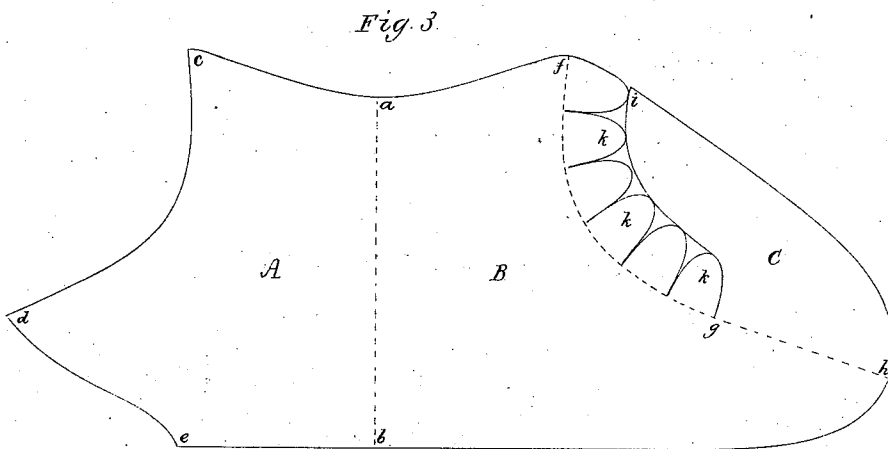
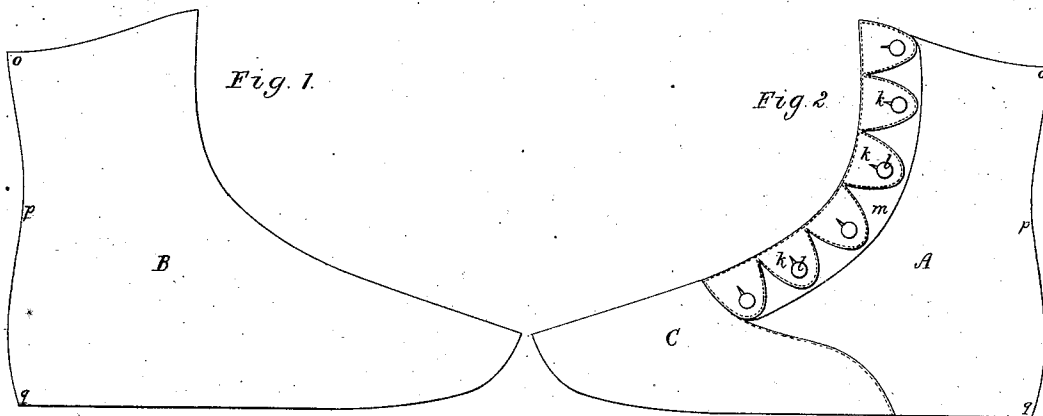


J. MURPHY.
Shoes.

No. 155,255.

Patented Sept. 22, 1874.



Witnesses
S. N. Piper
L. N. Holden

John Murphy
by his attorney
R. H. Sedy

UNITED STATES PATENT OFFICE.

JOHN MURPHY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SHOES.

Specification forming part of Letters Patent No. **155,255**, dated September 22, 1874; application filed March 11, 1874.

To all whom it may concern:

Be it known that I, JOHN MURPHY, of Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Shoes; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figures 1 and 2 are opposite side elevations of a shoe or bootee upper made in accordance with my invention. Fig. 3 is a view of the pattern or mode of cutting the outer leather or material or upper, which, with the exception of the under stay or button-lapels connecting and supporting strip, is one single piece of material.

In Fig. 3 the outer boundary or form of the piece, with the exception of a button-lap, or series of lapels, *k k*, &c., arranged as shown, is represented at *c d e b h i g f a*.

The piece of leather, cut as described, is to be folded on the lines *a b* and *g h*, whereby a portion, A, on one side of the folding-line *a b*, will lap upon the part B, to the right of the said line. The part C, beyond the folding-line *g h*, is to be turned down upon the part B, and so as to extend over and lap upon the part A, or over its edge at *e d*, the portion C being subsequently sewed to the portion A, where the two lap on each other. Each of the lapels *k* is to be turned over upon the section A, and provided with a button-hole, to button upon one of a series of buttons, *l*, fixed to each section A, or arranged as shown. I sew the lap, or series of lapels *k*, to a stay-piece, *m*, of leather or other suitable material, extended along underneath them, or between them and the part A, and I form the button-holes through the stay, as well as through the lapels, of which there are six in number shown in the drawings. The number of them, however, may be varied, or be greater or less, as circumstances may require.

The upper thus made may be lined and finished in any proper manner.

The upper formed as shown is, before being sewed together, to be crimped at the back, or along the line *a b*, so as to curve it in manner as represented at *o p q* in Figs. 1 and 2, in order to have it fit to the back of the heel and leg, such crimping being done by a crimping-machine, which will draw the leather and stretch it upon a proper form.

From the above and the drawings, it will be seen that the lapels *k* are cut from the leather or material intervening between the portions B and C.

In a former application for a patent made by me such was not the case, so much of the leather being wasted, the lapels being cut so as to project from that edge of the piece which is represented by the line *c d* in Fig. 3 of the accompanying drawings. The piece had necessarily to be longer than the pattern shown in Fig. 3 by the amount required to form the lapels; and thus, in comparison to my present plan of forming the piece with the lapels *k*, there would be not only the waste, as explained, but a greater amount of material would be required in the formation of the pattern.

I claim—

1. In a shoe or bootee, the upper having the series of lapels *k* extended from the part B, and cut from the material intervening between it and the vamp part C, all as described and shown.

2. In combination with the upper, cut as described, with the series of lapels, the connection-piece *m*, extended underneath and fastened to the several lapels, all as specified.

JOHN MURPHY.

Witnesses:

R. H. EDDY,
J. R. SNOW.