

(No Model.)

W. B. ARNOLD.

BOOT OR SHOE AND WELT THEREFOR.

No. 324,352.

Patented Aug. 18, 1885.

Fig. 1.

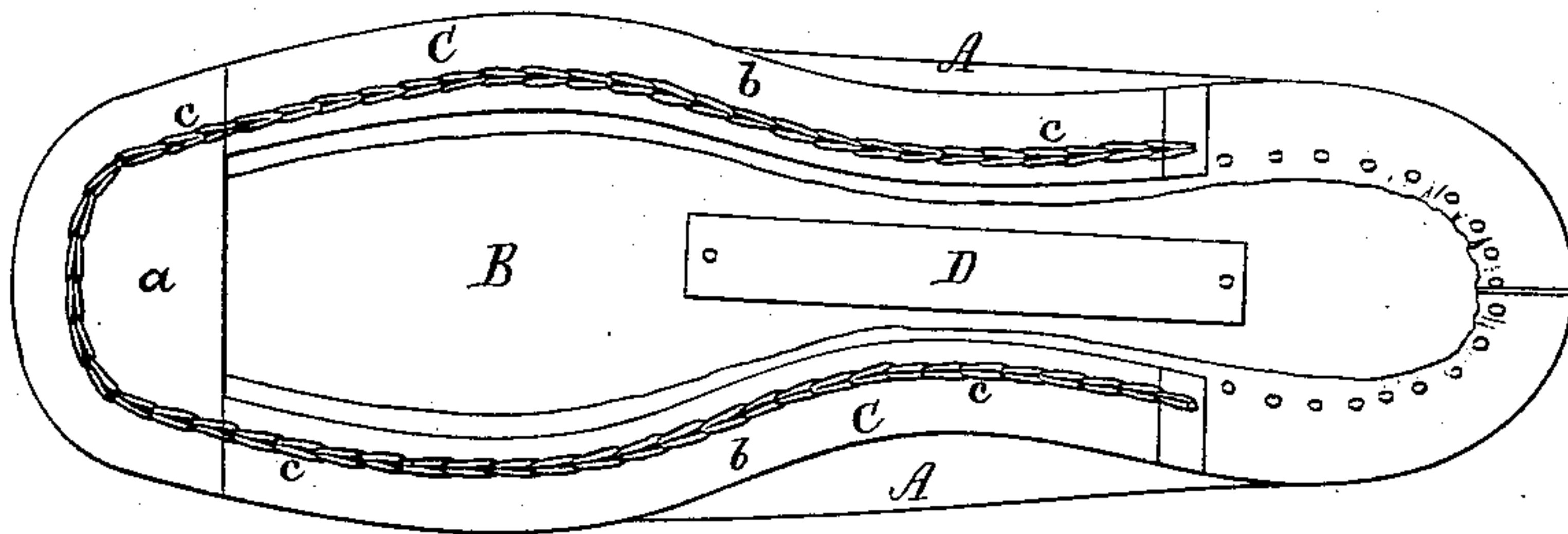


Fig. 2.

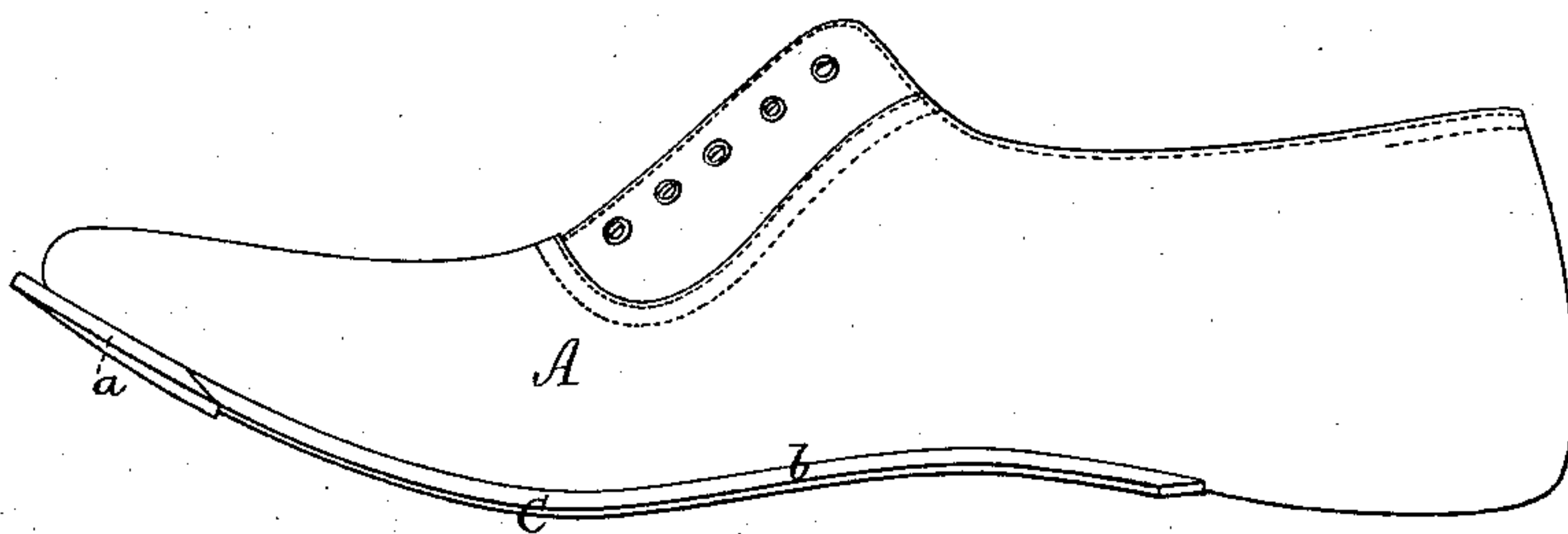
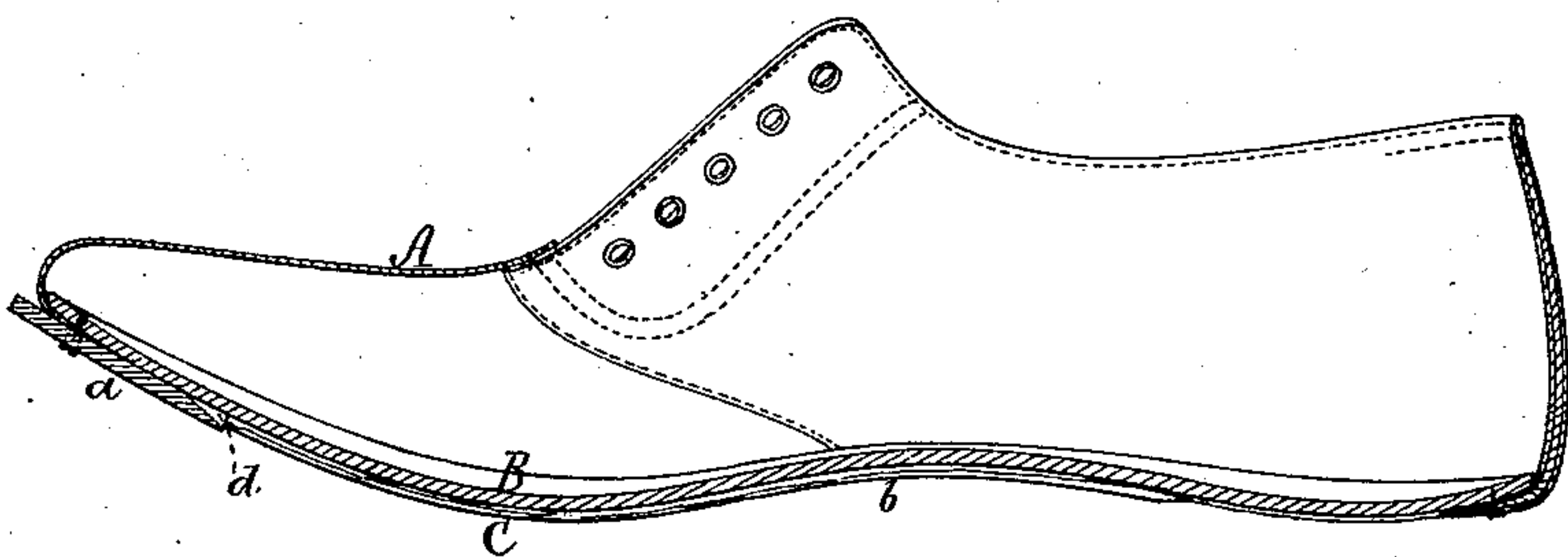


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM BENNETT ARNOLD, OF NORTH ABINGTON, MASSACHUSETTS.

BOOT OR SHOE AND WELT THEREFOR.

SPECIFICATION forming part of Letters Patent No. 324,352, dated August 18, 1885.

Application filed May 13, 1885. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BENNETT ARNOLD, of North Abington, in the county of Plymouth, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Shoes or Boots and Welts Therefor; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a bottom view, Fig. 2 a side view, and Fig. 3 a longitudinal section, of a shoe-upper welted in accordance with my invention, the nature of which is defined in the claims hereinafter presented.

In such drawings, A denotes the shoe-upper, B the inner sole, C the welt, and D the shank-stiffeners.

Instead of making the welt of a single strip of leather bent around at its middle to conform to the shape of the toe of the outer sole, I construct the welt in three separate parts, *a*, *b*, and *b*, the toe portions *a* being a flat piece of leather semicircular in shape or approximating thereto. The other two flanking portions, *b*, are strips of leather of suitable length and equal, or about so, in width. The said strips at their front ends are beveled or scarfed and cemented to the toe portion, which is beveled at its rear edge to lap on the flanking portions. After the welt is thus made it is to be laid upon the laps of the upper on the insole, and connected to such laps and insole by stitching *c*, going through them and such welt, the stitching being produced usually by a McKay sewing-machine.

The toe portion *a* of the welt forms with and across the insole and the laps of the upper a pocket, *d*, for reception of the end portion of the filling-piece that is usually inserted in the space encompassed by the welt preparatory to the application of the outer sole to the said welt and the sewing of the welt thereto.

By my mode of making a welt I avoid the gathering or puckering and overstraining that

result when the welt is composed of a single strip of leather bent at its middle to the contour of the toe of the outersole, and, besides, I not only avoid the necessity and the labor of paring down such puckering that is often necessary, but can generally produce the welt cheaper or from waste pieces of material.

By having the toe portion of the welt semicircular or thereabout in form and scarfed along its rear or diametric edge, and extended across the insole and the laps of the upper thereon so as to form a pocket to receive the front part of the filling, such filling is better supported and held in contact with the insole than would be the case with a welt bent around the toe and secured to the insole and upper close to the inner edge of such welt.

I claim—

1. A shoe or boot welt composed of the flat piece *a*, to extend across the toe of the shoe, and of two separate flanking portions, *b*, to extend from such flat portion along the sides of the shoe, such three portions being scarfed and lapped on one another and cemented together between the laps, substantially as set forth.

2. A boot or shoe provided with a toe-piece substantially as described serving as part of the welt, and also to form with the insole a pocket to receive the front portion of the filling-piece encompassed by the welt.

3. The combination, with a shoe upper and insole, of a welt composed of a flat toe portion and two flanking strips separate and extending therefrom and scarfed together, as set forth, the toe portion being extended across the insole and forming therewith a pocket to receive the toe portion of a filling-piece when placed between the flanking portions of the welt.

WILLIAM BENNETT ARNOLD.

Witnesses:

MARIESTA D. HOWLAND,
ELIZABETH D. SCHOULER.