

I. LINDSLEY & J. MACKINTOSH.

Linings for Horse-Collars, &c.

No. 143,987.

Patented Oct. 28, 1873.

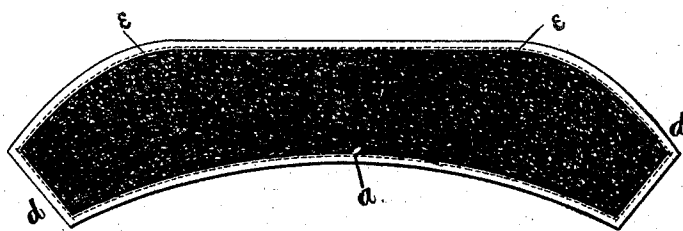


FIG. 1.

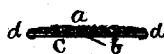


FIG. 2.

WITNESSES.

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ISAAC LINDSLEY AND JOHN MACKINTOSH, OF PAWTUCKET, R. I.

IMPROVEMENT IN LININGS FOR HORSE-COLLARS, &c.

Specification forming part of Letters Patent No. **143,987**, dated October 28, 1873; application filed July 24, 1873.

To all whom it may concern:

Be it known that we, ISAAC LINDSLEY and JOHN MACKINTOSH, of Pawtucket, in the county of Providence and State of Rhode Island, have invented certain Improvements in Harness and Equipments for Horses and other Animals, of which the following is a specification:

Our said invention relates to a new lining for the various articles of harness and equipments for horses and other animals; and consists of making said lining from and out of non-felting hair, or substantial imitations thereof, prepared substantially as hereinafter described.

The accompanying drawing is hereby made a part of this specification, similar letters of reference indicating corresponding parts.

Figure 1 of said drawing is a view of a sweat-collar lined in the manner and with the materials herein mentioned and described, said figure showing the under side or fibrous or hairy surface of said lining. Fig. 2 is a sectional view of the collar shown in Fig. 1.

a shows the said non-felting hair, or the said substantial imitations thereof. *b* is the back, on or to which the lining *a* is or may be stitched. *c* is a covering for said back *b*, which may be found desirable for sweat-collars, but which may be used or omitted at pleasure. *d* shows a binding around the edges of said collar, which may be used when desired. *e e* are lines showing the stitches or quilting where and by which the said non-felting hair, or the said substantial imitations thereof, are secured to the back by stitching.

The said non-felting hair, curled or uncurled, and the said substantial imitations thereof, may be prepared substantially as described in our Letters Patent of the United States, numbered 124,598, and dated the 12th day of March, A. D. 1872; or said non-felting hair, curled or uncurled, and the said substantial imitations thereof, may be simply moistened and pressed into sheets or other required shapes, said pressing being either hot, warm, or cold, and the substances aforesaid being either wet, moist, or dry before or during said pressing.

These sheets of non-felting hair, and the said substantial imitations thereof, prepared substantially as aforesaid, are to be cut to the required shape, and stitched or otherwise fastened on, or secured to, a back of cloth, leather, or other suitable material. In this condition it is easily applied to, or used with, the different articles of harness, or parts thereof, by any of the well-known methods, the back aforesaid being attached to the parts of the harness or equipments requiring the lining.

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

Linings of harness and other equipments for horses and other animals, made of the materials and in the manner substantially as described.

ISAAC LINDSLEY.
JOHN MACKINTOSH.

Witnesses:

THOS. P. BARNEFIELD,
OSCAR A. TANNER.