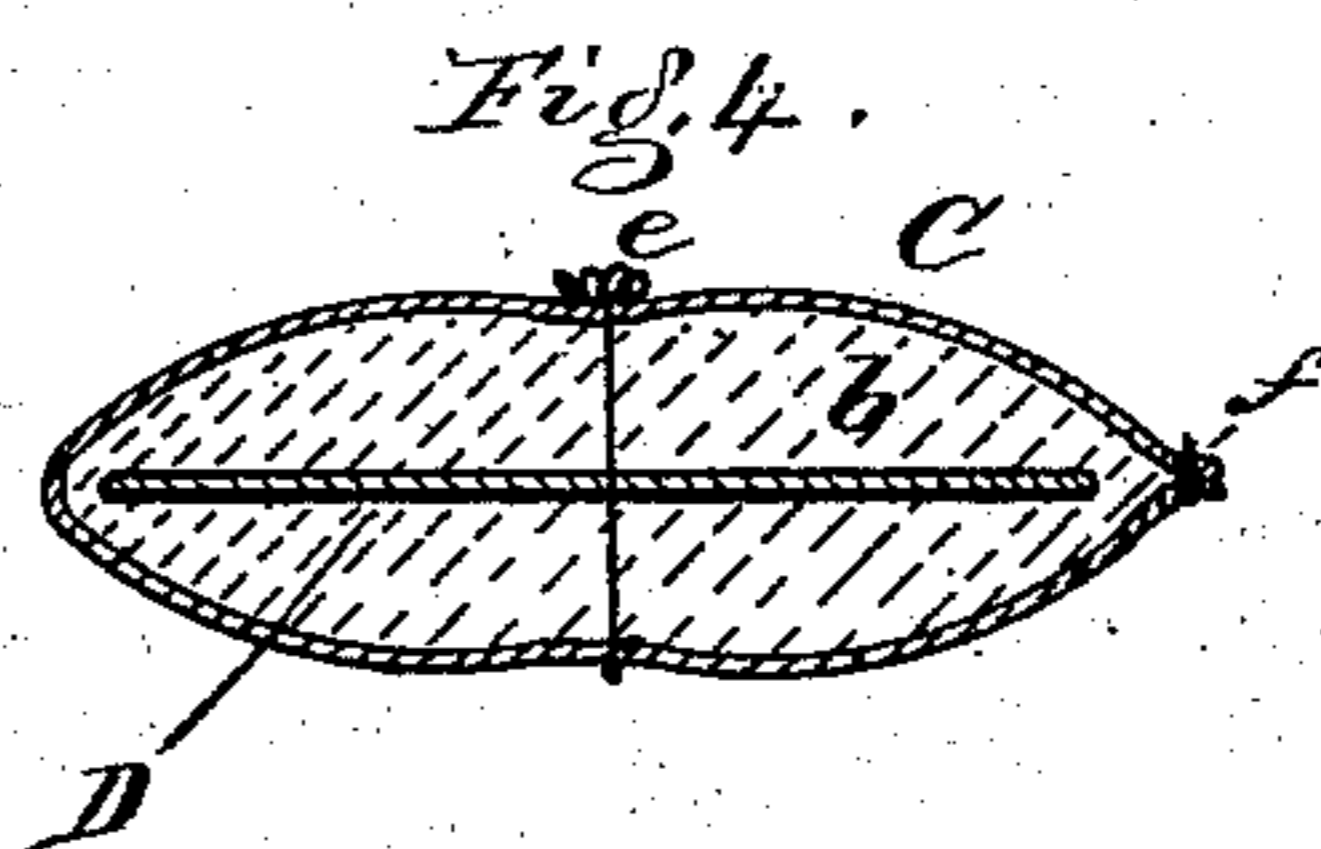
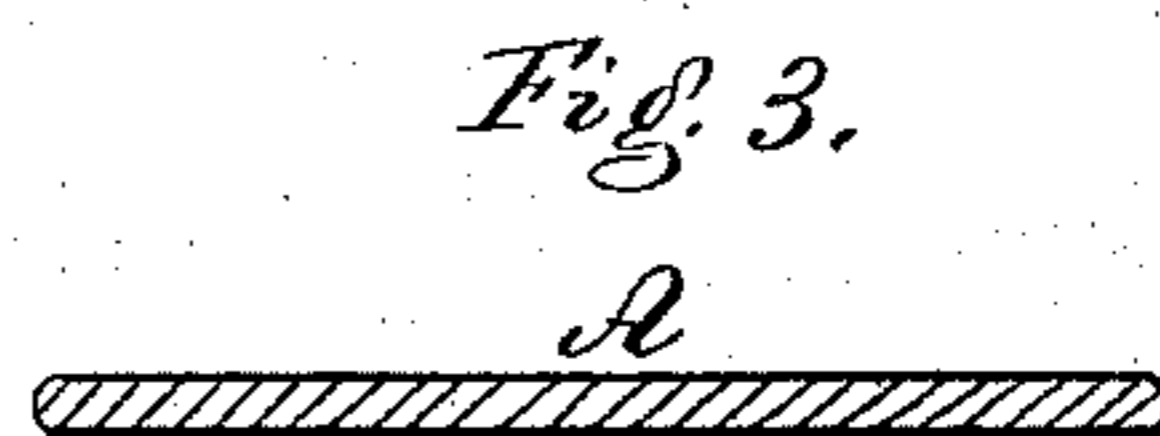
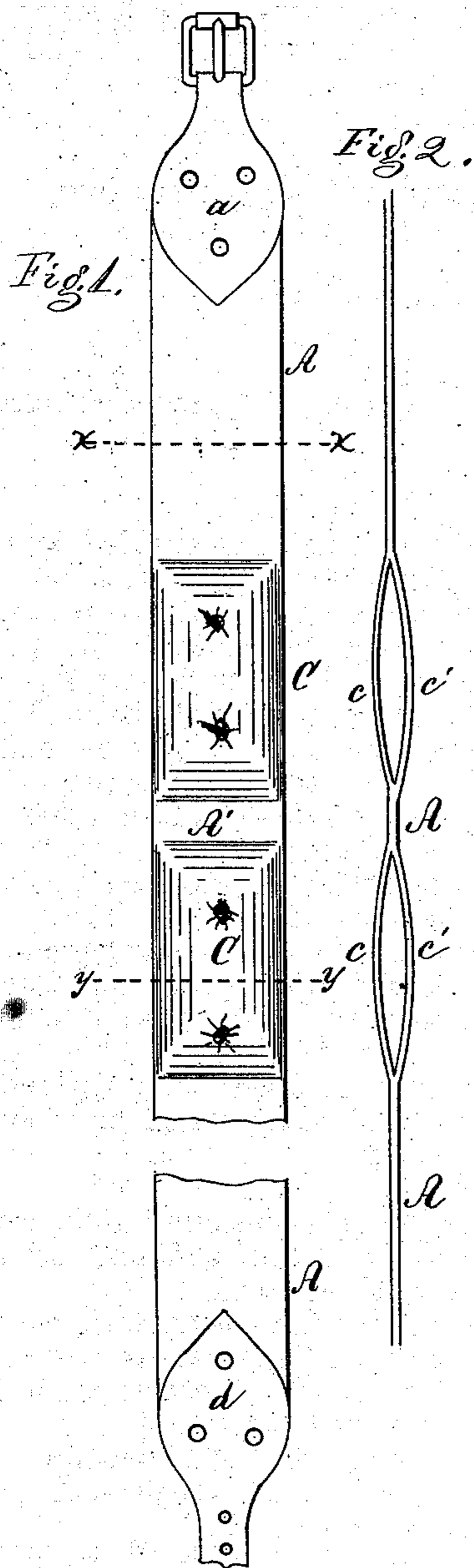


H. M. WITTER.
Surcingle.

No. 160,987.

Patented March 16, 1875.



Witnesses.
L. H. Latimer.
Wm. Pratt.

Inventor.
Henry M. Witter
PER Crosby & Gregory. ATTYS.

UNITED STATES PATENT OFFICE.

HENRY M. WITTER, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN SURCINGLES.

Specification forming part of Letters Patent No. **160,987**, dated March 16, 1875; application filed March 6, 1875.

To all whom it may concern:

Be it known that I, HENRY M. WITTER, of Worcester, in the county of Worcester and State of Massachusetts, have invented an Improved Surcingle, of which the following is a specification:

My invention relates to a surcingle for use in connection with horses, and in barns or other places; and consists in a surcingle made from a web woven for a portion of its length solid, and then for another portion with one edge open, or as an open pocket.

Figure 1 is a plan view of one of my improved surcingles. Fig. 2 is an edge view of the same as woven, and before being stuffed and finished. Fig. 3 is a cross-section on line *x x*, Fig. 1; and Fig. 4 is a cross-section on line *y y*.

In the drawing, A is a woven web of suitable width, length, thickness, and material. The ends of the web A are woven as one thickness, and so is the dividing-space A' between the pocket portions C C. These pocket-pieces are formed by splitting the warps forming the web, and allowing the shuttle with its filling to pass first through one portion of the warp and then through the other, as will be well understood by weavers, but at one side the selvages are not united by the filling, and so one edge is left double or two selvages, *c c'*, are formed. Were these selvages united the pocket-pieces would be woven tubular. By forming the pockets with open sides and

double selvages I am enabled to readily introduce the filling material *b*, of tow, wool, hair, cotton, or other suitable material, at the side, and then the sides of the pockets are united by stitching, preferably over and over, or with the button-hole stitch. The padded or stuffed pockets C C may be made rigid in a measure by the introduction of pieces of leather or leather-board, or other stiffening material D; and then the pocket-pieces are tufted, and the end pieces *a a* put on to complete the surcingle.

This web with double selvages may be found desirable for other purposes. The parts A and C may be of any desired lengths. The pocket could be woven open at one side or between the selvages, the warp and weft being split and manipulated as when weaving button-holes.

I claim—

1. A surcingle consisting of the webs A and C, the latter having a double selvage, substantially as described.

2. A woven surcingle having a portion thereof woven of single thickness, and other parts of double thickness to receive padding or stuffing, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

Witnesses: HENRY M. WITTER.
J. A. WARE,
J. B. SYME.