

C. C. COTTEN.
Horse-Collars.

No. 128,858.

Patented July 9, 1872.

Fig. 1.

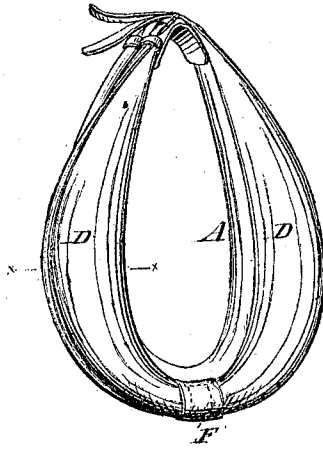


Fig. 2.

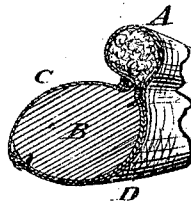
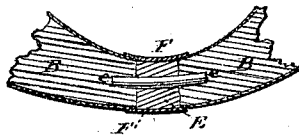


Fig. 3.



Witnesses.

Alex. Mest
J. H. Poole

Inventor.

Christopher C. Cotten
by Prindle and Geyer
Attys.

UNITED STATES PATENT OFFICE.

CHRISTOPHER C. COTTEN, OF BUCHANAN, MICHIGAN.

IMPROVEMENT IN HORSE-COLLARS.

Specification forming part of Letters Patent No. 128,858, dated July 9, 1872.

To all whom it may concern:

Be it known that I, CHRISTOPHER C. COTTEN, of Buchanan, in the county of Berrien and in the State of Michigan, have invented certain new and useful Improvements in Horse-Collars; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a perspective elevation of my horse-collar; Figure 2, a cross-section of Fig. 1 on the line *x x*; and Fig. 3, a central, vertical, broken section of Fig. 1 on the line *y y*.

Like letters refer to like parts in each figure.

My invention has for its object the construction of a horse-collar in such a manner as to render it flexible and easy to the horse; and it consists in attaching the lower or connected ends of the sides by means of rubber, or other suitable elastic material, substantially as and for the purpose hereinafter specified.

In the drawing, A is the rim of the collar, covered with leather, and stuffed or padded with hair, or other fibrous material. B is the frame, made of wood, in two similar parts, and covered on the front with leather C and on the back with zinc, or other soft metal D. In the back portion of the throat of the collar, at the lowest part thereof and between the ends of the two pieces of wood composing the frame, is inserted a piece of rubber, E, or other elastic material, of a size and shape suited to that part of the collar, and held in position partly by a pin, *e*, that passes through it and into the

two ends of the frame, respectively, and partly by a band of leather, F, that passes over it and the ends of the frame, and is fastened to the inner and outer faces of the rim. This also serves to protect the parts from wear. The collar opens at its neck, where there is a suitable strap and buckle to fasten it when in use. In using a lining of zinc, or other soft metal, on the back of the collar, a smooth surface is brought in contact with the animal, by which means the tendency to chafe is materially diminished, and galling, especially in hot weather, avoided. By making the collars to open at the neck, and constructing the frame in two parts in connection with the rubber E, a lateral play and flexibility are secured that allows the collar to accommodate itself to the shoulders and movements of the animal. This method of construction also enables the collar to be put on and removed with ease.

Having thus described my invention, what I claim as new therein is—

The rubber E, in combination with the rim A and the frame B, constructed and arranged substantially as described and shown, and for the purposes set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 17th day of January, 1871.

CHRISTOPHER C. COTTEN.

Witnesses:

FREDERICK H. BACON,
WILLIAM J. GILBERT.