

G. BOIVIN.
Stiffener for Boots and Shoes.

No. 162,525.

Patented April 27, 1875.

Fig. 1.

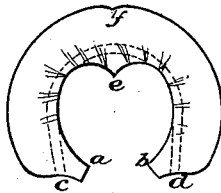


Fig. 2.

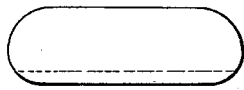


Fig. 3.

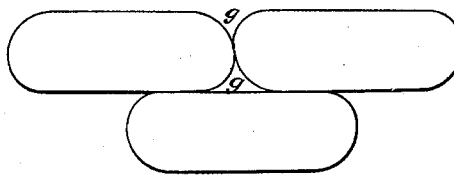


Fig. 4.

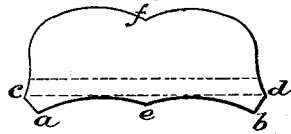
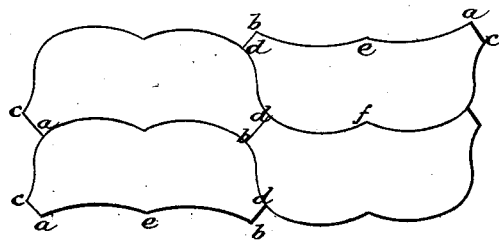


Fig. 5.



Attest:

H. B. Munn
J. W. Perkins.

Inventor.

Guillaume Boivin
C. M. Parks
Attorney.

UNITED STATES PATENT OFFICE.

GUILLAUME BOIVIN, OF MONTREAL, CANADA.

IMPROVEMENT IN STIFFENERS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **162,525**, dated April 27, 1875; application filed February 5, 1875.

To all whom it may concern:

Be it known that I, GUILLAUME BOIVIN, of the city of Montreal, in the Dominion of Canada, have invented a new and useful Improvement in Cutting Leather or other Material to be Shaped for Stiffeners of Boots or Shoes; and I do hereby declare the following to be a full and correct description of the same, reference being had to the accompanying drawings, in which the same letters designate corresponding parts in all the figures.

My invention consists in cutting stiffeners of the configuration shown in the drawings, with five projecting ears and a recess, so as to secure more room for sewing and pegging, and for the back seam, and yet making the curves and edges of one stiffener conform to those of another, so as to economize material in cutting the stiffeners from the stock.

Figure 1 shows the stiffener bent and shaped for the boot or shoe. Fig. 2 shows the stiffener as formerly cut. Fig. 3 shows the old method of cutting the stiffeners from the stock. Fig. 4 shows my stiffener with the five points and one depression, and Fig. 5 shows the manner of cutting my stiffeners from the stock.

The double dotted lines show where the stiffener is bent under the heel, and the portions I add to the old forms used before my invention, and as seen in Fig. 2, which did not leave enough material for pegging or sewing, as it did not cover the heel far enough under

it. Much material was lost by the old method, as may be seen in Fig. 3, where the space *g* was lost. I remedy these defects by leaving the projecting ears *a b*, as seen in Figs. 1 and 4. By giving more curve to the lower and upper part of the stiffener, I obtain the material for the ears, as seen at *a b*. I further provide, if desired, for more space for pegging or sewing, by leaving a point, *e*, and I obtain the material for it by leaving a corresponding recess or deflection, *f*, in the upper part of the stiffener. The point is seen in position at *e*, Fig. 1.

I curve and combine the ends *c d* of the stiffeners, so that by cutting them reversed, end to end, as seen in Fig. 5, they correspond, and little if any material is lost. The saving is considerable, and the superior quality of the work is better secured than before. The outlines given to stiffeners in cutting them after my method may be varied in many different manners; but

What I claim as my invention is—

A stiffener for boots and shoes, provided with the different parts *a b c d e f*, the whole substantially as and for the purpose hereinbefore described.

The above specification of said invention signed and witnessed at Montreal this 7th day of December, A. D. 1874.

G. BOIVIN.

Witnesses:

M. J. A. PRENDERGAST,
ED. CLÉMENT.