H. BROSSEL.

BOOTS AND SHOES.

No. 190,412. Patented May 8, 1877.

Fig. 1.

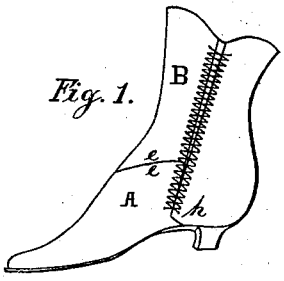

Fig. 2.

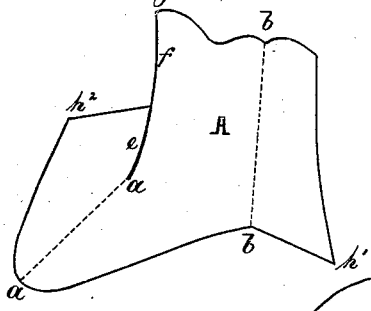

Fig. 3.

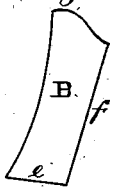

Fig. 5.

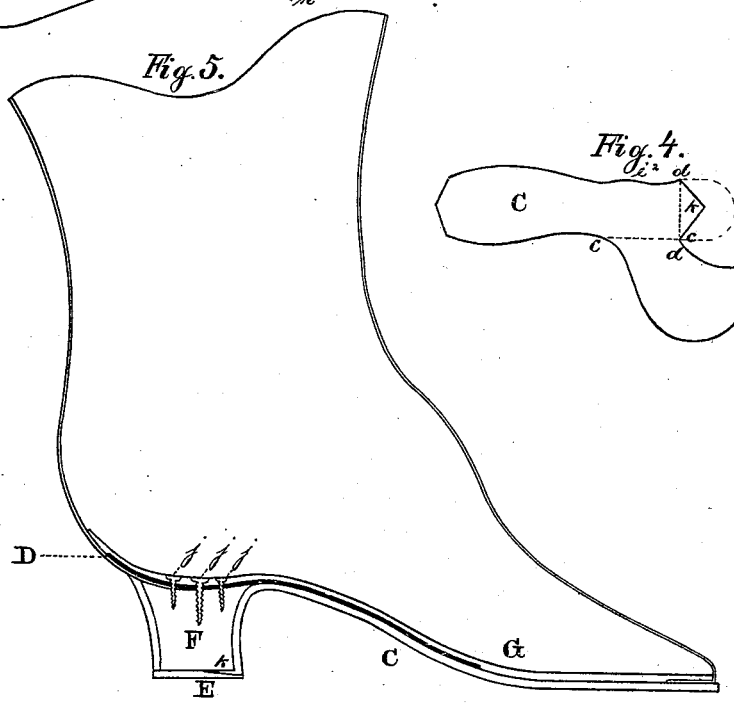

Fig. 4.

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UNITED STATES PATENT OFFICE.

HUBERT BROSSEL, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN BOOTS AND SHOES.

Specification forming part of Letters Patent No. **190,412**, dated May 8, 1877; application filed January 31, 1877.

To all whom it may concern:

Be it known that I, HUBERT BROSSEL, of the city of Indianapolis, county of Marion and State of Indiana, have invented certain new and useful Improvements in Boots and Shoes, of which the following is a specification:

Reference is had to the accompanying drawings, which are made a part hereof.

Similar letters of reference on different figures indicate similar parts.

Figure 1 is a view of a finished article. Fig. 2 is a plan view of the large part of the pattern from which the upper is cut. Fig. 3 is a plan view of the small part of the pattern from which the upper is cut. Fig. 4 is a plan view of the pattern C from which the sole is cut. Fig. 5 is a sectional view of the shoe, showing how the sole, and more particularly the heel, is constructed.

The object of my invention is to produce a ladies' shoe or boot, the leg of which can be cut to any desired height from any kind of stock, and still have no seams that are liable to rip; and, secondly, to produce a smooth heel at a small cost, which can have a bronzed or polished surface, without its being liable to crack or peel off.

The first object of my invention is accomplished by cutting the upper from a pattern composed of the two parts A and B, and fastening them together at the edges *e e* and *f f*, then folding the upper so made on the dotted lines *a a* and *b b*, thus bringing the points h^1 and h^2 together at the point *h* in Fig. 1, and crimping it into the desired shape.

The sole is cut from the pattern C, Fig. 4, and is made by bending it on the dotted line *c c*, thus bringing the points i^1 i^2 together, and fastening them. The bend in the instep is then made, and the heel pressed around a suitably-prepared block, F, and the lift E put on, after bending the point *k*, at the dotted lines *d d* underneath. This point *k*, by being extended to a little greater size, as shown by the dotted line *l*, will form the lift or bottom of heel, as well as the remainder of the sole and heel, from the single piece.

In fastening the upper and the sole together, a metal plate, D, is put between the upper and under soles, and the heel secured by the screws *j j j*, or such other fastening as the maker may deem best. The balance of the sole is sewed or pegged on in the ordinary manner.

I claim that with the proper tools this heel may be made with less work and less leather than any other, and be also much lighter; that the upper, as thus constructed is economical, handsome, and durable; and that a shoe constructed in this manner is cheaper, and will give better satisfaction than any other of its class.

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

1. A boot or shoe upper, composed of the parts A and B, with the points h^1 and h^2, united at *h*, substantially as shown and specified.

2. The pattern for uppers, composed of the parts A and B, as herein shown and described.

3. A sole and heel for a boot or shoe, composed of the outer sole C, the lift E, the block of filling F, the metal plate D, and the inner sole G, as herein shown and described.

4. The pattern C for boot or shoe soles, having the point *k*, substantially as herein shown and specified, and all substantially as herein set forth.

In witness whereof I have hereunto set my hand at Indianapolis, Indiana, this 29th day of January, A. D. 1877.

HUBERT BROSSEL.

In presence of—

C. BRADFORD,

ISAAC S. LONG.