

F. M. HOYT.  
Shoes.

No. 210,695.

Patented Dec. 10, 1878.

Fig. 1.

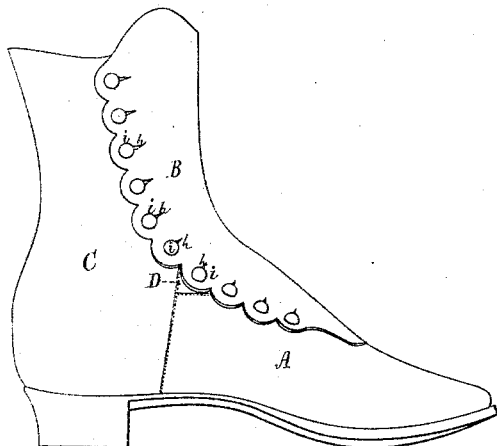


Fig. 2.

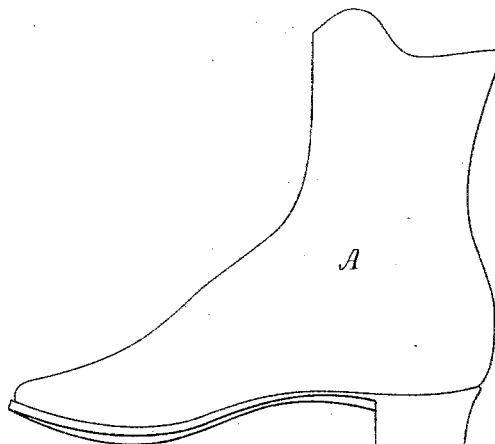


Fig. 5.

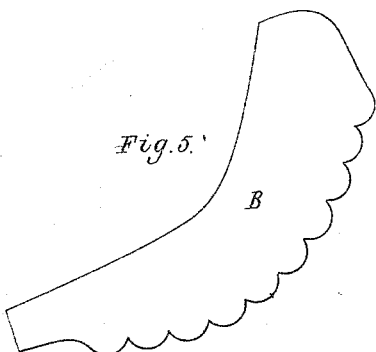


Fig. 6.

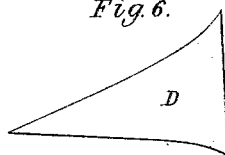


Fig. 4.

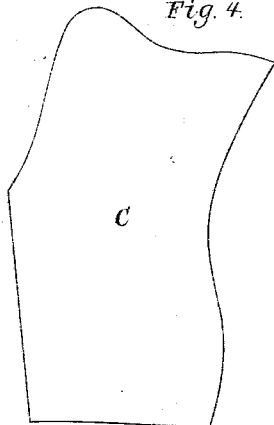
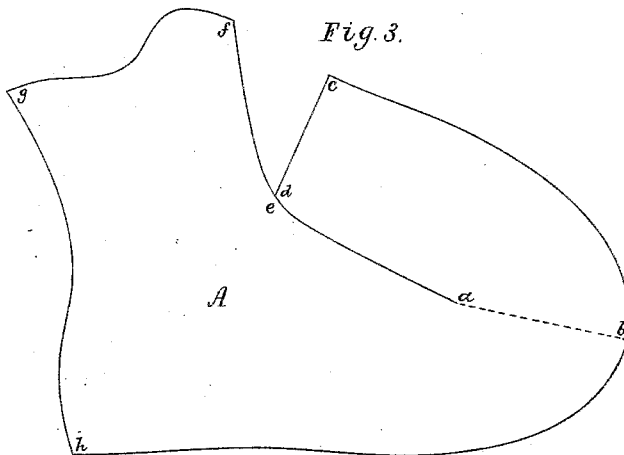


Fig. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN SHOES.

Specification forming part of Letters Patent No. **210,695**, dated December 10, 1878; application filed November 18, 1878.

*To all whom it may concern:*

Be it known that I, FRANCIS M. HOYT, of Haverhill, of the county of Essex and State of Massachusetts, have invented a new and useful Improvement in the Manufacture of Shoes; and do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

Figures 1 and 2 are opposite side views of a shoe having its upper made in accordance with my invention. Fig. 3 is a top view of the main portion of the upper as cut from a single piece of leather. Figs. 4, 5, and 6 are views of the remaining portions employed in the completion of the upper.

My invention is an improved manufacture, or shoe-upper composed of main and auxiliary parts, formed, arranged, and applied essentially as hereinafter described, and as shown in the drawings aforementioned.

The shoe made in part by such upper is of the kind usually termed a "button-boot," it having at the instep and front of the leg a fly, provided with button-holes to engage with a series of buttons properly arranged. This fly independently of its lining is to be cut separately from the main portion of the upper, and is to be sewed thereto at one of the front edges of the instep-opening thereof.

In Figs. 1 and 5 the fly is represented at B, the main portion of the upper being shown in Figs. 1 and 3 at A, it being slit from *a* to *d*. The portion *a b c d*, which is above the line *a b* of the main portion A, is to be turned or folded along such line down upon the remainder or part *a b h g f*. The fly is to be sewed or stitched to this latter part at *a e f*, and at its foot or lower end such fly is also to be stitched to the portion *a b c d* so folded down.

The auxiliary leg-piece C (shown in Figs. 1 and 4) is to be stitched along its rear edge to that of the main part A, and also at its front edge to the rear end, *c d*, of the turned-down part *a b c d*.

The triangular auxiliary or filling piece D (shown in Fig. 6) is intended to fill the opening between the turned-down portion *a b c d* and the auxiliary leg-piece C, and is to be stitched or sewed to both. Sometimes this filling-piece D may, in whole or in part, be the triangular piece which would be cut at *c d f* out of the piece of leather or material used to form the main portion of the upper, though, generally speaking, such would be too small for the purpose. In some cases it (the filling piece) may be in one piece with the auxiliary leg part C.

An upper having been thus formed or composed of the fly and main and auxiliary pieces, applied and arranged as represented, is to be suitably lined and bound, and provided with button-holes *i* and buttons *h*. Its back seam may be covered by a stay-piece, extended down it in the usual manner. With a shoe-upper so made there will be no seam from the instep to the toe, and none will be seen on the inner portion of the outer surface of the upper when finished. Furthermore, the side seam is carried back nearly to the heel, whereby the shoe is rendered more comfortable to the wearer than it would be likely to be were the said seam near the "ball" of the foot.

The mode described of forming and arranging the parts of a shoe-upper enables stock to be cut to much advantage and with little waste, and causes the filling-piece D to be mostly, if not entirely, covered and hidden from view by the fly when the latter is buttoned.

I claim—

The improved manufacture or shoe-upper composed of the main part A and the auxiliary parts B C D, formed, arranged, and applied substantially as set forth.

FRANCIS M. HOYT.

Witnesses:

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