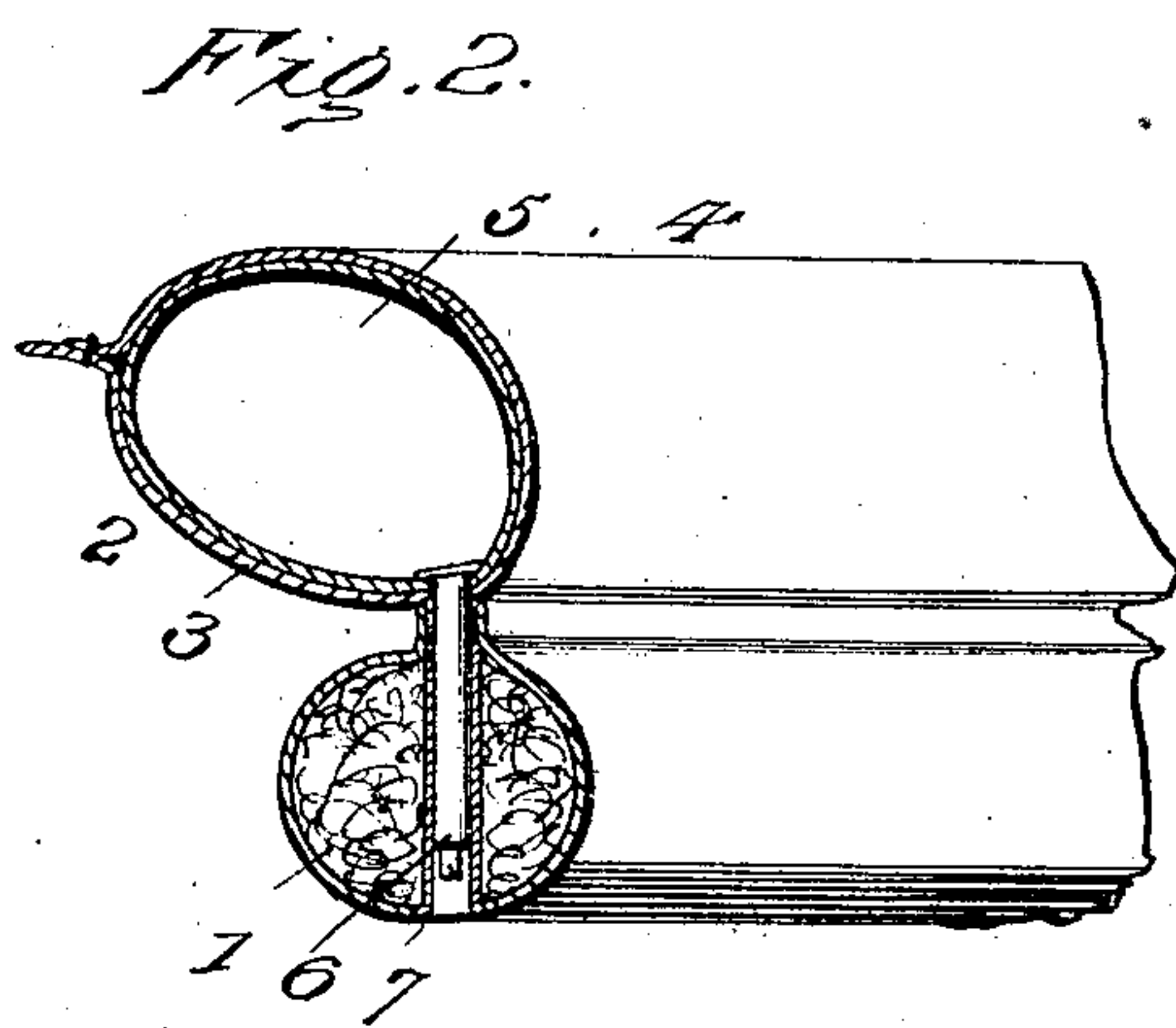
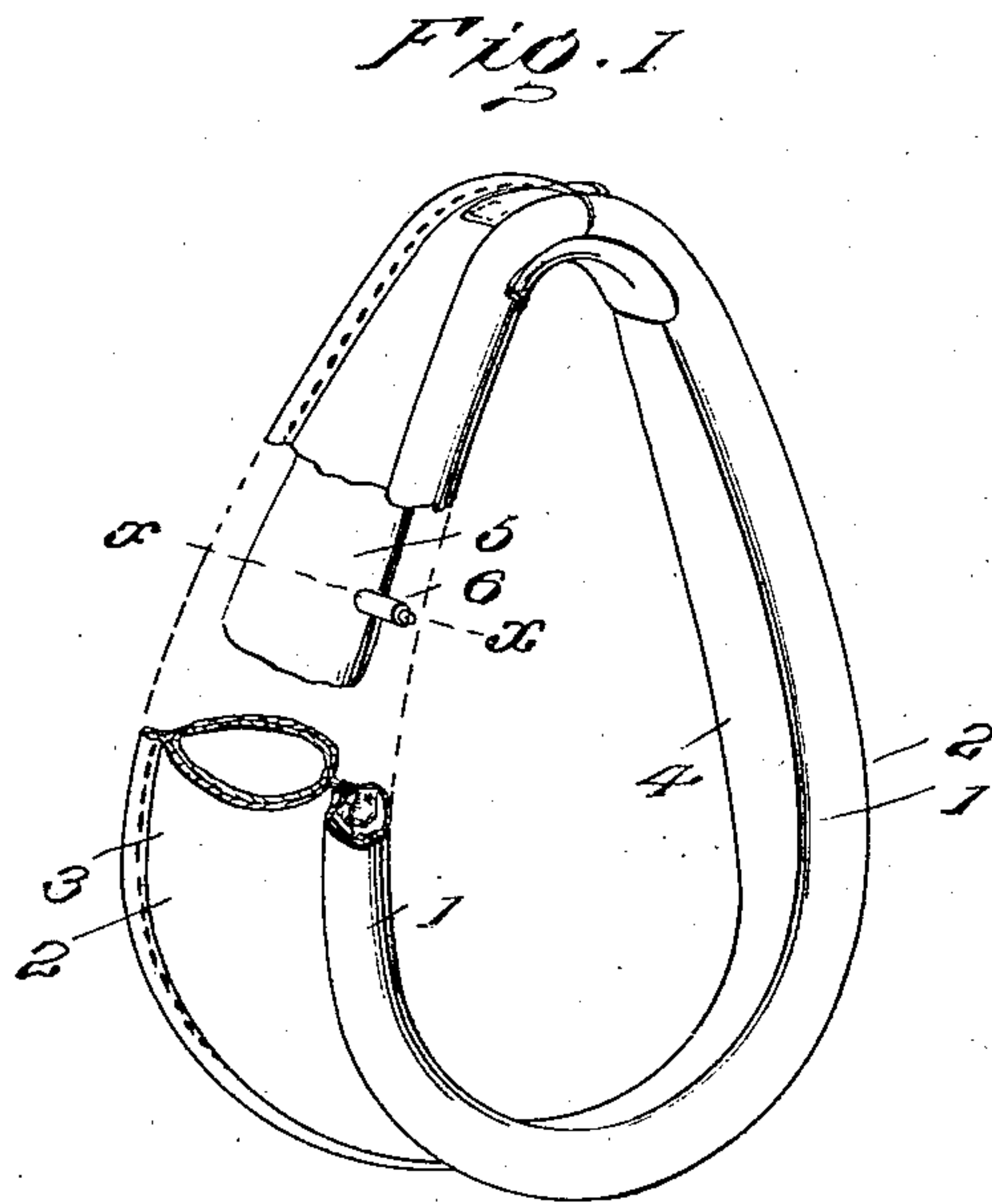


No. 880,756.

PATENTED MAR. 3, 1908.

H. R. RASMUSSEN.
PNEUMATIC HORSE COLLAR.
APPLICATION FILED OCT. 29, 1906.



Inventor

H. R. Rasmussen

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Attorneys

Witnesses

Witnesses
J. Murrie
H. V. Woodson

UNITED STATES PATENT OFFICE.

HENRY R. RASMUSSEN, OF AZTEC, TERRITORY OF NEW MEXICO.

PNEUMATIC HORSE-COLLAR.

No. 880,756.

Specification of Letters Patent.

Patented March 3, 1908.

Application filed October 29, 1906. Serial No. 341,106.

To all whom it may concern:

Be it known that I, HENRY R. RASMUSSEN, citizen of the United States, residing at Aztec, in the county of San Juan and Territory of New Mexico, have invented certain new and useful Improvements in Pneumatic Horse-Collars, of which the following is a specification.

This invention relates to horse collars of the pneumatic type and is designed to improve their construction generally and to protect the valve more particularly.

The type of collars aforesaid are more desirable than those that are stuffed with wool or other filling, since they are lighter, more cooling and conform more readily to the shoulders of the animal and thereby equalize and distribute the pressure and enable the animal to draw a heavier load because the pressure is not concentrated upon any one or more points so as to produce soreness.

In accordance with this invention, the body of the collar or that portion receiving the direct load or pressure is inflated, whereas the roll or wale is stuffed in the accustomed manner so as to stiffen the collar and maintain the proper shape thereof.

In the accompanying drawings forming a part of the specifications: Figure 1 is a perspective view of a horse collar embodying the invention, parts being broken away. Fig. 2 is a transverse section of one side of the collar, showing the parts on a larger scale.

In its general appearance, the collar is of ordinary formation and comprises the roll or wale 1 and the body portion 2. These parts may be formed separately or together, as found most advantageous in manufacture.

In the preferred construction, the roll or wale is separated from the body portion 2 and is attached thereto by stitching, the edge portions of the covering of the roll or wale embracing edge portions of the material forming the body portion. The roll or wale 1 is stiffened with suitable filling in the usual manner so as to maintain the shape of the collar and to limit the inward movement of the hames when placed in position. The body portion of the collar is hollow and comprises the covering 3 and lining 4, the two parts being stitched along their edges, the

outer portion of the covering 3 projecting slightly beyond the lining to form a flexible edge to protect the seam and conform more closely to the shoulders and breast of the animal. The collar is reinforced at its lower portion and at opposite sides corresponding to the position of the hames tugs.

The main or body portion 2 of the collar is inflatable and is supplied with a rubber tube or sack 5, which, when distended, conforms to the inner shape of the part 2 and holds the same expanded in substantially the same manner as the usual filling. The rubber tube or sack 5 is provided with an air valve 6 which may be of any construction such as provided for pneumatic devices to admit of inflating or deflating, as may be required. The valve 6 is set into a portion of the roll or wale 1 and is of a length so as not to project beyond the same and be in the way and liable to be struck and injured. The end of the valve to which the air pump and other inflating device is fitted, is protected by means of a tube 7 which is set into the roll or wale and surrounds the air valve.

From the foregoing it will be observed that the horse collar comprises a solid portion and a pneumatic portion, the latter fitting against the shoulders and breast of the animal and sustaining the load and pressure, whereas the solid portion maintains the shape of the collar and reinforces and stays the same. It is to be understood that a collar of the construction aforesaid is considerably lighter than the ordinary stuffed collar and is much cooler and conforms more readily to the shape of the shoulders and breast of the animal, hence prevents undue pressure upon any particular spot and which would be liable to produce callous and sore places and prevent the animal from working to its utmost capacity.

Having thus described the invention, what is claimed as new is:

In a horse collar, the combination of a wale 1 comprising a cover and filling material inclosed within the same, a body portion 2 consisting of a covering 3 and an oppositely disposed lining 4, the outer edges of the covering and lining being stitched together, and the edge of the cover projecting beyond the lining for the purpose specified,

while the inner edges of the covering and lining are received between the edges of the wale covering, a single line of stitching being employed for fastening the four thicknesses
5 together, a tube 7 extending through the wale, a pneumatic sack 5 fitted within the space between the covering 3 and lining 4, and designed to distend the same when in-

flated, and a valve 6 for the pneumatic sack, said valve being received within the tube 7. 10

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

HENRY R. RASMUSSEN. [L. s.]

Witnesses:

C. L. CAMERON,

GRANVILLE PENDLETON.