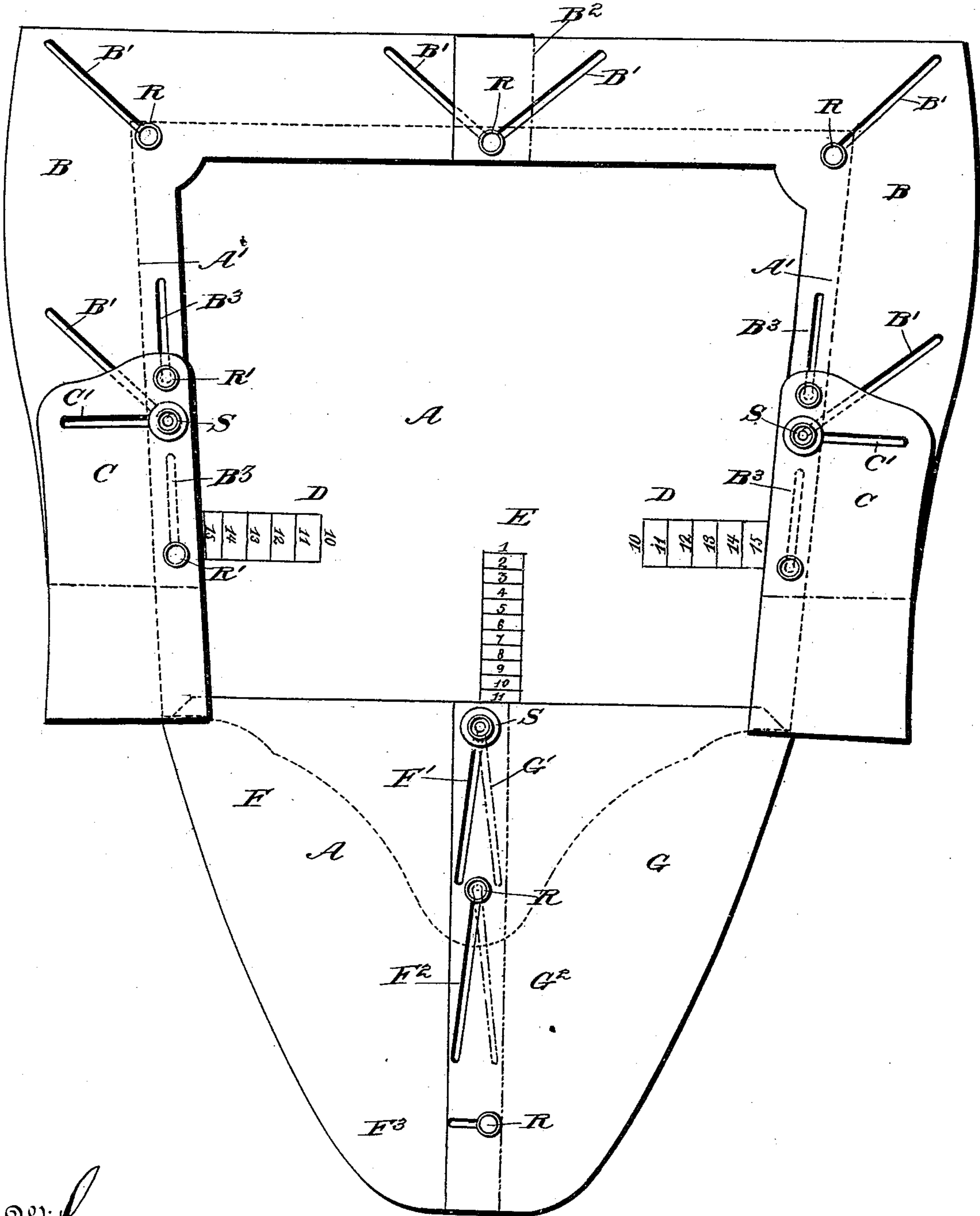


(No Model.)

G. L. MYERS.  
BOOT PATTERN.

No. 353,753.

Patented Dec. 7, 1886.



Witnesses  
*L. B. Hill*  
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# UNITED STATES PATENT OFFICE.

GEORGE L. MYERS, OF HOUTZDALE, PENNSYLVANIA.

## BOOT-PATTERN.

SPECIFICATION forming part of Letters Patent No. 353,753, dated December 7, 1886.

Application filed March 9, 1886. Serial No. 194,593. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE L. MYERS, a citizen of the United States, residing at Houtzdale, in the county of Clearfield, State of Pennsylvania, have invented certain new and useful Improvements in Boot-Patterns, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention has relation to patterns for cutting out boot-blanks, the object being to provide patterns which can be adjusted to different sizes and laid upon the material, so as to give the outline of and serve as a guide for the knife in cutting such a piece from the material as is required to produce a boot of a given size in which there is but a single seam, and that located in the center at the back of the leg; and the invention consists in certain features of construction hereinafter described, and particularly pointed out in the claims.

Referring to the drawing, which is a plan of my pattern, A represents what may be designated as a "foundation-piece," and has slightly-tapering sides, as shown by dotted lines A', and a curved or pointed end, as shown by dotted lines A<sup>2</sup>.

B B are substantially triangular plates, which together form, when placed upon the part A, extensions to said part, and which are adjustably connected with said part by means of rivets R, which are secured to the part A in any suitable manner, and pass through slots B', formed in the pieces B, those in one piece, as at the left; being inclined and parallel with each other in one direction, and those in the other piece, as at the right in the figure, being parallel and inclined in an opposite direction, the two slots B' at the center of the top of the pattern being inclined toward each other, and the rivet R at that point passing through both pieces, one of said pieces overlapping the other, as indicated by dotted lines at B<sup>2</sup>. At each side of the part A is a thumb-screw, S, which is secured to said part, and which passes through the slots B' of the pieces B. In each of the pieces B are slots B<sup>3</sup>, arranged parallel with the edges of the parts A and B.

In the slots B<sup>3</sup> rivets R are arranged to slide, said rivets being secured at their upper ends in pieces C, arranged upon the pieces B, and having slots C', arranged at right angles to

their longer edges and to those of the parts A and B, and embracing the screw S. Upon the part A are indicating marks or scales D and E.

Near the lower end of the part A is secured a thumb-screw, S, which passes through slots F' G', formed in the pieces F and G, arranged upon the part A. A rivet, R, is secured to the part A and passes through similar slots, F<sup>2</sup> G<sup>2</sup>. The slots just mentioned are arranged to converge to a common point at their upper ends. If desired, although not really essential, a slot, F<sup>3</sup>, may be arranged at right angles to the straight longer edge of the part F, and a rivet, R, may be secured to the part G and pass through said slot.

The above being the construction of the pattern, the operation is as follows: By loosening the thumb-screws S at the sides and bottom of the part A, said sides or the parts B C may be moved inwardly and outwardly to vary the dimensions of the pattern as a whole, while said variation may be regulated by means of the scale D, to determine the width of the material required in the leg of a given size, as indicated on said scale. It will be noticed that as either of the parts move inwardly to make a smaller leg the part C should be moved upwardly to vary its length proportionately, and that when said part C is moved upwardly the rivets R' pass vertically in the slots B<sup>3</sup>, the horizontal slot C being also carried upward, while the parts B and C both are moved inwardly, thus keeping the slots B' C' intersecting or crossing each other at the point where the thumb-screw passes through the same. A continuous intersection of the slots occurs when the parts F and G are moved upon the part A, so that by loosening the thumb-screw at the lower part of the end A the parts F and G may be adjusted in accordance with the scale E to determine the size of the foot portion of the pattern. It will be seen that a desired size leg may be laid out on the material independently of the size of the foot—as, for instance, a No. 8 foot may be provided with a No. 15 leg.

By the use of the pattern constructed and operating as described a guide is furnished, along the edges of which a knife may be moved to cut material to produce a boot of any desired size.

After producing, by means of this pattern,



a blank for a boot having but a single seam, occurring at the center of the back of the leg thereof, said blank is crimped by any of the well-known means or processes.

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

1. The part A, provided with the thumb-screws S S, one at each side thereof, and with  
10 the triangular pieces B B, having the diagonal slots B', and the pieces or parts C, arranged to move vertically and independently upon the parts B, and provided with the slots C', the  
15 whole being constructed, arranged, and combined to operate as specified.

2. The combination of the part A, having the thumb-screws S, the parts B, having the diagonal parallel slots B', the parts C, mounted upon the parts B, for independent movement, and having the slots C', and the parts F and G, provided with converging slots, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE L. MYERS.

Witnesses:

FRANK GARRITY,  
JNO. B. McGRATH.