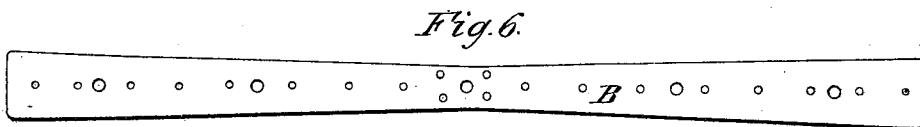
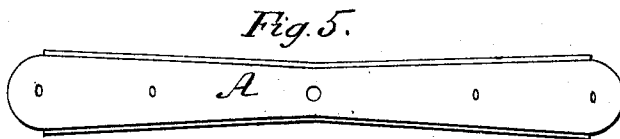
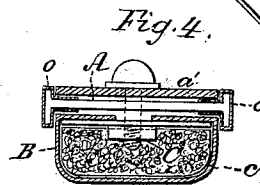
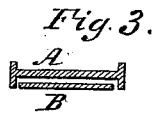
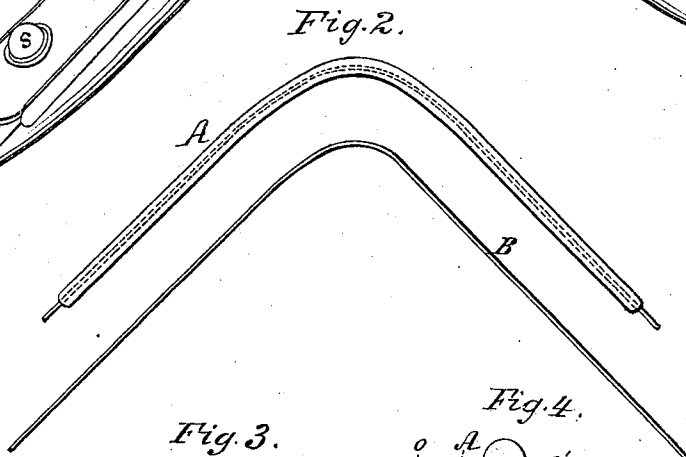
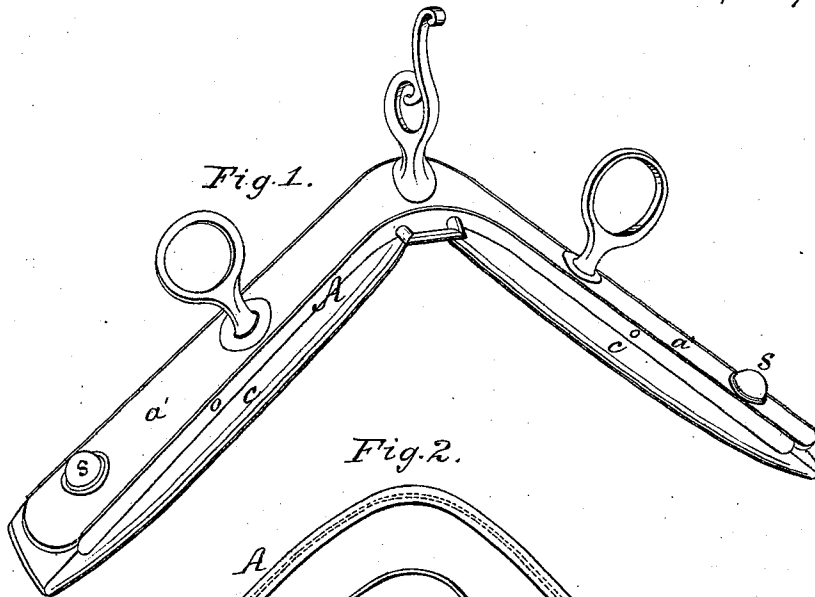


M. C. Swift.

Harness Saddle.

N^o 87,078.

Patented Feb. 16, 1869.



Witnesses.
M. H. Ritch.
M. N. Cooley.

Inventor.
Henry C. Swift

United States Patent Office.

HENRY C. SWIFT, OF FOND DU LAC, ASSIGNOR TO HIMSELF AND GEORGE W. GRAVES, OF OSHKOSH, AND SAID SWIFT ASSIGNOR TO GEORGE CAMERON, OF OSHKOSH, WISCONSIN.

Letters Patent No. 87,078, dated February 16, 1869.

IMPROVED HARNESS-PAD.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HENRY C. SWIFT, of the city of Fond du Lac, in the county of Fond du Lac, and State of Wisconsin, have invented a new and useful Improvement in Harness-Pads; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification.

The nature of my invention consists in the use of a double-flanged and a flexible metallic pad-plate, and the adaptation thereto and combination therewith of the usual accessories, and thereby greatly simplify and reduce the cost of construction, and at the same time preserve beauty in finish, and enhance the durability, by reason of the absence of the usual stitching, and its exposure to the weather, absence of the usual shrinkage, and the utilizing of the hook, terrets, and pad-screws, as a means of fastening and binding the several parts together, as a complete whole, in such a manner that the same may be not only simplified in construction, but likewise easily taken apart, and readily repaired, as occasion may require.

Figure 1 is a perspective view.

Figure 2 is a longitudinal section, showing the metallic flanged pad-plate A, and flexible metallic pad-plate B.

Figure 3 is a vertical section of A and B.

Figure 4 is an enlarged vertical section, cutting through one of the pad-screws S.

Figure 5 is a top view of the pad-plate A.

Figure 6 is a top view of the flexible pad-plate B, flattened out.

A is a harness-tree, or pad-plate, constructed of metal, with a flange on each edge, projecting above and below the plate, provided with openings to receive the usual hook, terrets, and pad-screws.

The flanges may be plated, japanned, or covered with a thin leather binding, O, secured as seen in fig. 4.

The top recess between flanges, is of proper depth

to receive a filling, *a'*, of patent leather, or other material, fitted to the width and depth of opening; or the binding of flanges and filling, with the upper portion of the flange, may be dispensed with, and the plate and flange japanned or plated.

B is a flexible metallic plate, somewhat narrower in width than the opening between the flanges of the plate A; is likewise provided with openings, to receive the hook, terrets, and pad-screws, and with nuts on the under side, either stationary or movable; and is also perforated with thread-holes, whereby the cushion, C, may be basted thereto. This plate is constructed of sheet-metal, and made flexible, that it may be flattened for greater convenience and economy in construction.

The cushion being basted to the plate, the leather covering C', fig. 4, is crimped or drawn over the whole, and looped or basted together on the back of the flexible plate. Thus constructed, the plate, with the cushion covered, is ready to be inserted in and attached to the flanged plate A, the hook, terrets, and pad-screws are inserted in their proper place, and the whole screwed firmly together, as seen in fig. 1.

Thus the two plates A and B, the binding of the flanges O, the facing *a*, on the top of the flanged plate A, the cushion C, and the covering C', are firmly bound and held together, as seen in fig. 4, obviating any necessity for stitching or sewing, and the usual shrinkage, and greatly simplifying and cheapening the construction.

What I claim as my invention, and desire to secure by Letters Patent, is—

The double-flanged metallic pad-plate A, when used in combination with the flexible metallic plate B, cushion C, and binding O O, all constructed and arranged as herein described.

HENRY C. SWIFT.

Witnesses:

FRANK W. FOLLETT,
GEORGE A. FOLLETT.