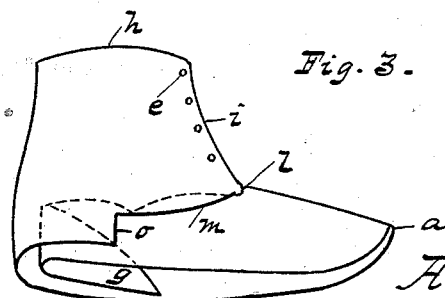
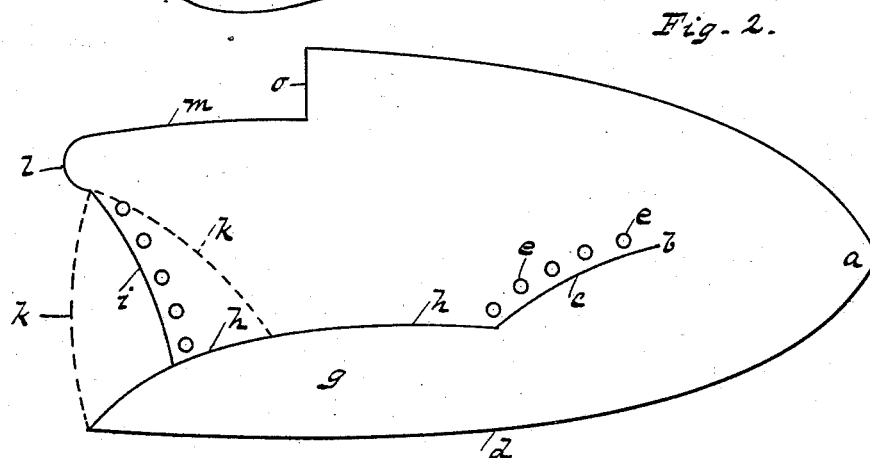
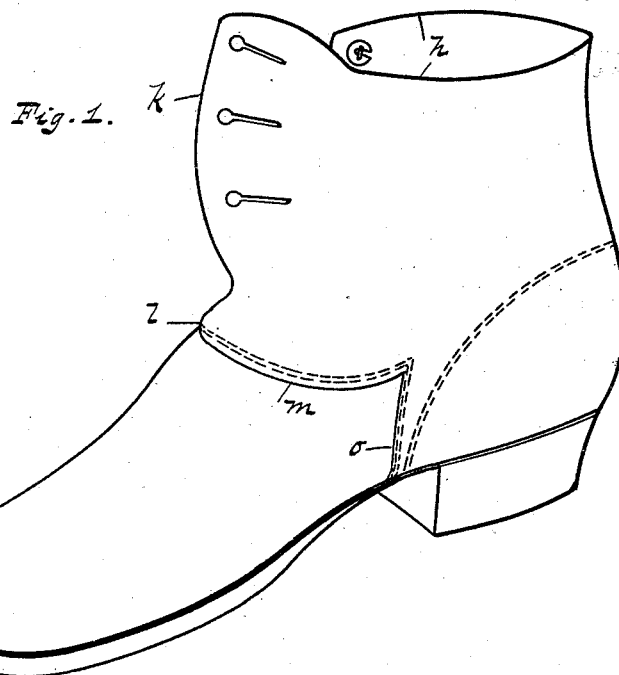


(No Model.)

A. M. BOLLINGER.
SHOE.

No. 423,212.

Patented Mar. 11, 1890.



Witnesses:
L. E. Harrison.
A. B. McCaslin.

Inventor.
A. M. Bollinger.
Per. H. E. Harrison.

Attest.

UNITED STATES PATENT OFFICE.

ALEXANDER M. BOLLINGER, OF NEW FLORENCE, PENNSYLVANIA.

SHOE.

SPECIFICATION forming part of Letters Patent No. 423,212, dated March 11, 1890.

Application filed September 19, 1889. Serial No. 324,468. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER M. BOLLINGER, a citizen of the United States, residing at New Florence, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Shoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved shoe; and it consists in forming the entire upper from a single piece of leather cut and folded in a peculiar manner, as will be fully set forth hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of a shoe constructed in accordance with my invention, showing the position of the only seam in the upper. Fig. 2 is a diagram of the upper cut to form the above-mentioned shoe. Fig. 3 is a perspective view of the upper folded to show the position of the several portions of the same.

To put my invention into practice I provide a suitable piece of leather and form an oval front *a*, which forms the toe and sides of the shoe. At a point *b*, directly at the rear of the apex *a* of this blank, is the beginning of a downwardly-extending circular cut *c*, which terminates near the lower edge *d* of the blank. The upper edge of this cut *c* forms one side of the vent, in which eyelets *e* or any other desired fastening is placed. Beginning at the lower end of this last-described cut *c* is another *f*, semicircular in form and meets the lower edge *d* of the blank at an acute angle. This lower portion *g*, when the shoe is finished, occupies a position inside the heel, and is used for what is known to the art as a "stiffener." The upper edge *h* of this cut *f* is the top periphery of the shank or leg of the shoe. The rear of this blank forms the other side *i* of the vent by means of a diagonal cut *k*, partially turned in when eyelets are used, and the said turned-

in portion of the tongue. At the upper extremity of this last-described cut is a small rounded portion *l*, which strengthens the point of junction of the two sides of the vent. From this curved portion *l* a cut *m* is made and a piece removed, leaving at one end an angular corner, which makes a vertical seam *o* at the instep of the shoe.

By reference to Fig. 3 on the drawings it will be readily understood how the upper is put together, and it is obvious that the said blank may be used either for a button or lace shoe.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The herein-described shoe, the upper and heel-stiffener of which are formed from the blank herein described and joined together by a single seam *m o*, extending from the vent along the vamp to the inner instep and thence downwardly to the sole of the shoe, and the portion *g*, forming the stiffener stitched to the rear or heel portion of the shoe, substantially as shown and described.

2. The herein-described blank or pattern for forming the entire shoe-upper and heel-stiffener from an undivided piece of leather, consisting of the oval front to form the vamp, the downwardly-extending curved cut *c* in the vamp, one side of which is provided with a means for closing the vent of the shoe, the longitudinal semicircular cut *f*, the upper side *h* of which forms the top periphery of the shoe, and provided with the portion *g* below the heel-stiffener, the straight or curved edge *k*, with means for closing the vent, the rounded portion *l* to strengthen the joining of the vent, and the recessed or removed portion at the rear upper end of the blank, substantially as shown and described.

In testimony that I claim the foregoing I hereunto affix my signature this 28th day of August, A. D. 1889.

ALEXANDER M. BOLLINGER. [L. s.]

In presence of—

A. B. MCCASLIN,
J. A. HERRON.