

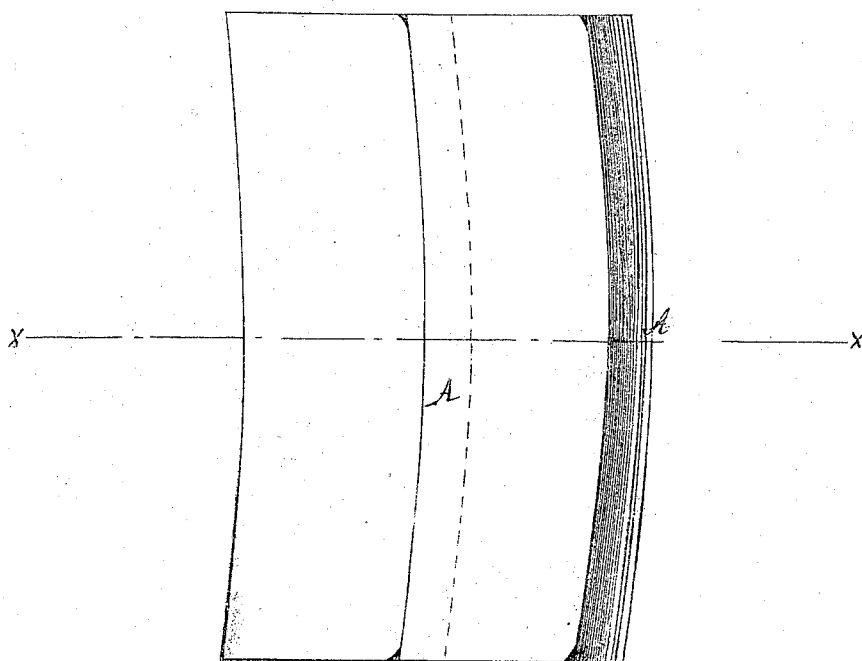
*S. C. Phinney. Manufacture of Boots &*

*No 86779*

*Shoes.*

*Pat. Feb. 9, 1869*

*Fig. 1.*



*Fig. 2.*



*Witnesses,*

*Wm Dean Overell*

*G. L. Cotton*

*Inventor,*

*S. C. Phinney*

*per Murray*

*Attorney*

# UNITED STATES PATENT OFFICE.

S. C. PHINNEY, OF STOUGHTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF  
AND JOHN G. PHINNEY, OF THE SAME PLACE.

## IMPROVEMENT IN MANUFACTURING COUNTERS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. 86,779, dated February 9, 1869.

*To all whom it may concern:*

Be it known that I, S. C. PHINNEY, of Stoughton, in the county of Norfolk and State of Massachusetts, have invented a new and useful Improvement in the Manufacture of Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to an improvement in the method of cutting leather in the manufacture of boots and shoes; and it consists in so cutting the leather that a great saving is secured in both material and labor, as will be hereinafter more fully described.

Figure 1 represents the manner in which the leather is cut. Fig. 2 is a cross-section of Fig. 1 through the line *x x*.

Similar letters of reference indicate corresponding parts.

My invention applies to the counters of boots and shoes, which counters, in the process of manufacture, have to be scarfed or beveled off, as seen in the drawing at A. The counters or

'shanks' are ordinarily cut square, or with the edge at right angles with the side of the leather, and they are then scarfed off with the shoe-knife. In carrying out my invention, I cut the leather to the exact shape, or separate the leather, as seen in Fig. 1, at A, where the scarf is indicated by the dotted line. By separating the leather in this manner a large percentage in the material is saved, and the labor is greatly lessened. In making this cut, it will be noticed that the true curve is preserved, so that in ordinary cases no alteration is necessary. I make this cut or separate the leather with a machine constructed for the purpose, but do not confine myself to the use of any machine for the operation.

I claim as new and desire to secure by Letters Patent—

Separating leather, as herein described, for the purposes specified, with the curve and the proper scarf-edge, without waste, substantially as set forth.

S. C. PHINNEY.

Witnesses:

JABEZ TALBOT, Jr.,  
J. ELMER TALBOT.