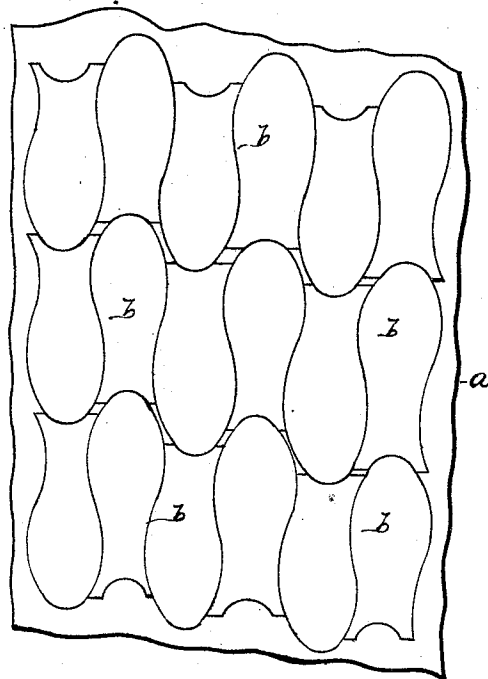


JOSEPH WOODLEY.

Cutting Soles from Sides of Leather.

No. 128,271.

Patented June 25, 1872.



WITNESSES.

H. Carlisle
J. F. Rogers

INVENTOR.

Joseph Woodley by
Dyer, Beader & Co.
attys.

UNITED STATES PATENT OFFICE.

JOSEPH WOODLEY, OF QUEBEC, CANADA, ASSIGNOR TO WOODLEY HEEL AND SOLE CUTTING COMPANY, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN MODES OF CUTTING SOLES FROM SIDES OF LEATHER.

Specification forming part of Letters Patent No. 128,271, dated June 25, 1872.

To all whom it may concern:

Be it known that I, JOSEPH WOODLEY, of the city of Quebec, in the district of Quebec, in the Province of Quebec, boot and shoe manufacturer, have invented a novel Method of Cutting Shortened Soles from the whole Hide or Side; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention consists in a novel method of cutting shortened soles from whole hides or sides, as will be fully described hereinafter.

In the drawing, a plan view of a side of leather is represented, with lines indicating the manner of cutting the soles.

To enable others skilled in the art to make and use my invention, I will now proceed to describe my improved method.

a represents the side of leather from which the soles are to be cut. *b* represents the form of the sole which is shortened. It will be observed by cutting off the heel end. Its peculiarity consists in cutting the line of the heel, not in a straight line, but in a line curved to correspond with the toe of a sole, as indicated in the drawing.

The first sole having been cut at any suitable point upon the hide, other soles may be cut either to the right or left, as the case may be, care being taken in all cases, however, that the line of the shank upon one side of one sole coincides with the line of the ball of the adjacent sole or the space from which it

was cut, and the line of its ball with the line of the shank. In cutting up or down, the heel-lines should touch the toe-lines, or the opposite, in all cases; or, rather, they should extend to the space made vacant by the removal of the sole previously cut, as clearly shown in the drawing.

The toe-lines, it will be observed, project within the points of the heel a short distance, so that a portion of the heel-line is cut away, by which means about four per cent. of material is saved over the method of cutting the heel-lines straight across.

By means of my improved method an entire hide can be economically cut without waste, and without making it necessary that any part of the good stock shall be used for an inferior purpose.

I do not claim broadly a method of cutting shortened soles from a whole hide or side; but

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The described method of cutting soles, with the line of the toe projecting into the central portion only of the heel-line, substantially as described.

Montreal, 21st day of August, A. D. 1871.

JOSEPH WOODLEY.

Witnesses:

JOHN L. SMALLEY,
JAMES WOODLEY.