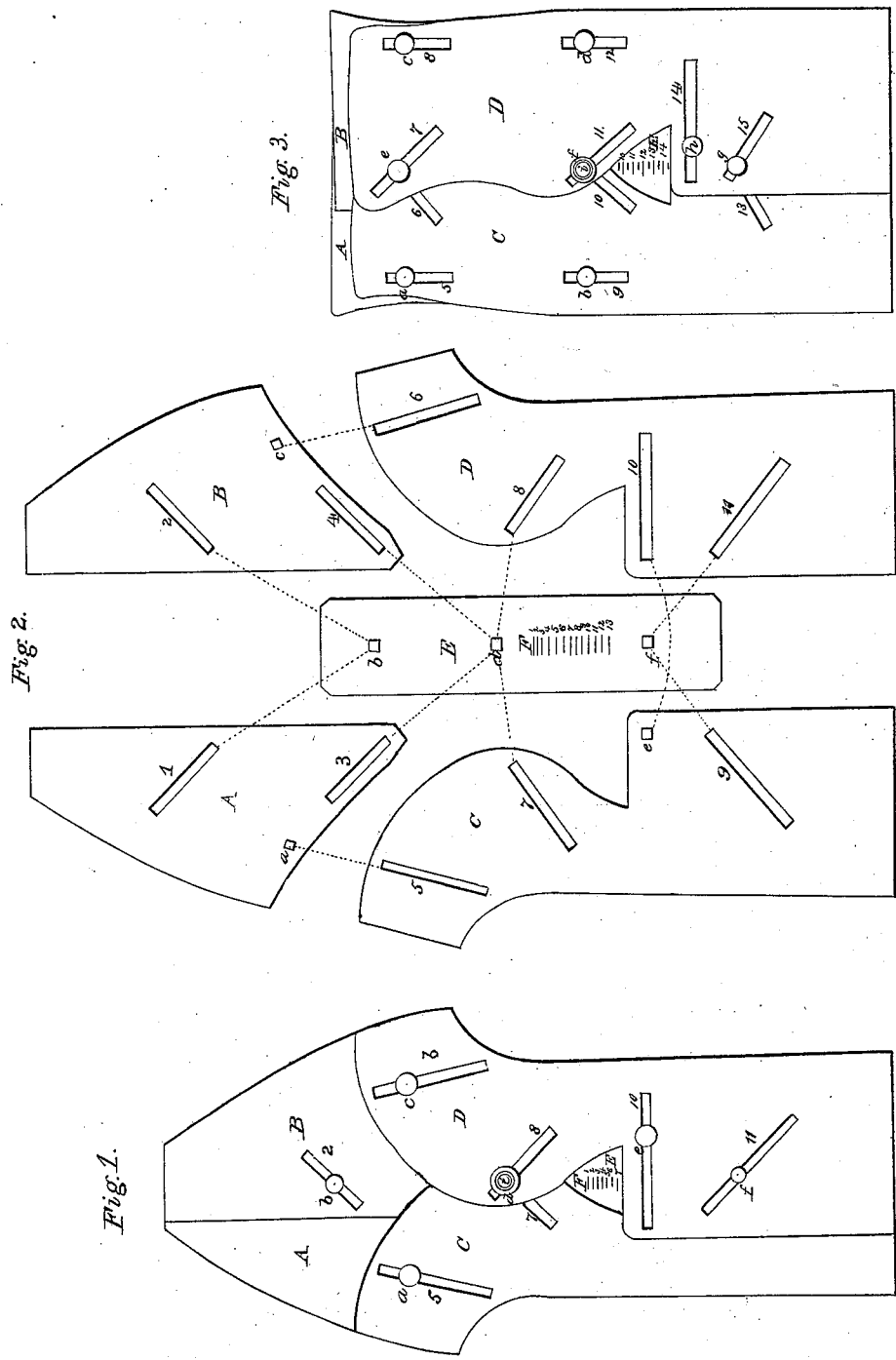


S. C. Shive,
Boot Pattern,
N^o 5244. *Patented Aug. 11, 1847.*



UNITED STATES PATENT OFFICE.

SIMON C. SHIVE, OF BLOOMSBURG, PENNSYLVANIA.

BOOT-PATTERN.

Specification of Letters Patent No. 5,244, dated August 14, 1847.

To all whom it may concern:

Be it known that I, SIMON C. SHIVE, of Bloomsburg, in the county of Columbia and State of Pennsylvania, have invented a new and useful Improvement in Adjustable Boot-Patterns; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a top view of the blocking out pattern for the front of the boot. Fig. 2 its respective parts. Fig. 3 a pattern for the back of the boot. Fig. 4 its respective parts. Fig. 5 the pattern for cutting the front after it has been crimped. Fig. 6 its respective parts.

The nature of my invention consists in combining several plates of metal or other material one with another in such a manner, so, that when thus combined, they will form a boot pattern which can be adjusted at one operation to any required size, by means of the simultaneous and proportional extension of the several parts.

To enable others skilled in the art to make and use my invention, I will proceed to describe their construction and operation.

The blocking out pattern for the front (Fig. 1) is composed of five pieces (A, B, C, D, E) represented in (Fig. 2). The piece (E), which I designate the primary plate, is constructed with three rivets (*b*, *d*, *f*), sufficient in length to enable them to pass through slots made in the several plates. The plate (A) is placed on the primary plate (E) the rivets (*d* and *b*) passing through the slots 3 and 1 cut in the piece (A) respectively. The plate (B) is put on the plates (A and E) the rivets (*b* and *d*) passing through the slots (2 and 4) of the plate (B). The plate (C) is laid on the last mentioned pieces (A, B, E) the rivet (*a*) in the plate (A) passing through the slot (5) the rivet (*d*) passing through the slot (7) and the rivet (*f*) passing through the slot (9). The remaining plate (D) is then laid on the pieces (A, B, C,) the rivets (*b*, *d*, *f*) passing through the slots (6, 8, and 11,) respectively and the rivet (*e*) of the plate (C) passing through the slot (10) in this last mentioned plate. The different rivets are then headed to keep the plates from falling apart. The center rivet (*d*)

has a nut or screw *i* attached to it to fasten the pattern to the regulated size.

The operation of this pattern is as follows. The operator takes hold of the side plates (C and D) immediately below the slots (5 and 6) and draws them out which causes the simultaneous and proportional extensions of the other parts by means of the rivets and slots above referred to which enables him to obtain any required size pattern the same being indicated by the straight edge of the plate (C) immediately over the scale of numbers F impressed on the primary plate E.

The pattern for the back of the boot (Fig. 3) is composed of the same number of pieces as the blocking out pattern and represented in Fig. (4).

The plate (E) is constructed similarly in all respects to the primary piece (E, Fig. 2). The rivets of the plate E (*e* and *f*) pass through the slots (1 and 2) of the plate (A) respectively. The plate (B) is laid on the plates (A and E) the rivets (*e* and *f*) passing through the slots (3 and 4) of the plate B respectively. The plate (C) is laid on the plates (A, B, and E) the rivets of the plate (A) passing through the slots (5 and 9) and the rivets (*e*, *f* and *g*) in the plate E passing through the slots (6, 10 and 13) of the plate (C) respectively. The last piece (D) of this pattern is laid on the other plates (A, B, C, E) the rivets (*c* and *d*) of the plate (B) passing through the slots (8 and 12) the rivets (*e*, *f* and *d*) on the primary plate (E) passing through the slots (7, 11 and 15), and the rivet (*h*) in the plate (C) passing through the slot (14). The rivets are then headed as in the other pattern and for the same purpose. A similar screw (*i*) Fig. 3 is attached to the rivet (*f*) to fasten the pattern to the required size.

The operation is precisely in all respects like the blocking out pattern (Fig. 1).

The pattern for cutting the front of the boot after being crimped (Fig. 5) is composed of four parts (A, B, C, D) represented in (Fig. 6). The plate (D) is laid on the plate (C) the rivets (*d* and *e*) of which pass through the slots (7 and 8) of the plate D. The plate (B) is then laid on the plates (D and C) the rivets (*d* and *e*) of the plate (C) passing through the slots (5 and 6) of the plate (B). The last plate (A) is laid on the plate (B) the rivets (*c* and *d*) of the

plate (C) passing through the slots (1 and 4) and the rivets (a and b) of the plate (B) passing through the slots (2 and 3) of the plate (A). The rivets are then headed
5 as in the other patterns and a similar screw or nut used in the other patterns for fastening is attached to the rivet.

The operation in adjusting this pattern is as follows: The operator by taking hold
10 of the plates (D and B) at the point (B) (Fig. 5) and drawing them downward causes a proportional extension of the different parts, the upper edge of the piece (D) indicating the instep measure by means of
15 the index F, also the measure of the ball of the foot by means of the index G while the edge (i) of the piece (B) indicates the heel

measure. The plate (B) and plate (A) regulating the draft to suit the required size. The length of the boot is regulated by the
20 index (H) in plate (D).

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

The adjustable character of the patterns
25 at one operation, or in other words, the simultaneous and proportional extension of the several parts composing them, arranged in the manner and for the purpose herein set forth.

SIMON C. SHIVE.

Witnesses:

O. C. KAHLER,
JACOB B. BEIDELMAN.