

(No Model.)

G. W. HARROP.
COLLAR FASTENER.

No. 498,168.

Patented May 23, 1893.

Fig. 1.

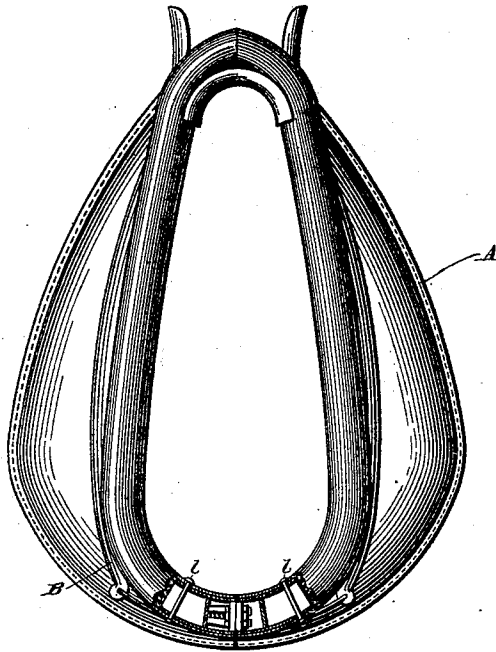
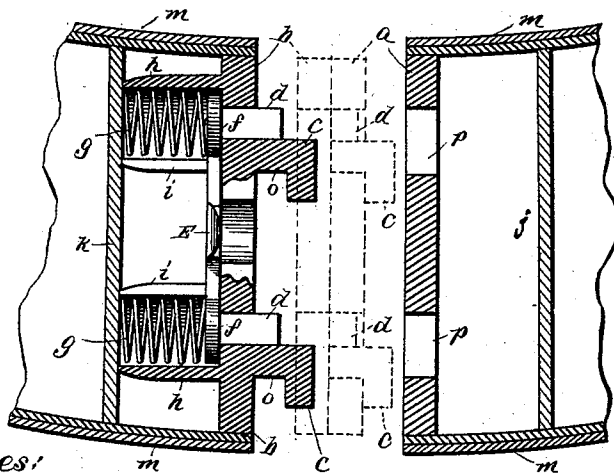


Fig. 2.



Witnesses:

E. E. Hoopes
T. Scott Morrison.

Inventor:

Geo. W. Harrop
By *H. W. Stackpole*
His Att'y.

UNITED STATES PATENT OFFICE.

GEORGE W. HARROP, OF MANHATTAN, KANSAS.

COLLAR-FASTENER.

SPECIFICATION forming part of Letters Patent No. 498,168, dated May 23, 1893.

Application filed June 3, 1892. Serial No. 435,397. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. HARROP, a citizen of the United States, residing at Manhattan, in the county of Riley and State of Kansas, have invented certain new and useful Improvements in Hames, Collar, and Neck-Yoke Fasteners Combined; 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 the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in the mechanism for fastening the hames, collar and neck-yoke about a horse's neck, and the objects are to construct a fastener to be secured to the collar so that, when the hames and neck-yoke are properly attached to said collar, the three may be secured or detached from about the horse's neck by the simple movement of uniting or disuniting my fastener, thus greatly simplifying the operation of harnessing and unharnessing a horse. I attain these objects by means of the mechanism hereinafter described and illustrated in the accompanying drawings, in which—

Figure 1 is a view of a horse-collar showing the position and manner of securing my fastener thereto and Fig. 2, a vertical section of my device showing the operating parts thereof.

Similar letters refer to similar parts throughout both the views.

The collar A being severed at its lower end, sleeves *m m*, curved to conform to the shape of said collar and provided with abutments *j* and *k*, are secured to the respective ends of the collar which are inserted therein until they bear against said abutments. Plates *a* and *b* fit closely and are secured at the openings of the sleeves *m m*. The abutment *k* also serves as a means of resistance to springs *g g* which throw and hold keys *d d* in position. Plate *b* is provided with casings *h h* to hold springs *g g* in their proper position. Said casings *h h* are provided with slots *i i* to permit of the free sliding of plate *f* which bears against the outer ends of springs *g g* and which is operated by a thumb-catch *e* whereby said keys, which are securely attached there-

to, are withdrawn. To the outer side of said plate *b* is secured the hook-shaped lugs *c c* leaving spaces *o o* equal to the thickness of plate *a*. Plate *a* is provided with slots *p p* the length of each being equal to the combined width of its respective key *d* and lug *c* at *o*. The hames B being placed in position about the collar are secured thereto by passing the bolt or rivet *l* through its respective eye in the end of the hames before said bolt is headed, thus permanently securing said hames and collar together. The neck-yoke is secured in position by placing the loop of the neck-yoke strap over one end of the collar before the ends are joined and fastened by my device.

To fasten my device, the side *b* having lugs *c c* is raised, said lugs inserted in slots *p p* and the two sides then pressed closely together, thus pressing back keys *d d*. The side *b* is then pressed downward causing the parts to assume the positions shown by the dotted lines in Fig. 2. The keys *d d* being thrown forward by springs *g g* prevent the same being accidentally thrown out of position. To unfasten the device, keys *d d* are withdrawn by pressing back plate *f*, raising side *b* and withdrawing lugs *c c*.

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

1. In a horse-collar fastener, the combination with sleeves secured to the ends of the collar, of a plate *a* fitting in one of said sleeves and provided with slots, a plate *b* fitting in the other of said sleeves, said plate *b* provided with hook-shaped lugs to engage the slots in the plate *a*, and keys carried by the plate *b* to enter the slots in the plate *a* and confine the hook-shaped lugs therein, substantially as described.

2. In a horse collar fastener, the combination with sleeves secured to the ends of the collar of a plate provided with slots, a plate provided with lugs to enter said slots, and self acting keys carried by one of said plates to enter the slots in the other of said plates and confine the lugs therein, substantially as described.

3. In a horse-collar fastener the combination with sleeves secured to the ends of the collar of a plate *a*, fitting in one of said sleeves

and provided with slots, an abutment *k* and
a plate *b* in the other of said sleeves, said
plate *b* provided with slotted casings *h*, *h*, and
hook-shaped lugs *c*, *c*, springs *g*, *g*, in the cas-
5 ings *h*, *h*, a plate *f*, also located in said slotted
casings, and keys *d*, *d*, secured to said plate,
substantially as described.

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

GEORGE W. HARROP.

Witnesses:

C. E. MILLER,
JO W. JENKINS.