

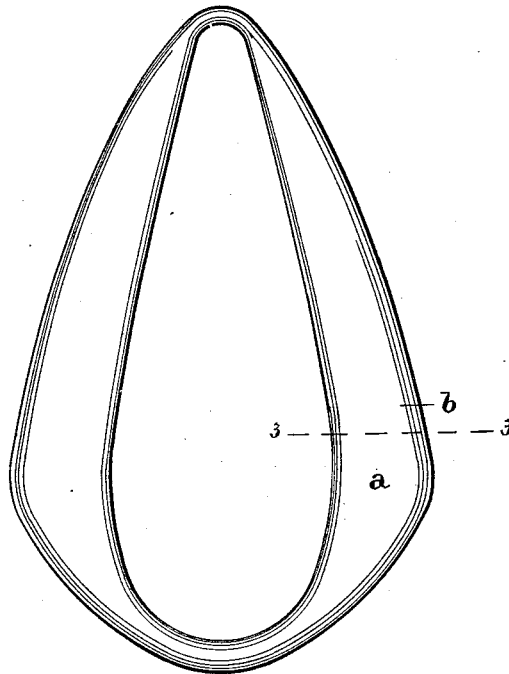
(No Model.)

H. B. MALDEIS.  
HORSE COLLAR.

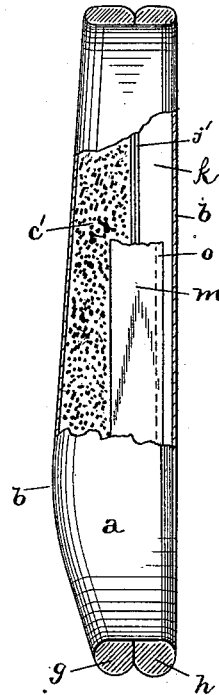
No. 386,409.

Patented July 17, 1888.

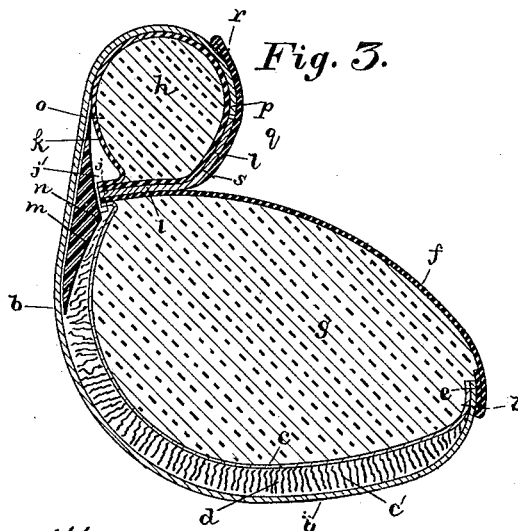
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY B. MALDEIS, OF BALTIMORE, MARYLAND, ASSIGNOR TO ISAAC BERGMAN, MEYER BERGMAN, AND MICHAEL BERGMAN, ALL OF SAME PLACE.

## HORSE-COLLAR.

SPECIFICATION forming part of Letters Patent No. 386,409, dated July 17, 1888.

Application filed November 25, 1887. Serial No. 256,077. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY B. MALDEIS, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Horse-Collars, of which the following is a specification.

My invention relates to an improved horse-collar, and is illustrated in the accompanying drawings, in which—

Figure 1 is a view of that side of the collar which comes in contact with the shoulders of the animal. Fig. 2 is a vertical section of the collar in which a part of the leather face is shown broken away to expose the inside construction to view. Fig. 3 is a cross-section, on a larger scale, of one side of the collar, taken on the line 3 3.

The body *g* and the front roll, *h*, may be stuffed with straw, in the usual manner. The inner facing, *a*, which comes in contact with the shoulders of the animal, has two thicknesses or plies of material, *b c*, substantially as shown in Letters Patent of the United States, dated December 14, 1886, and numbered 354,377. A space, *d*, may be formed between the two plies, to be occupied by wool, *e'*, as shown in the drawings, and as shown and described in said Letters Patent; or the two plies may be in close contact and without the wool. The two thicknesses *b c* are essential to this collar, but the wool padding *e'* is not. The two plies are united at the outer side of the collar by a seam, *e*. The outer or exposed face, *f*, of the collar-body is united to the two ply inner face at one side of the collar by a seam, *i*, and said outer face, *f*, is united to one (the inner) ply, *c*, of the inner face by stitching *j*. The front roll, *h*, has a leather or other suitable cover, *k*, the edges of which are united at *j*. A strip, *l*, of leather is interposed between the front roll, *h*, and the collar-body, and secured to its position by stitching at *j*. If desired, one row of stitching *j* may answer for uniting the three parts—the outer face, *f*, and one ply, *c*, of the inner face of the collar-body, the edges of the front roll cover, *k*, and securing the inter-

posed strip *l* to its position. The seam and crease *j'*, formed by joining or uniting of the above parts, is covered by a filling-strip, *m*, of leather or other suitable material. This filling-strip is thickest on a line down its longitudinal center *n*, and is beveled therefrom toward each edge, where it is thin. One thin edge of this strip is secured by stitching *o* to the cover *k* of the front roll and laps over the crease *j'*, and the central thick part, *n*, fills the depression of the said crease.

The outer ply, *b*, of the inner face of the collar extends from the seam *i* at one side of the collar across the inner face, *a*, over the filling-strip *m*, and around the front roll, *h*, to a point, *p*, where its edge meets the edge of the interposed strip *l*, as shown in Fig. 3. The two meeting edges at *p* are laced together in a well-known way. It will thus be seen that the function of the interposed strip *l* is to serve for attaching the edge at *p* of the outer ply, *b*.

The collar has a continuous smooth exterior surface formed by the outer ply, *b*, and on the face which comes next to the animal is free of the usual crease between the front roll, *h*, and body. This style of collar is known as the "Kay" collar, but they have not heretofore been constructed as here shown and described. The lacing at *p* of these parts is concealed by the facing-strip *q*, which may consist of enameled leather or other material. This facing-strip *q* is stitched along one edge at *r* to the outer ply, *b*, and laced along the other edge at *s* to the interposed strip *l*.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

The horse-collar herein described, having the body *g* and roll *h*, with the interposed filling-strip *m*, beveled toward its ends, substantially as and for the purpose specified.

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

HENRY B. MALDEIS.

Witnesses:

JOHN E. MORRIS,  
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