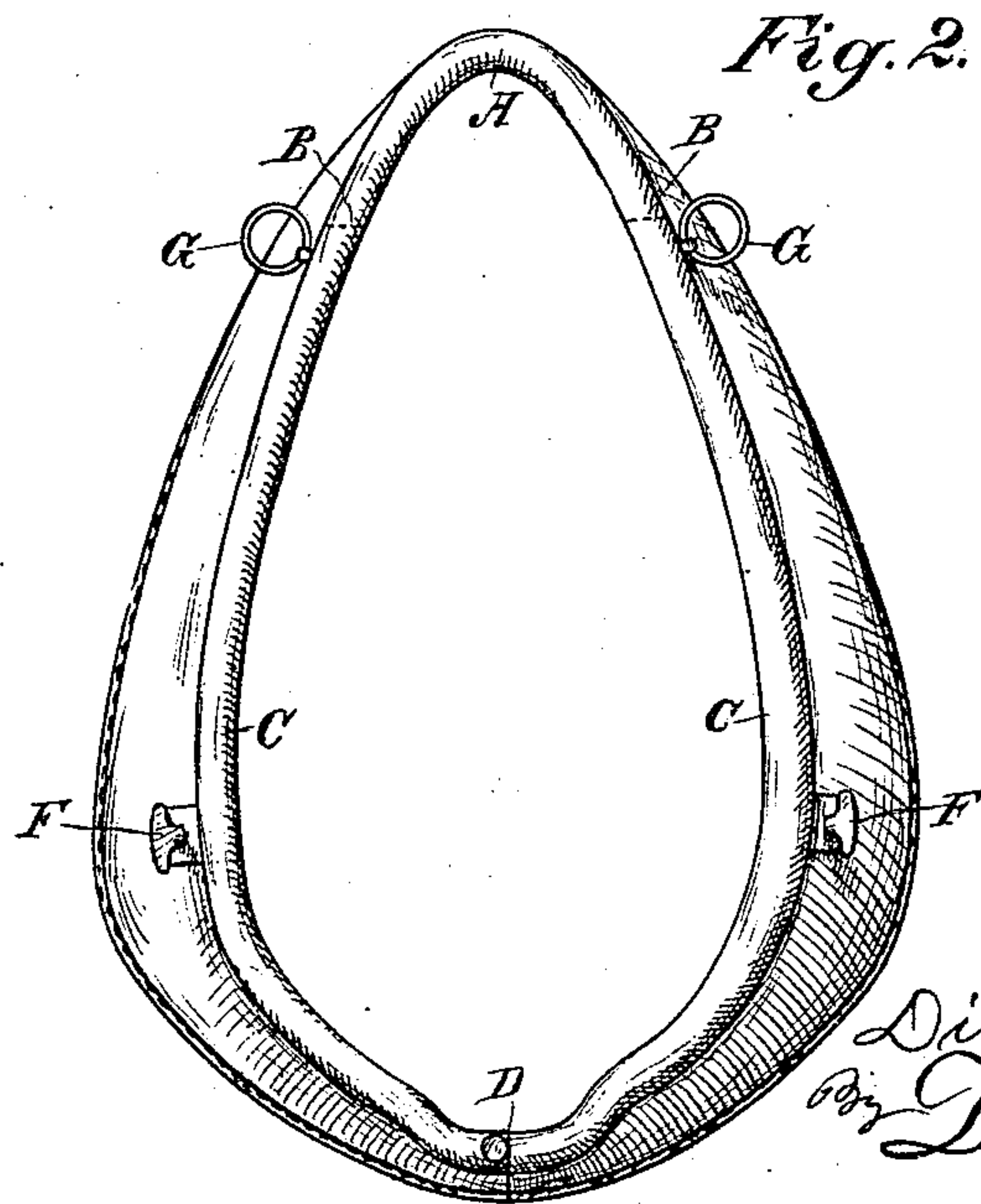
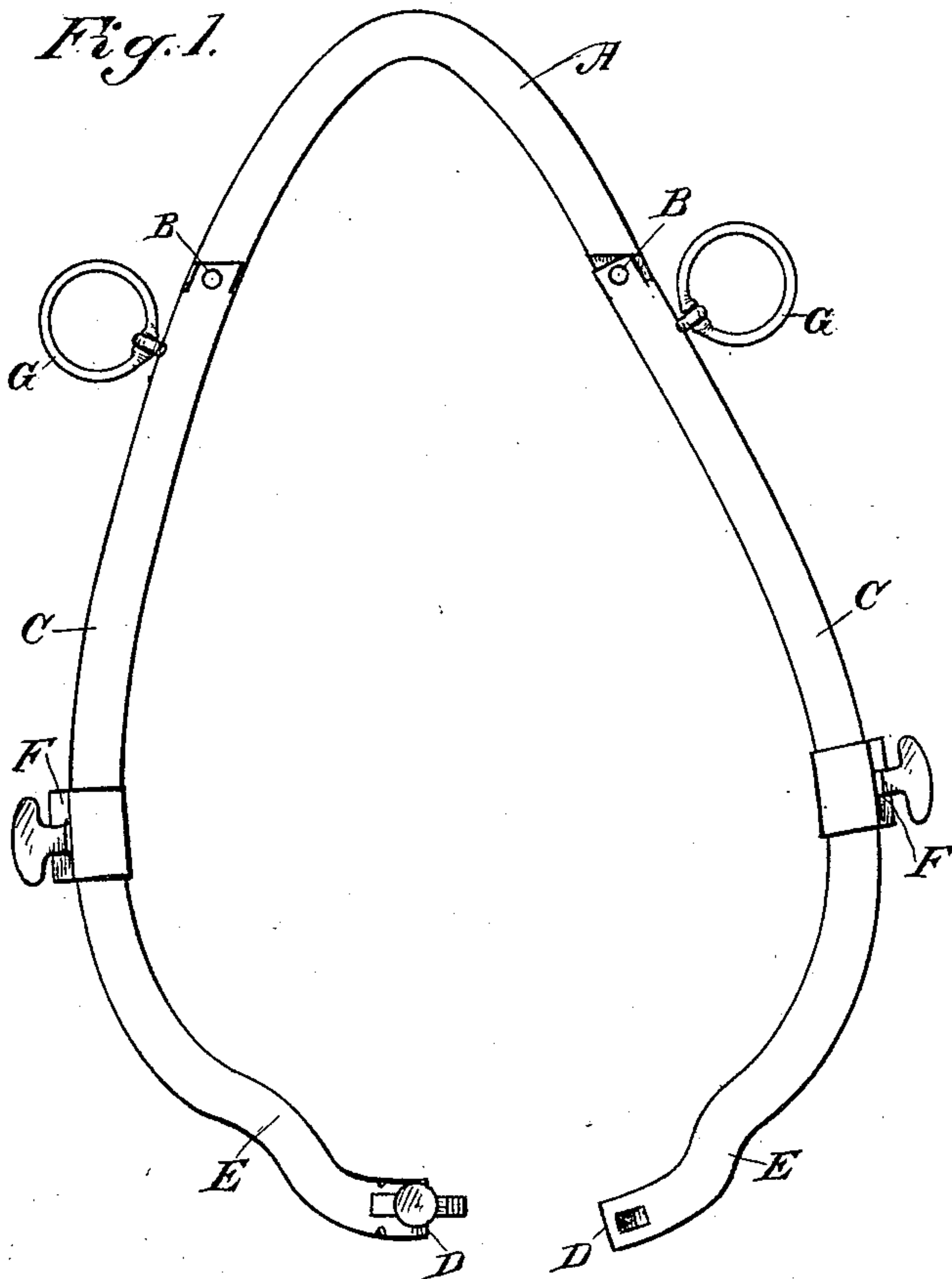


(No Model.)

D. PAQUET.  
COMBINED HORSE COLLAR AND HAME.

No. 460,757.

Patented Oct. 6, 1891.



Witnesses,  
J. H. House  
H. C. Lee.

Inventor,  
Dimitri Paquet  
by Dewey & Co.  
attys

# UNITED STATES PATENT OFFICE.

DIMDONNI PAQUET, OF OAKLAND, CALIFORNIA, ASSIGNOR OF ONE-HALF TO  
LOUIS KESER, JR., OF SAME PLACE.

## COMBINED HORSE-COLLAR AND HAMES.

SPECIFICATION forming part of Letters Patent No. 460,757, dated October 6, 1891.

Application filed October 22, 1890. Serial No. 368,966. (No model.)

*To all whom it may concern:*

Be it known that I, DIMDONNI PAQUET, a citizen of the United States, residing at Oakland, Alameda county, State of California, have invented an Improvement in a Combined Horse-Collar and Hames; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to certain improvements in horse-collars and hames; and it consists in the combination, with the body of the collar, of a hame, which also forms the roll, and in a peculiar means for jointing or hinging these hames, so that the collar may be opened at the bottom to place it on the horse's neck, and a locking device for securing it when it is closed together, with certain details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a view of the jointed hame-roll. Fig. 2 is a view of the collar complete.

Horse-collars are usually made of leather in two parts, one of which is called the "body" and the other the "roll," these parts having a crease or depression between them, in which the hames, which are made in separate pieces, are laid. Collars are also made of zinc and hinged together at the top.

In my improvement I make the body of the collar of leather or of any suitable material, and the roll is formed, preferably, of tubular iron, the upper part A being formed in a single piece, and curved so as to fit the top of the neck of the horse. At the points B the ends of the part A are hinged to the side pieces C. These pieces are formed to fit the lower part of the horse's neck and unite in the center at the point D, where they are secured by any suitable catch or locking device. At the points E these side pieces are bent outward and downward from the regular curvature, so as to form a sufficient opening or space to give the lower part of the horse's neck freedom and prevent pressure upon the gullet. When the parts are closed together at D, this device is of the desired form of a

roll for the collar, and it is covered with leather and united to the body of the collar, so that when made up the collar presents the usual form with body and roll, but in this case the roll takes the place of the hames, and has attached to its sides the devices shown at F for the attachment of the traces by which the load is drawn.

G are the rings or terrets, through which the reins pass, and these are screwed into or otherwise secured to the sides of the hames.

By making the upper part A in a single piece and hinging the side bars C to it, as shown, I am enabled to open the sides about the hinges sufficiently to allow the collar to be passed over the horse's neck.

The flexibility of the body of the collar will be sufficient to allow it to move with the hinges B to allow a sufficient opening at the bottom, as this opening does not exceed seven or eight inches, and the movement at the hinges will not exceed an eighth of an inch, so that the flexibility of the body will admit of this movement without injury. By this construction I have the advantage in closing, that the two ends which meet at D will come squarely together and are easily clasped and locked in that position. There being no joint at the upper central portion of the hame and collar, the danger of wear and chafing on the horse's neck is greatly reduced.

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

1. In a horse-collar, the flexible leather body continuous at the top and sides and open at the bottom, metallic hames permanently secured to the body to form a roll therefor made continuous over the top, with laterally-opening hinge-joints in the sides, a joint and locking device coincident with the opening in the body of the collar, and trace attachments fixed to the roll, substantially as herein described.

2. In a horse-collar, a flexible leather body continuous at the top and sides and open at the bottom, metallic hames permanently



joined to the body, forming the roll therefor,  
and having trace attachments and rings pro-  
jecting therefrom, said hames having later-  
ally-opening hinged joints in the sides, a  
5 latching device at the bottom coincident with  
the opening of the body, and the reverse  
curves E, substantially as herein described.

In witness whereof I have hereunto set my  
hand.

DIMDONNI PAQUET.

Witnesses:

J. H. OLLSON,  
S. H. NOURSE.