

(No Model.)

C. A. PETTIE.
COMBINED COLLAR AND HAMES.

No. 497,386.

Patented May 16, 1893.

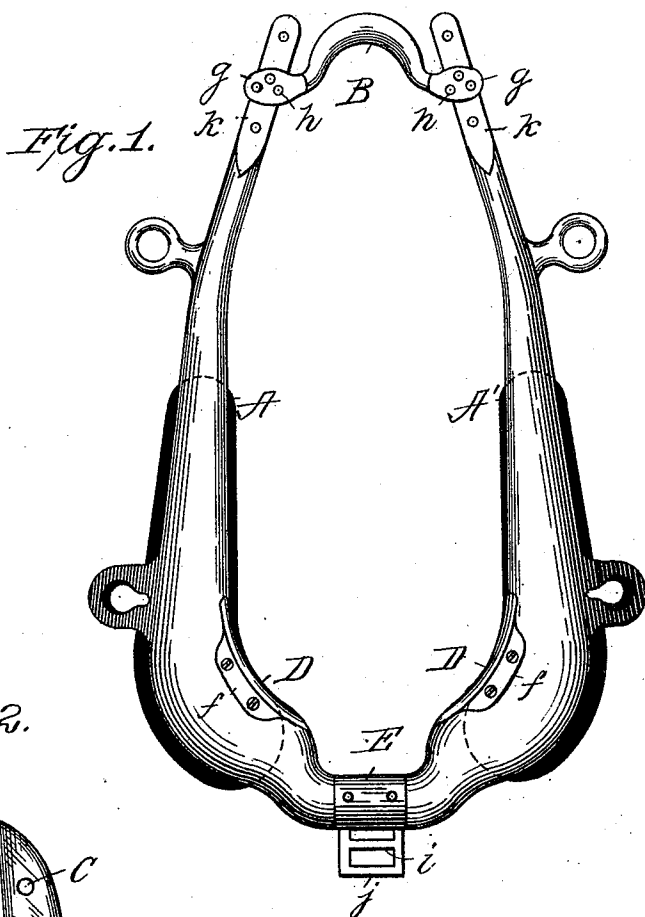


Fig. 2.

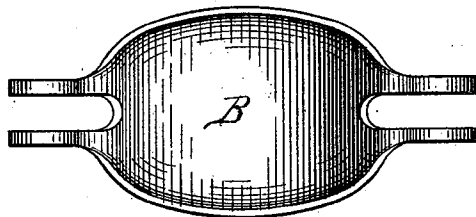
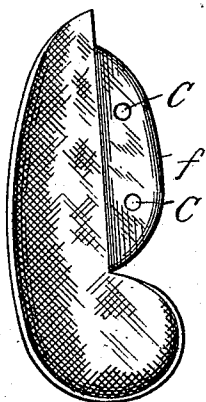
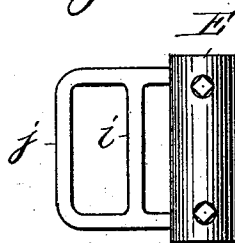


Fig. 3.

Fig. 4.



Witnesses:

Mark M. Decker
E. E. Meader

Inventor:
Chas. A. Pettie.

By J. W. Barker
Attorney.

UNITED STATES PATENT OFFICE.

CHARLES A. PETTIE, OF BROOKLYN, NEW YORK, ASSIGNOR TO EMMA C. PETTIE, OF SAME PLACE.

COMBINED COLLAR AND HAMES.

SPECIFICATION forming part of Letters Patent No. 497,386, dated May 16, 1893.

Application filed July 13, 1892. Serial No. 439,881. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. PETTIE, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Combined Hames and Collars, of which the following is a full, clear, and exact specification.

My invention relates to improvements in 10 combined collar and hames and constitutes an improvement on my former invention of combined collar and hames issued to me May 24, 1892, and numbered 475,606.

The improvements in this case are on the 15 adjustable yoke which connects the hames together at their upper ends; the plates for preventing the ends of the collar from pressing into the horse's neck, and the construction of the locking device which affords means 20 for receiving the neck yoke and belly-band straps.

I will now proceed to describe my invention referring to the accompanying drawings in which—

25 Figure 1, represents a front elevation of my improved collar and hames. Fig. 2 is a plan in detail of the metallic plate for preventing the ends of the collar from pressing into the horse's neck. Fig. 3 is a plan of my improved 30 adjustable yoke, and Fig. 4 is a plan view of the improved locking device showing the attachment for receiving the yoke-straps and belly-band strap.

Similar letters of reference indicate like 35 parts in the different figures.

A represents the hames the lower ends being constructed as in my former invention with the grooves (not shown) over which the locking device fits, and recesses for preventing 40 pressure on the horse's wind-pipe. The upper ends of said hames are somewhat flattened as shown at *k* and provided with a series of holes.

The yoke B is arched as illustrated and is 45 formed with elongated portions *g* which straddle the hames, and are also provided with a series of holes which admit of pins or screws being passed through them. Thus it will be seen that by this construction the combined

collar and hames can be made to fit the necks 50 of horses of different sizes.

The object of the plates D is as before stated, to prevent the ends of the collar from pressing into the horse's neck. These plates D have a flange *f* bent at substantially right 55 angles to the main or bearing portion. This flange *f* is provided with holes C for receiving the rivets or screws which connect it with the hames A. When this plate is properly adjusted, it forms a perfect protection to the 60 horse's neck, preventing it from being rubbed, and against undue pressure of the points of the collar.

The extension on the lower part of the locking device E is either cast integral with the 65 locking device as shown, or obviously may be formed of a separate piece and joined to the locking device in any suitable manner. This extension on the locking device somewhat resembles a staple and has a cross bar 70 *z*. In use the neck yoke strap is buckled around the bar *j* and the belly-band strap is buckled around the bar *z*. This device is compact, durable, and convenient, and is inexpensive. 75

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

The combined collar and hames, having a locking device on the lower ends of said hames 80 provided with means for receiving the neck yoke and belly band straps; protecting plates having flanges *f* and holes *l* for connecting them to the said hames; a series of holes at or near the upper ends of the hames; a yoke 85 having elongated portions *g* and a series of holes in said portions adapting the yoke to be adjustably connected with said hames, substantially as and for the purpose shown and described. 90

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of July, 1892.

CHARLES A. PETTIE.

Witnesses:

MARK M. DECKER,
MAX SAUNNER.