J. K. GITTENS.

Insoles for Boots and Shoes.

No. 197,030. Patented Nov. 13, 1877.

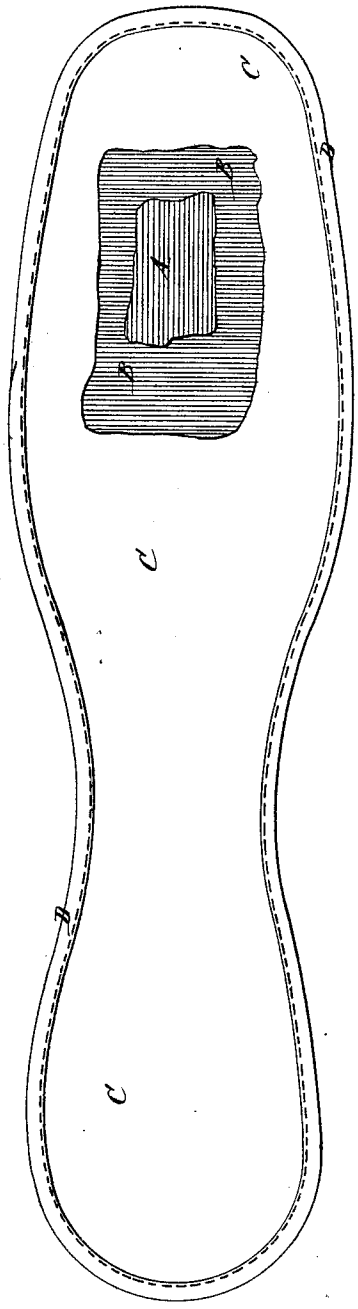


Fig. 1.

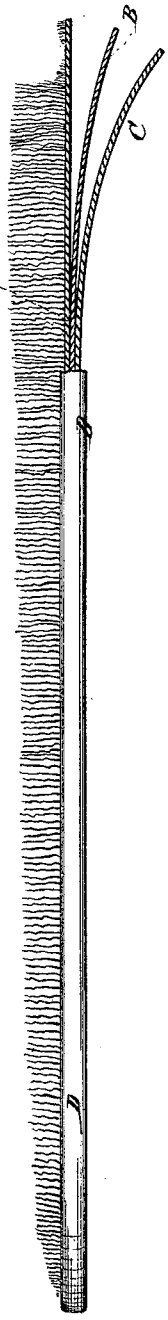


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN K. GITTENS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN INSOLES FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **197,030**, dated November 13, 1877; application filed October 13, 1877.

To all whom it may concern:

Be it known that I, JOHN K. GITTENS, of Brooklyn, E. D., in the county of Kings and State of New York, have invented a new and useful Improvement in Insoles for Boots and Shoes, of which the following is a specification:

Figure 1 is a bottom view of one of my improved insoles, part being broken away to show the construction. Fig. 2 is an edge view of the same, partly in section, to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved insole for boots and shoes, which shall be so constructed as to prevent them from wrinkling in the boots and shoes, and adapt them for use as soles for crocheted slippers.

The invention consists in an insole formed of sheep-skin with its wool for the inner layer, heavy paper for the intermediate layer, and heavy japanned drilling for the outer layer, gummed together and bound with a worsted or silk binding, as hereinafter fully described.

A is the inner layer, which is made of sheep-skin with the wool on. B is the middle or intermediate layer, which is formed of heavy paper. C is the outer layer, which is made of heavy drilling, japanned upon the outer side.

These layers A B C are gummed together, to prevent them from wrinkling and to stiffen them, and are bound around the edges with a worsted or silk binding, D, to strengthen them and prevent the stitches from breaking out when they are used for soles for slippers.

With this construction the paper layer B gives body to the insole, and, being an excellent non-conductor of heat, prevents cold from passing through to the foot. The japanned drilling C gives strength to the insole, and prevents moisture from passing through to the foot. The wool of the sheep-skin A forms a warm and soft cushion for the foot.

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

An insole formed of sheep-skin, A, with its wool for the inner layer, heavy paper B for the intermediate layer, and heavy japanned drilling C for its outer layer, gummed together and bound with a worsted or silk binding, D, substantially as herein shown and described.

JOHN KEMP GITTENS.

Witnesses:

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