(No Model.)

G. VALIANT.

BOOT OR SHOE.

No. 364,147. Patented May 31, 1887.

Fig. 1.

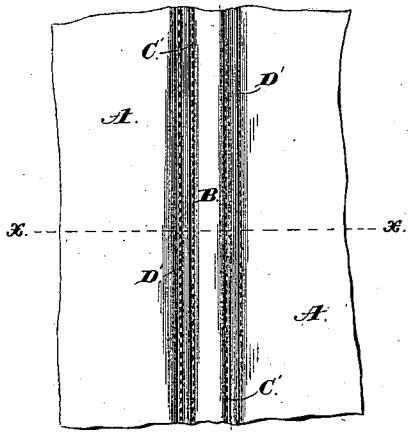


Fig. 2.

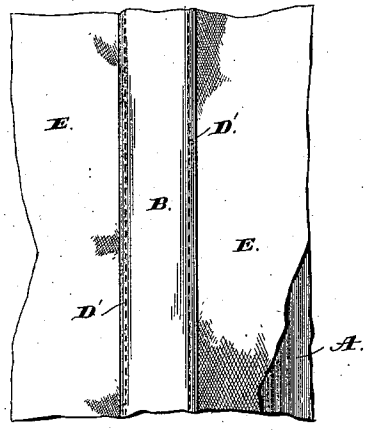


Fig. 3.

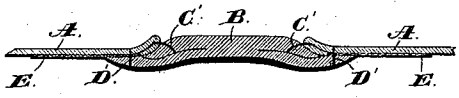
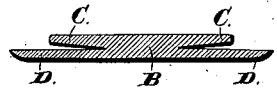


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE VALIANT, OF TORONTO, ONTARIO, CANADA.

BOOT OR SHOE.

SPECIFICATION forming part of Letters Patent No. 364,147, dated May 31, 1887.

Application filed April 11, 1887. Serial No. 234,406. (No model.)

To all whom it may concern:

Be it known that I, GEORGE VALIANT, of Toronto, in the county of York, Province of Ontario, and in the Dominion of Canada, have invented certain new and useful Improvements in Boots or Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view showing two pieces of leather connected together by my improved seam. Fig. 2 is a similar view of the same from the opposite side; Fig. 3, an enlarged sectional view of the same on line *x x* of Fig. 1, and Fig. 4 an enlarged detail view showing a transverse section of the welt-strip.

Letters of like name and kind refer to like parts in each of the figures.

The object of my invention is to provide an improved seam for attaching together the parts of boots, shoes, and other articles; and to this end my invention consists in the seam, with its construction and the arrangement and combination of its parts, as hereinafter specified.

My seam will be described and shown in this application as designed particularly for use in the manufacture of boots or shoes, and especially for the heel or back seam, to attach together the rear edges of the vamps or quarters; but, as will obviously appear, the seam is applicable elsewhere than in boot or shoe manufacturing. It can be used in very many other arts and manufactures where a good strong flat seam is wanted to join together two edges.

In the drawings, A A designate the two pieces of material whose edges are to be joined together. They are portions of a boot or shoe vamp or quarter, and are of leather. For joining their edges I employ the leather strip B, which I term a "welt-strip." Such strip, which is usually about three-eighths of an inch in width, I split along both edges, so as to leave a solid portion between the inner edges of the splits about one-eighth of an inch wide. This splitting forms two flaps along each edge of the strip. Of these flaps the two upper or outer ones, C C, I make narrower than the under ones, D D, for a purpose to be described.

As in using my seam for boots or shoes the edges of the lining can be connected together at the same time with the edges of the vamp or quarter sides and by the same welt-strip. I have shown portions of the shoe-lining at E E in place on the inner or under side of vamp-pieces A A. The edges of such pieces I attach to the edges of flaps C C by means of stitching C′ C′.

The under or inner flaps, D D, of the welt-piece extend under and cover the inturned edges of the vamp or quarter and flaps C C. The outer edges of flaps D D beyond the edges of the vamp or quarter, and beyond the seams attaching such edges to flaps C C, are secured to the vamp or quarter by means of the lines of stitching D′ D′, one for each flap.

When the lining E is in place, the stitching connecting the vamp or quarter and flaps D D passes through it and secures its edges firmly and securely between said flaps and vamp or quarter. By means of the welt-strips formed and connected with the vamp or quarter edges, as described, I provide a strong and flat seam, such as is especially desirable for the heel or back seams of boots or shoes. As indicated hereinbefore, however, I do not intend to limit myself to the welt-strip used in connection with the edges of the quarter or vamp of a boot or shoe, as such strips can be used in making a seam for attaching the edges of any two pieces of material where a strong and flat seam is desirable.

Having thus described my invention, what I claim is—

1. In combination with the two edges of material to be united, the welt-strip having along each of its edges two flaps, one narrower than the other, stitches fastening the narrow flaps to the edges to be joined, and stitches fastening the broader flaps to the material, substantially as and for the purpose set forth.

2. In combination with the welt-strip of leather, having along each of its opposite edges two flaps, of which the front or outer one is narrower than the other, the two edges of material to be united, stitches fastening such edges to the front or narrow flaps, and stitches fastening the other flaps to the material beyond the seams connecting the material edges and the narrow flaps, substantially as and for the purpose described.

3. A back seam for boots or shoes, consisting of the welt-strip, having along each of its opposite edges the two flaps, and suitable stitch-

ing connecting the edges of the quarter with such flaps, substantially as and for the purpose specified.

4. In combination with the edges of a boot or shoe quarter or vamp and of the lining, the welt-strip provided along each of its edges with the narrower outer and wider inner flaps, stitches fastening the quarter-edges to narrow flaps, and stitches connecting the wider flaps with the quarter and passing through the edges of the lining, substantially as and for the purpose shown.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of April, 1887.

GEORGE VALIANT.

Witnesses:
WILLIAM A. SARGENT,
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