

(No Model.)

M. HUMBER.

COMBINED COLLAR AND HAME.

No. 286,010.

Patented Oct. 2, 1883.

Fig. 1.

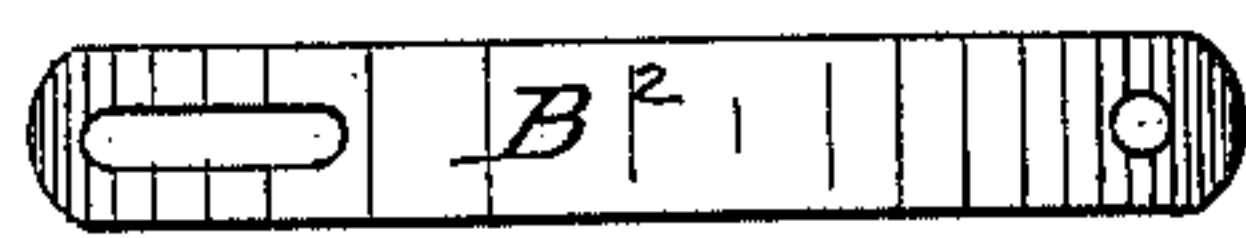
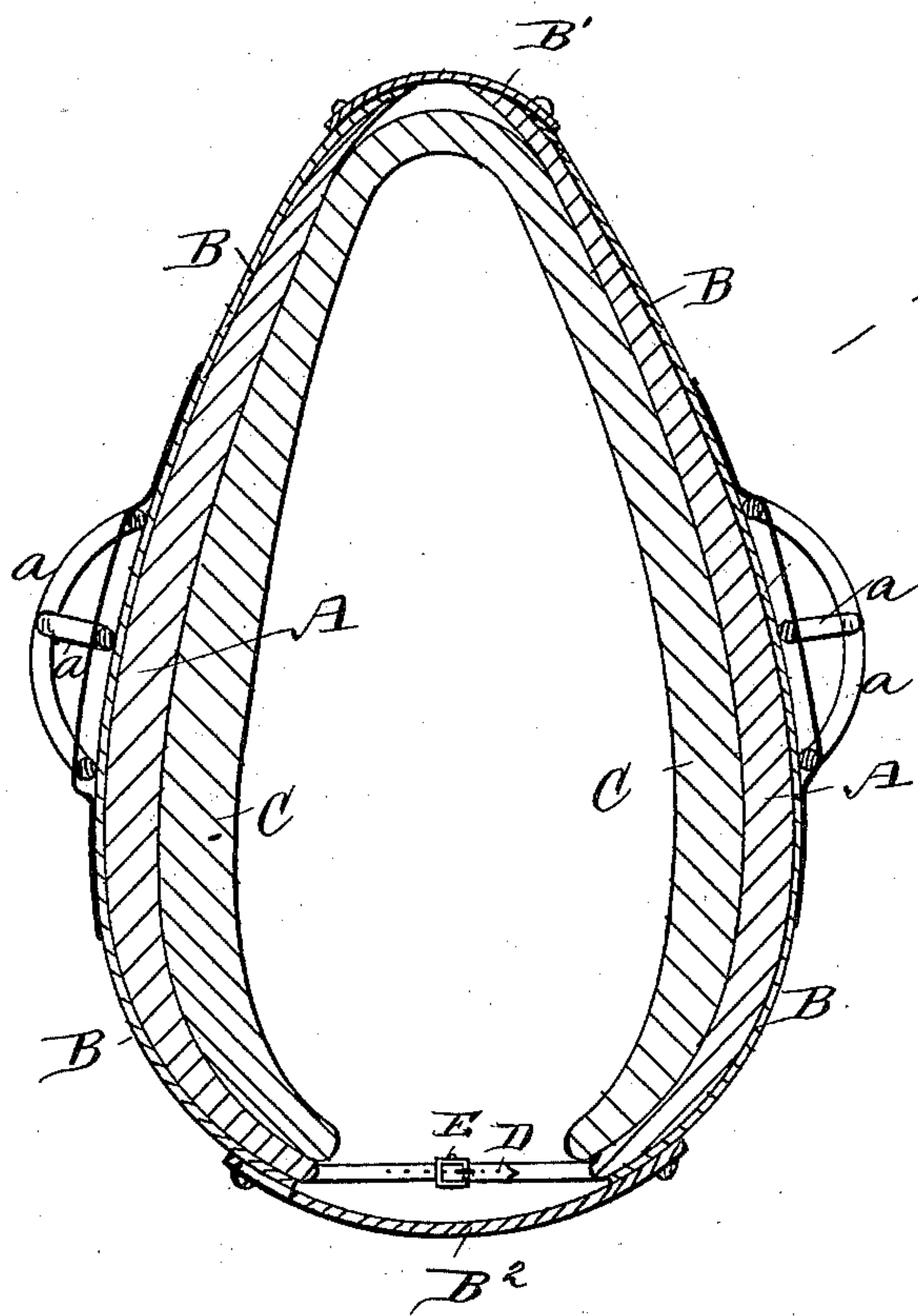
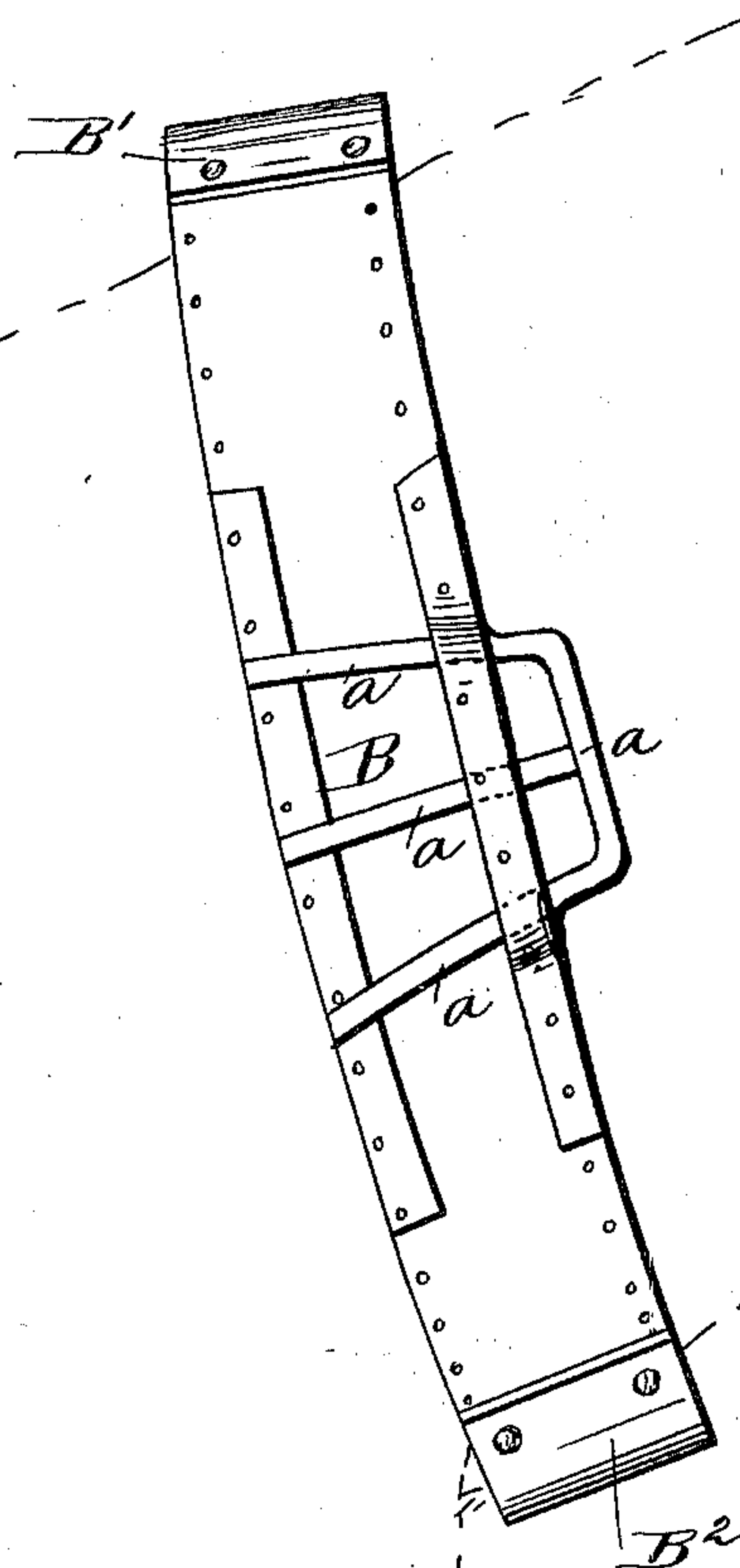


Fig. 3

Fig. 2.



WITNESSES:

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MOSES HUMBER, OF CALLIOPE, IOWA.

COMBINED COLLAR AND HAME.

SPECIFICATION forming part of Letters Patent No. 286,010, dated October 2, 1883.

Application filed March 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, MOSES HUMBER, of Calliope, in the county of Sioux and State of Iowa, have invented a new and Improved Combined Horse-Collar and Hame, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved horse-collar and hames that shall abate the sufferings of the horse from sore shoulders, fitting closely to the neck of the animal, and being very strong and durable.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional elevation of my improved combined horse-collar and hames. Fig. 2 is a longitudinal elevation of the same. Fig. 3 is a detail view of the adjustable plate which unites the lower ends of the steel plates surrounding the collar.

The collar A, made of wood, is worked to the exact shape of the horse's neck, so that it will fit very closely against the same. The outer surfaces of the said collar are surrounded by plates B, of steel, which plates are about one-eighth of an inch thick, and are united to the wood along the edges and in various central parts by rivets, and at the upper ends they are united by a steel plate, B', riveted to the upper parts of the plates B, and at the lower ends they are united by steel plates B², riveted to the lower ends of one plate B and held to slide on the other plate B.

The combined steel and wood collar is provided on its inner surfaces with a cushion, C, adapted to fit closely on the animal's neck, and which eases the shocks produced by the vehicle.

The strap and buckle D and E attached to the lower ends of the steel plates B are used to draw the lower ends of the same together, so that the collar will fit closely against the horse's

neck. To each plate B three bars, a, are attached, to form loops projecting from the front edges of the plates, and also projecting outwardly from the plates, to which loops the draft-straps will be attached. As the loops are turned at right angles from the collar, a novel method of draft is formed, part of the draft being borne by the flat part of the neck, and thus permitting the shoulders of the animal to move more freely and preventing galling. To further diminish galling, the draft is set higher up on my improved collar than usual, so as to throw the draft more on the upper and steady part of the horse's shoulders, and the collar is also curved in a way to give the pendulously-moving shoulder more scope near the joint. The collar also prevents choking the animal, as the plates B at the strap D form a groove to receive and protect the wind-pipe from undue pressure.

The collar is very strong and durable, and can be adjusted to fit any horse.

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

1. The combination of the side plates, B B, carrying suitable draft-loops, and the end plates, B' B², connecting said side plates, the plate B² being made fast to one side plate and arranged to slide on the other, the whole adapted to serve in place of the ordinary hames, as described.

2. The side plate, B, provided with three bars, a a a, projecting outwardly from the front edge of plate B, and thus adapted to set at right angles to the collar, as shown and described.

MOSES HUMBER.

Witnesses:

SAMUEL T. DAVIS,

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