which cheek-straps are extended upwardly from the corner-pieces, one of which is preferably much shorter than the other,  
35 and the ends are adjustably connected by means of a suitable buckle, allowing the length of the cheek and crown straps to be taken up and adjusted.

It also consists in the detail construction  
40 and arrangement of the parts, all as herein-after more fully described, and set forth in the claims.

In specifying my invention reference is had to the accompanying drawings, forming a part  
45 of this specification, in which like letters indicate corresponding parts in all the views.

Figure 1 is a side elevation of a halter of my improved construction. Fig. 2 is an elevation of one of the corner-pieces, illustrating  
50 the construction and arrangement of the slots

provided therein for the ready entering of the straps and turning of the same into the desired form. Fig. 3 is a longitudinal section of the two extremities of my improved halter-strap and their securing-buckle, illustrating 55 the operation and construction of the same; and Fig. 4 is an elevation of the buckle securing the opposite ends of the halter-straps, illustrating the relative arrangement and construction of the slots formed therein, allow- 60 ing the buckle to be readily adjusted on the halter-straps.

A represents my improved halter-strap, of suitable material and desirable length, provided with corner-pieces G, which turn the 65 strap at substantially a right angle into the desired form at the union of the nose-strap B and the cheek-strap C. The extremities of the halter-strap A are extended upwardly from the corner-piece G, one of which is considerably shorter than the other, and are adjustably connected to each other by means of a suitable buckle, I, thus forming in one 70 piece the nose, cheek, and crown straps, and allowing the various divisions to be adjustable, one with the other, and to which strap, at desirable positions, the usual throat-latch, E, and chin-strap F are attached. The corner-pieces G, for the purpose of economy of 80 manufacture and durability of wear, are preferably cast or otherwise formed, and, as shown in Figs. 1 and 2, are of peculiar construction, consisting of an encircling frame or bar *h*, extending diagonally across which is the cross-bar *c*, connected at its opposite 85 extremities thereto, thus inclosing the slots *a* and *b*.

By reference to Fig. 1 it will be observed that the slot *b* is substantially rectangular, while the slot *a* is triangular in form, which 90 difference is caused by the relative arrangement of the cross-bar *c* and the inclosing-bar *h*, the side *i* of the frame *h* extending substantially in a parallel line with that of the cross-bar *c*, and the sides *e* and *f* extending 95 substantially from near the base of the cross-bar *c* at an angle thereto, and meeting each other in an angle opposite to the cross-bar *c*.

It is obvious that the corner-pieces may be placed upon the halter-strap A in various 100



ways; but the preferred construction is to pass the extremities of the halter-strap A under the sides *f* of the frame *h*, and outward through the slot *a*, and then force the corner-pieces down on the halter-strap until they are in suitable proximity to each other to form the nose-strap B of the desired length. The free ends of the halter-strap may be then turned inward around the cross-bar *c*, and then outward through the slot *a*, and over the side *e* of the frame *h*, which turning is allowed by means of the diagonal cross-bar *c* and the angular construction of the slot *a*. It will also be seen by reference to the drawings that, for the purpose of attaching the chin-strap F, I provide the depression *d* in the corner-pieces G, thus affording a ready and effective means of attaching the said strap.

The extremities of the halter-strap are continued upwardly from the said corner-pieces in a line substantially at a right angle to the nose-piece B, thus forming the cheek-pieces C. As has been stated, one of the extremities of the halter-strap is considerably longer than the other, and this extremity is rounded over, forming the crown-piece D, and connected to the other extremity by means of the buckle I, of peculiar construction, as shown in Fig. 4 of the drawings. The buckle or loop I is preferably formed of a rectangular inclosing-frame, I', with a series of transverse bars, *n* and *o*, joined at their extremities to the inclosing-frame I, thus inclosing a series of slots, *r s t*. One extremity of the halter-strap, preferably that forming the crown-piece D, is secured in any desirable manner around the upper bar, *m*, of the buckle or loop I. The other extremity of the halter-strap is passed inward and under the lower cross-bar, *p*, of the inclosing-frame I', and extended upwardly over the cross-bars *o* and *n* and inwardly through the slot *r*, then downwardly around the cross-bar *n*, outwardly through the slot *s*, and downwardly around the cross-bar *o*, inwardly through the slot *t*, and continued downwardly on the inside of the cheek-strap *c*. The extremity of the halter-strap, after having been wound around the bars and through the inclosed slots of the buckle or loop, is often provided, as shown in Fig. 3 of the drawings, with a loop or keeper, *k*, preferably of metal, secured thereon and passing around the cheek-strap C, thus keeping the extremity of the halter from being raised out of its normal position by friction with the horse's head.

It will be observed that the peculiar arrangement of the cheek-strap C around the buckle or loop I allows the same to be readily withdrawn through said loop when it is desired to vary the length of the cheek-straps, although after the same has been brought down to its normal position around said buckle no strain upon the halter will be sufficient to displace the parts, even without the aid of the keeper *k*, the principal office of which is to retain the lower extremity of the halter

from being forced upward by friction, as previously stated. For the purpose of allowing the throat-latch E to be readily attached to the buckle or loop I, I provide the loop *u*, which is preferably formed integral therewith.

It will be readily seen that the corner-pieces G may be, when desired, varied in their proximity to each other to suit different animals, thus adjusting the nose and cheek straps with each other, and also by means of the peculiar connection of the upper extremity of the cheek-strap C with the buckle I the length of the cheek-straps may be varied, thus allowing all the parts of the halter-strap to be adjusted in relation to each other to suit the size of various animals.

The operation of my invention will be readily perceived from the foregoing, it being only necessary to state that the halter-strap may be attached to the corner-pieces G and the securing-buckle I in various ways, only the preferred one of which has been described, and also considerable change may be made in the detail construction of the corner-pieces and the securing-buckle without departing from the spirit of my invention. If desired, two securing-buckles might be used, one for each cheek-strap; but said construction is unnecessary and more expensive; or, again, the securing-buckle might be interposed in the crown-piece D, but the hair on the horse's forehead would be liable to be entangled therein; or the crown-piece might be adjustably connected to the securing-buckle in the same manner as the cheek-piece, but such is not my preferred construction.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a halter having crown, cheek, nose, chin, and throat pieces, with the cheek-strap C and nose-strap B, composed of a single piece or strap, of the corner-piece G, composed of its inclosing sides, and the diagonal cross-bar *c*, forming the slots *a* and *b* between the cross-bar *c* and the inclosing sides of the corner-piece, substantially as and for the purpose set forth.

2. The combination, with the herein-described halter, of the corner-piece G, having the cross-bar *c* extending diagonally across the corner-piece, the sides *e* and *f* meeting at an angle with their adjacent extremities opposite to the bar *c* and forming the triangular slot *a*, interposed between said sides *e* and *f* and the cross-bar *c*, the side *i*, substantially parallel to the cross-bar, forming the slot *b*, interposed between the side *i* and the cross-bar *c*, and having the enlargement *d* formed by a depression in the side *i*, substantially as and for the purpose set forth.

3. The combination, with a halter having crown, cheek, and nose straps formed of a continuous piece or strap, of the corner-piece G, composed of its inclosing sides, and the diagonal cross-bar *c*, forming the slots *a* and



5 *b* between the cross-bar *c* and the inclosing sides of the corner-piece, and means for adjustably connecting the crown-strap and cheek-strap, substantially as and for the purpose set forth.

10 4. The combination, with a halter having crown, cheek, and nose straps formed of a continuous piece or strap, of the corner-piece *G*, composed of its inclosing sides, and the diagonal cross-bar *c*, forming the slots *a* and *b* between the cross-bar *c* and the inclosing sides of the corner-piece, with a buckle or loop, *I*, formed with a series of slots for adjustably

connecting together the extremities of the halter-strap, substantially as and for the purpose set forth. 15

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Rome, in the county of Oneida, in the State of New York, this 26th 20 day of September, 1888.

EDWARD BARNARD.

Witnesses:

WM. W. CHAMBERLAIN,  
HENRY BARNARD.