

G. LANG & H. SACKMANN.
DUTCH HARNESS COLLAR.

No. 179,800.

Patented July 11, 1876.

Fig. 1.

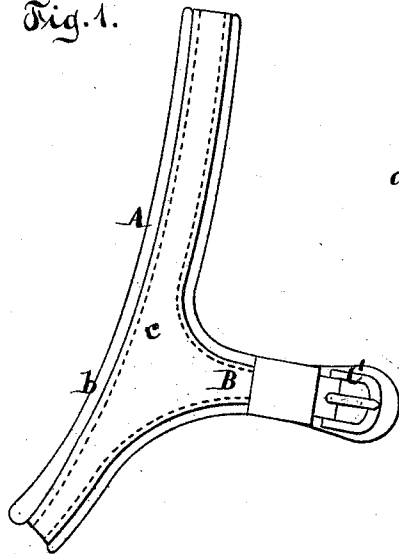


Fig. 4.

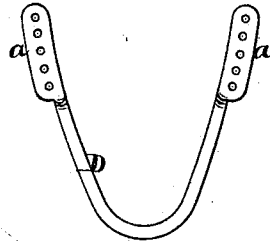


Fig. 3.

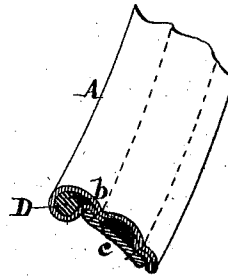


Fig. 2.

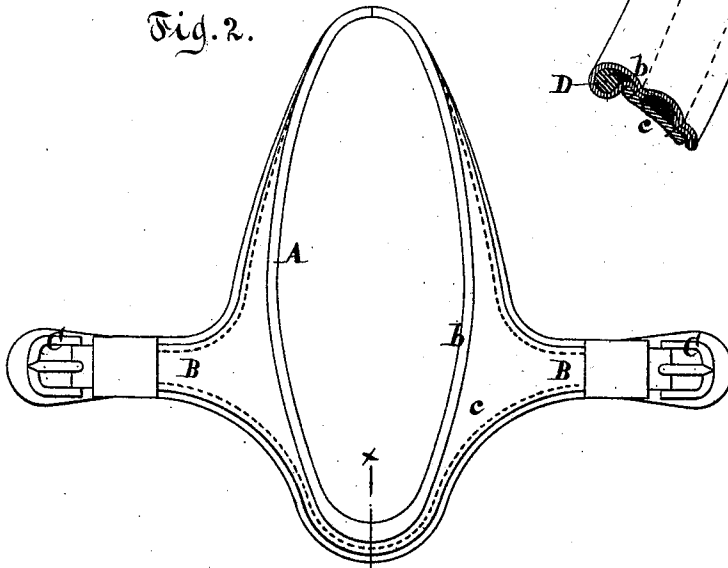
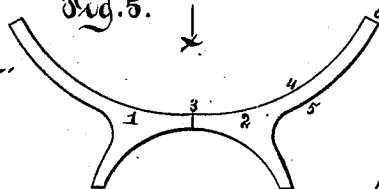


Fig. 5.



Witnesses.
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UNITED STATES PATENT OFFICE.

GEORGE LANG AND HINRICH SACKMANN, OF NEW YORK, N. Y.

IMPROVEMENT IN DUTCH HARNESS-COLLARS.

Specification forming part of Letters Patent No. **179,800**, dated July 11, 1876; application filed June 6, 1876.

To all whom it may concern:

Be it known that we, GEORGE LANG and HINRICH SACKMANN, both of the city, county, and State of New York, have invented a new and useful Improvement in Dutch Collars, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a side view of our improvement. Fig. 2 is a front view thereof. Fig. 3 is a cross-section in the plane *x x*, Fig. 2. Fig. 4 shows the stiffening-rib detached. Fig. 5 is a front view of the lining.

Similar letters indicate corresponding parts.

Our improvement is especially adapted to that class of collars having elongated ears on the opposite sides thereof for the attachment of the traces of a harness; and it has for its object to so construct such collars as to obviate the contact thereof with the throat of a horse. To this end it consists in providing the collar with a pocket at the front edge, and near its lower part, for the reception of a stiffening-rib, by which a convex shape is given to that part of the collar in cross-section, and by this means the least possible extent of the inner surface of the collar is allowed to come in contact with the horse's breast, while his throat remains entirely free, the said pocket being constructed out of the lining of the collar, as hereinafter fully specified.

In the drawing, the letter A designates the body of a horse-collar, from the opposite sides of which project elongated ears B B, which are each provided with a buckle, C, or equivalent device, for the attachment of a trace. The upper portion of the collar is made flat in cross-section, and likewise the ears B B, while the lower portion of the collar is made convex or curved, as shown in Fig. 3, and a stiffening-rib, D, is applied to the outer edge of such lower portion of the collar. This rib D is preferably made of steel or other elastic metal, and of the form represented in Fig. 4, the end

part thereof being flattened, as at *a*, and being provided with holes, whereby it is riveted or sewed to the collar. The said rib D is inclosed in a pocket, *b*, formed at the outer edge of the collar, and which is formed by turning the lining over the rib at that point and fastening the same under the top piece *c*, the inner end of the lining being also fastened under this top piece. To permit of turning the lining over the rib D, so as to form the pocket *b*, we make the lining of two pieces of leather, 1 2, or other suitable material, (see Fig. 5,) which pieces are counterparts of each other, and are united at right angles at the lower end, as at 3. By thus uniting the pieces 1 2 at the lower end, the edge 4 thereof, which constitutes the forward edge of the lining, is rendered longer than the other edge, 5, after the lining has been united at the top end 6, and hence such edge 4 can readily be turned over the stiffening-rib D. By the application of the stiffening-rib D to the front edge of the collar a convexity is imparted thereto, whereby only the rear portion of the inner surface is permitted to come in contact with the horse on which the collar is placed, the front or stiffened edge being distended by the action of the rib D, and hence the throat of the horse is left free of contact with the collar.

What we claim as new, and desire to secure by Letters Patent, is—

A Dutch horse-collar provided with a pocket around its outer edge, formed by a double lining, and adapted to receive the stiffening-rib D, substantially as described.

In testimony that we claim the foregoing we have hereunto set our hands and seals this 1st day of June, A. D. 1876.

GEORGE LANG. [L. S.]
HINRICH SACKMANN. [L. S.]

Witnesses:

W. HAUFF,
CHAS. WAHLERS.