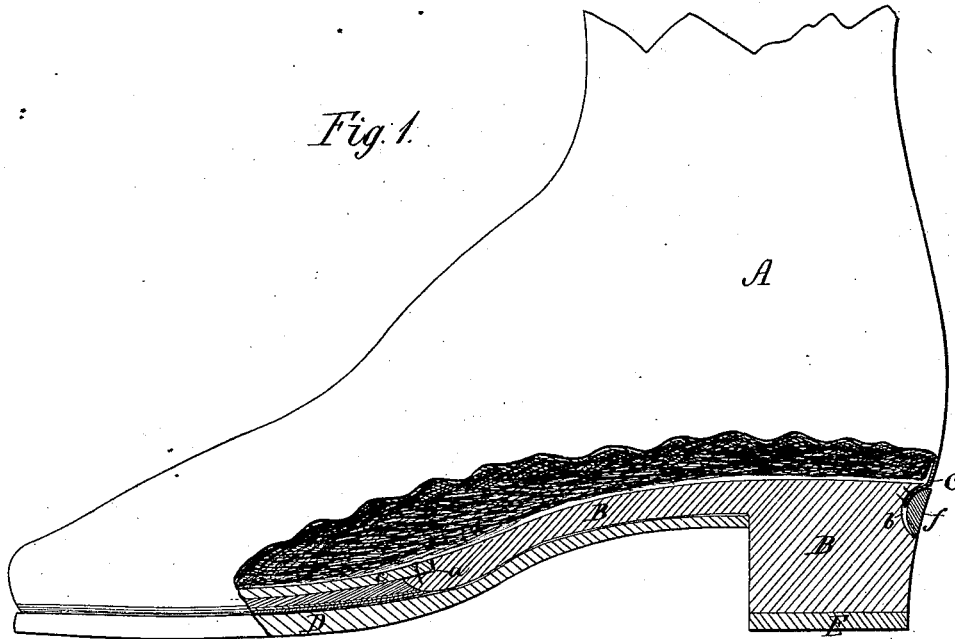


W. MEYER & H. FREIBURG.

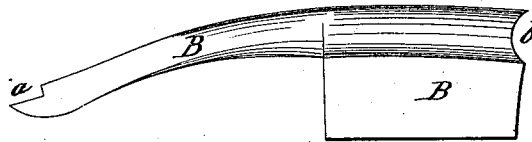
Boots and Shoes.

No. 161,809.

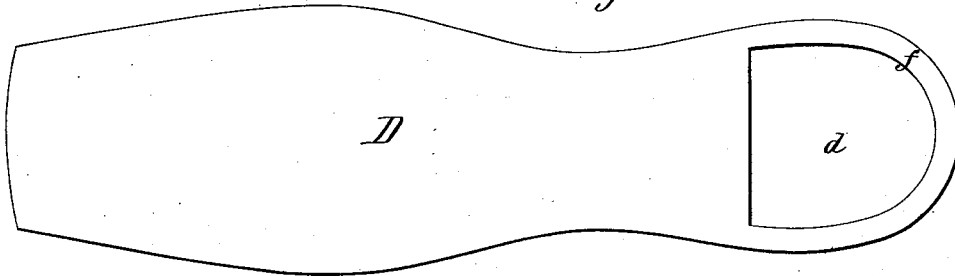
Patented April 6, 1875.



*Fig. 2.*



*Fig. 3.*

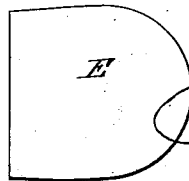


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# UNITED STATES PATENT OFFICE.

WILLIAM MEYER AND HENRY FREIBURG, OF QUINCY, ILLINOIS.

## IMPROVEMENT IN BOOTS AND SHOES.

Specification forming part of Letters Patent No. **161,809**, dated April 6, 1875; application filed March 23, 1875.

*To all whom it may concern:*

Be it known that we, WILLIAM MEYER and HENRY FREIBURG, of Quincy, in the county of Adams and State of Illinois, have invented a new and useful Improvement in Boots and Shoes; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a side elevation, with sole in each section, showing construction of shoe; Fig. 2, a side view of wooden heel and shank; Fig. 3, plan view of outer sole as stamped.

This invention relates to certain improvements in boots and shoes; and it consists in a wooden heel and shank, whose upper surface forms a part of the bottom of the shoe, the upper and counter being attached to the outer surface of the shank, and in a groove around the heel, and the whole secured and combined with an outer sole, which extends the whole length of the shoe, and covers both the sole and shank, and extends around the groove in the heel, to protect and secure a finish for the said edge of the counter.

In the drawing, A represents a shoe constructed according to our improved method, in which B represents the wooden shank and heel, made with a smooth upper surface, and of a shape to conform to the peculiarities of different feet. Said shank is provided with a rabbet, *a*, at its upper front end, to receive the insole *c*, and the heel has a groove, *b*, near the top, in which is secured the edge of the counter C. D is the outer sole, which is made in one piece, and covers the entire bottom of the shoe, extending from the toe to the rear of the heel, and is stamped out with a hole, *d*, through which the heel is placed, the annular piece *f* being fitted in the groove *b* to secure the edges of the counter, and also to strengthen the sole D, and to make a proper finish. The said outsole is stamped out or cut by dies of any required shape or pattern, and the piece which is cut from the hole *d* is utilized as a cap, E, for the bottom of the heel.

In manufacturing shoes according to our method the insole is first tacked to the rab-

beted edge *a*, and the shank B and insole laid together upon the last. The upper is then tacked upon the insole, and the shank and the counter secured by tacks or staples in the groove *b*. The usual filling is then placed upon the sole, and the outsole D then placed upon the whole, and is pegged or sewed, as the case may be, securely to the sole, and firmly tacked to the shank.

To secure a better finish the shank part A' of the sole is undercut to receive the nails that secure it to the wood, and the loose edge is then pasted down upon the same, the annular heel-piece being also tacked within the groove, and finished with the heel.

By means of the above-described method we are enabled to manufacture boots and shoes at a reduced price, which are light, comfortable, durable, and of a superior finish, the wooden shank and continuous and rigidly-attached outer sole forming at the instep a strong fastening, in which the receding of the sole from the upper and the showing of the pegs are entirely obviated. The annular heel portion of the sole also strengthens the body of the same by holding it in position, and at the same time gives security and finish to the connection of the heel and counter.

Having thus described our invention, what we claim as new is—

1. As a new article of manufacture, a leather outer sole for a boot or shoe, which extends from the toe to the heel, and is cut out at the heel, so as to encompass the same, substantially as described.

2. The outer sole D, cut out at *d* so as to leave an annular rim, *f*, in combination with the wooden heel and shank B, rabbeted at *a* and grooved at *b*, the insole *c*, and the upper and counter, substantially as and for the purpose described.

The above specification of our invention signed by us this 17th day of March, 1875.

WILLIAM MEYER.  
HENRY FREIBURG.

Witnesses:

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