

No. 816,785.

PATENTED APR. 3, 1906.

J. EULBERG.

HORSE COLLAR.

APPLICATION FILED JUNE 10, 1905.

Fig. 1.

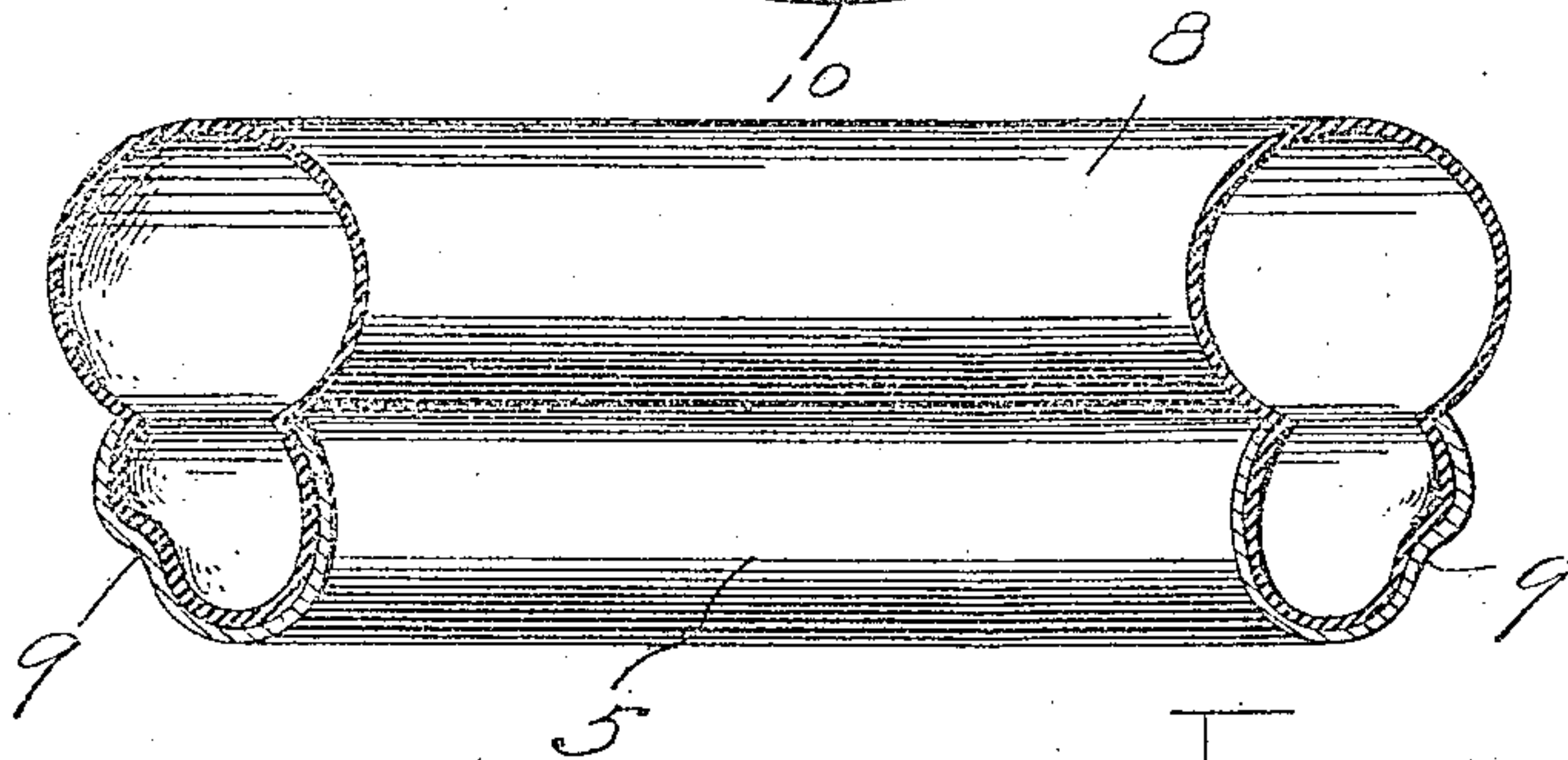
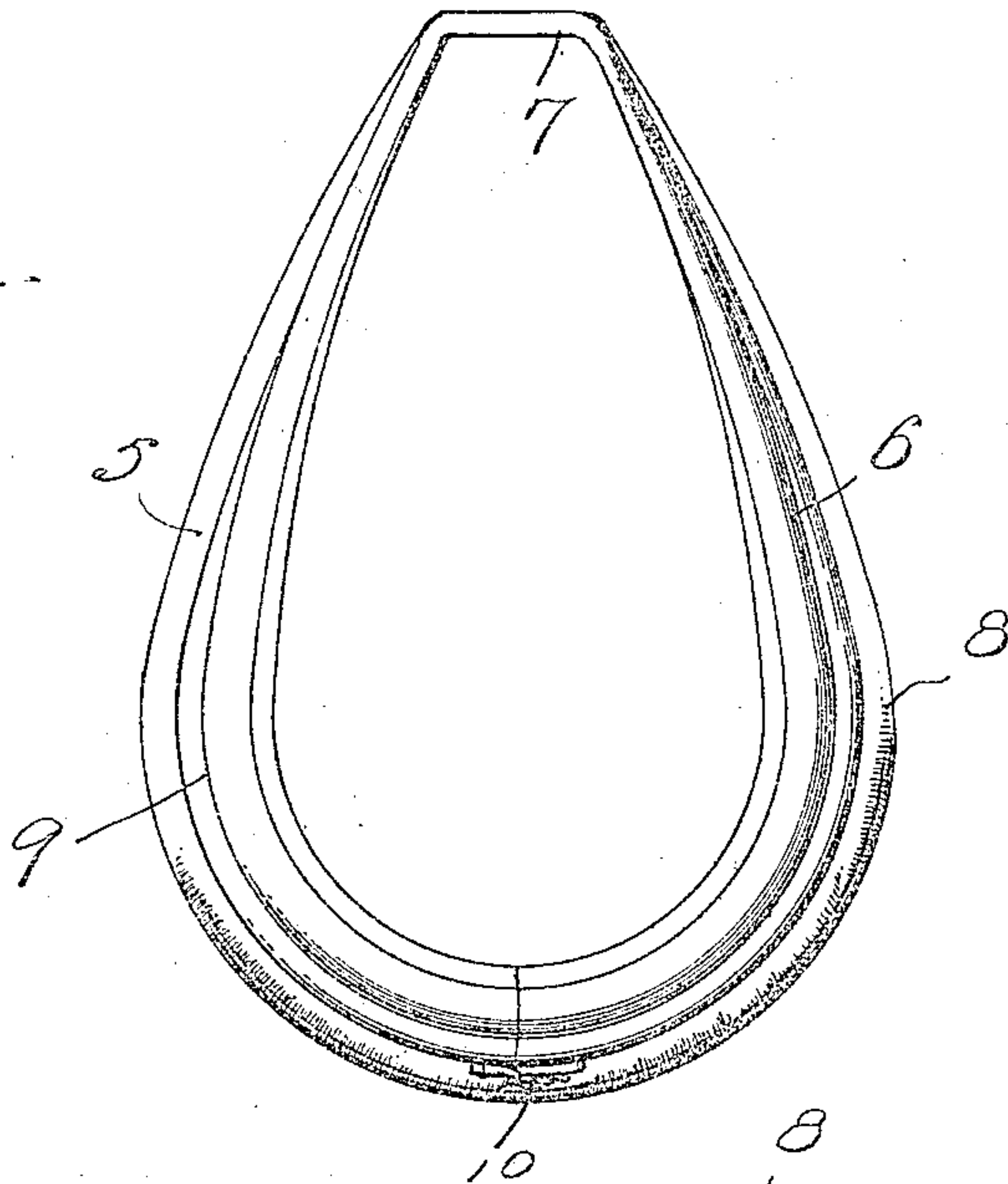


Fig. 2.

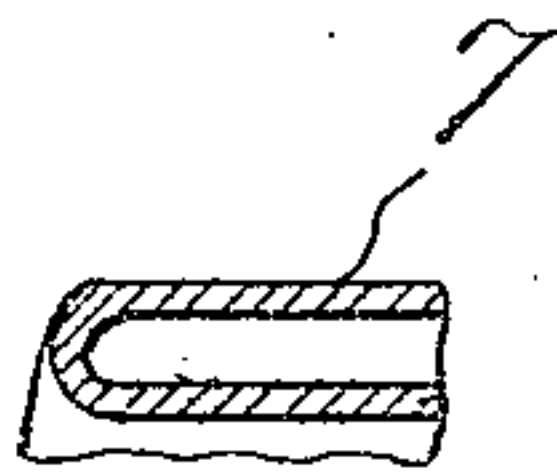


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH EULBERG, OF ALTON, IOWA.

HORSE-COLLAR.

No. 816,785.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed June 10, 1905. Serial No. 264,615.

To all whom it may concern.

Be it known that I, JOSEPH EULBERG, a citizen of the United States, residing at Alton, in the county of Sioux, State of Iowa, have invented certain new and useful Improvements in Horse-Collars; 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.

This invention relates to horse-collars; and it has for its object to provide a construction which will embody a pneumatic pad so arranged that when inflated it will be held securely to the frame of the collar and will adapt itself to the contour of the horse as the collar is shifted under working conditions.

A further object of the invention is to provide a collar which may be easily and quickly applied and removed without injuring the head of the horse.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is an elevation showing a collar embodying the present invention. Fig. 2 is a transverse section through both sides of the collar. Fig. 3 is a vertical section taken through the top of the collar.

Referring now to the drawings, the present collar comprises a frame which is formed of sheet metal pressed into proper shape. The collar-frame comprises two side members 5 and 6, having an integral spring connection 7 at their tops or upper ends. The entire frame is formed of a single blank of spring metal and includes two broadened end portions and a narrowed connecting portion. The whole blank is bent transversely or on a longitudinal line, the end portions being curved, while the middle portion is flattened. The end portions, which form the sides 5 and 6 of the collar-frame, have their free edges brought slightly toward each other, and into each of these hollow sides 5 and 6 is pressed a portion of a pneumatic pad 8, which is then inflated, so that the portion within the side of the frame expands and holds the pad securely to the frame, it being understood that the major portion of the pad lies outside the frame and in position to bear against the shoulder of the horse. The top portion 7 of the collar-frame being flattened

is more or less springy, while the side portions 5 and 6 are rigid because of their specific shapes, as will be understood. By reason of the springy top portion 7 the sides 5 and 6 may be moved toward and away from each other to abut the lower ends of the frame sides or to separate them, so that the collar may be slipped readily over the head of the horse. The outer face of each of the sides 5 and 6 has a groove 9 therein, formed by corrugating the metal, so that hames may be fitted to the collar, and the lower ends of the members 5 and 6 are provided with any suitable forms of fastening means, as illustrated at 10.

With the construction described it will be understood that the pad when deflated may be easily applied and removed and when inflated will be held securely in place, and, furthermore, that the portion of the pad outside of the frame will conform immediately to the contour of the horse and as the collar may be shifted in use.

What is claimed is—

1. A horse-collar comprising a spring-metal frame including side members and a connecting top portion, said frame consisting of a spring-metal blank curved transversely at its end portions and bent upon itself and flattened at its intermediate portion, said intermediate portion being bent longitudinally and a pneumatic pad held tightly within the inclosure of each of the side members.

2. A horse-collar comprising a spring-metal frame including side members and a connecting top portion, said frame consisting of a spring-metal blank curved transversely at its end portions and bent upon itself and flattened at its intermediate portion, said intermediate portion being bent longitudinally and a pneumatic pad held tightly within the inclosure of each of the side members, and means for holding the free ends of the side members together, the outer sides of the side members being each grooved longitudinally to receive a hame.

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

JOSEPH EULBERG.

Witnesses:

JOS. SCHNEE,
J. A. PINS.