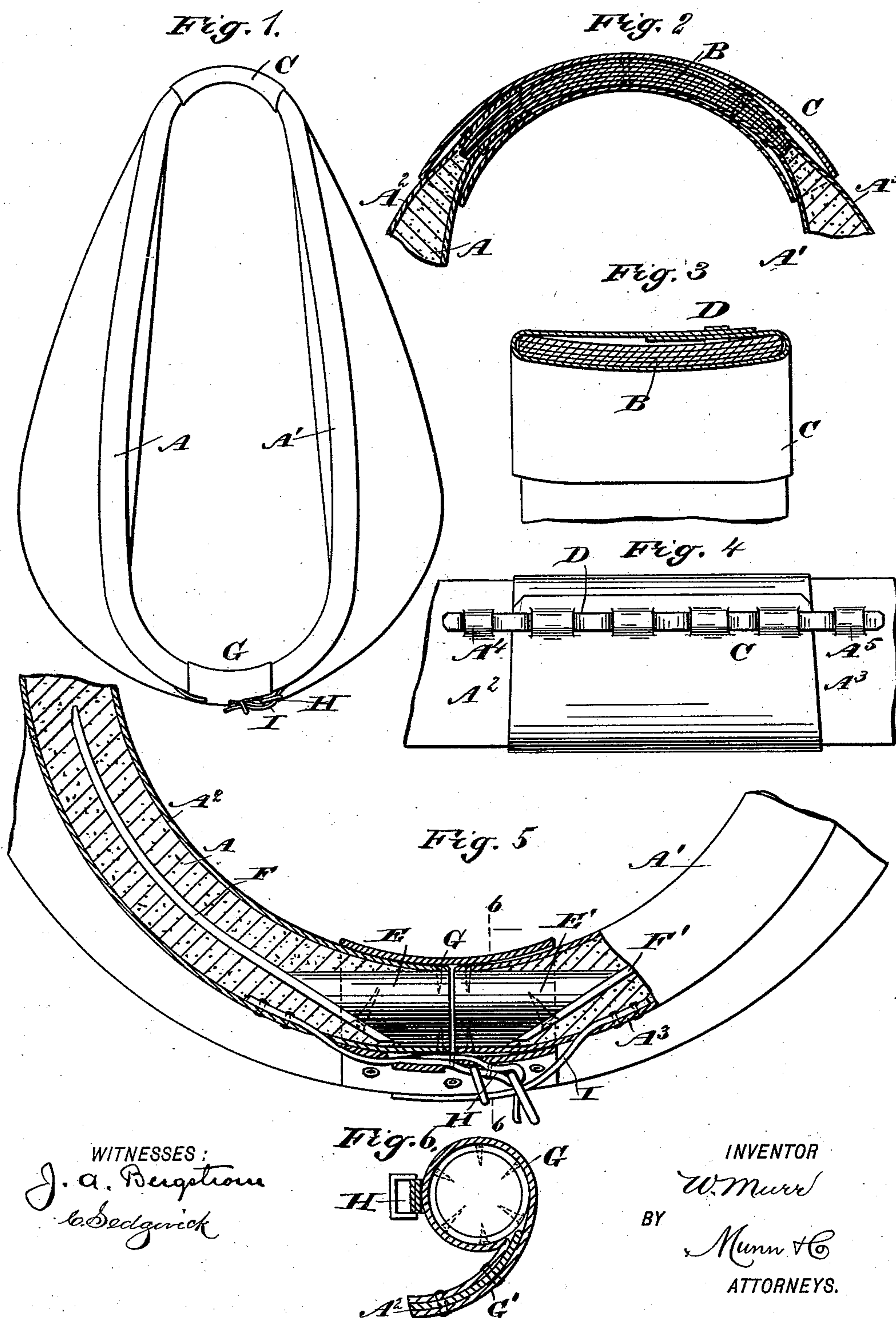


(No Model.)

W. MURR.
HORSE COLLAR.

No. 487,956.

Patented Dec. 13, 1892.



UNITED STATES PATENT OFFICE.

WILLIAM MURR, OF FOUNTAIN CITY, WISCONSIN.

HORSE-COLLAR.

SPECIFICATION forming part of Letters Patent No. 487,956, dated December 13, 1892.

Application filed March 15, 1892. Serial No. 424,998. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MURR, of Fountain City, in the county of Buffalo and State of Wisconsin, have invented a new and Improved Horse-Collar, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved horse-collar, which is simple and durable in construction, arranged to preserve its shape at all times, and adapted to be readily opened and closed at the throat.

The invention consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

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

Figure 1 is a front view of the improvement. Fig. 2 is an enlarged sectional front view of the upper end of the collar. Fig. 3 is a transverse section of the same. Fig. 4 is a plan view of the same. Fig. 5 is an enlarged sectional front view of the throat end of the collar, and Fig. 6 is a transverse section of the same on the line 6 6 of Fig. 5.

The improved horse-collar is provided with the two sides A and A', having the usual coverings A² and A³, respectively, stuffed with a suitable material to give the desired shape to the sides of the collar.

The upper ends of the sides A and A' are riveted or otherwise fastened to a top piece B, made of several pieces of leather fastened together by rivets or other means, so as to be pliable to conform to the shape of the neck of the animal, as is plainly illustrated in Figs. 1 and 2, the said top B permitting a convenient opening and closing of the lower or throat ends of the sides A and A', as will be more fully described hereinafter.

A sleeve C fits over the top B and part of the upper ends of the sides A and A', the overlapping sides of the said sleeve being secured together by means of a lacing-strap D, engaging with its ends loops A⁴ and A⁵, formed in the coverings A² and A³ of the sides A and A'. (See Fig. 4.)

In the throat ends of the sides A and A'

are arranged plugs E and E', respectively, riveted or otherwise fastened to the covering leather A² and A³ of the sides, the said plugs being inserted previous to stuffing the sides. The inner end of each of the plugs E or E' is beveled, as can be readily seen by reference to Fig. 5, and on the beveled ends are secured curved iron rods F and F', respectively, extending a suitable distance up the sides, so as to stiffen the latter, and also serving to assist in holding the plugs securely in place.

To the projecting flange of the covering leather A², near the throat end of the side A, are riveted the ends G' of a sleeve G, projecting a suitable distance from the plug E and adapted to be engaged by the throat end of the side A', so that the projecting end of the sleeve G forms a socket for the free end of the side A'. When the free end A' engages the socket or sleeve G, then the two plugs E and E' abut against each other, as is plainly shown in Fig. 5. As the plugs are securely held in place in the respective sides A and A', a further inward motion of the free ends of the sides is prevented, thus always limiting the closing of the throat end of the collar.

In order to fasten the free ends of the sides A and A' together, a buckle H is secured to the side A and is engaged by a strap I, fastened to the other side A'. When the free end of the side A' engages the socket G, the throat end of the collar can be securely locked in place by the strap I, engaging the buckle H.

It will be seen that by this construction the collar A can be readily opened or closed, the flexible top B serving as a hinge to conveniently swing the sides A and A' apart in opening the collar. The strap I and buckle H serve to lock the free ends in place and also to draw the free end of the side A' into the socket G until the two plugs E and E' abut one on the other.

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

1. A horse-collar whose stuffed sides A A' have each a plug fastened in their lower ends, the inner ends of the plugs being beveled, as

shown, and curved rods secured flatwise upon such beveled ends and extending upward in the middle of the stuffing, as shown and described.

- 5 2. A horse-collar whose sides are provided with a covering leather, a plug secured in each end of such covering, a rod extending upward from the inner end of each plug, and a stuff-

ing held in the covering and packed around the rods and against the plugs, as shown and 10 described.

WILLIAM MURR.

Witnesses:

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