

E. B. PHILLIPS.

Shoes and Slippers of Fibrous or Woven Materials.

No. 154,415.

Patented Aug. 25, 1874.

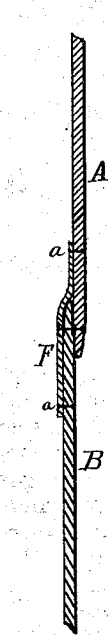


Fig. 3.

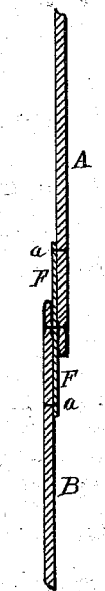


Fig. 2.



Fig. 4.

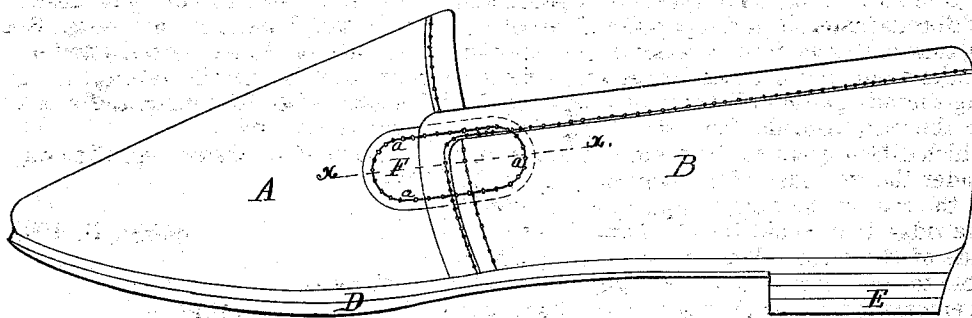


Fig. 1.

Witnesses,
G. A. Brown.
Wm. S. Edwards

Inventor,
Elias B. Phillips
by his Attorney
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UNITED STATES PATENT OFFICE.

ENOS B. PHILLIPS, OF CAMBRIDGE, MASSACHUSETTS.

IMPROVEMENT IN SHOES AND SLIPPERS OF FIBROUS OR WOVEN MATERIAL.

Specification forming part of Letters Patent No. **154,415**, dated August 25, 1874; application filed May 1, 1874.

To all whom it may concern:

Be it known that I, ENOS BURT PHILLIPS, of Cambridge, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in the Manufacture of Shoes, of which the following, taken in connection with the accompanying drawing, is a specification:

My invention relates to the manner of uniting the uppers of shoes or slippers made of cloth, carpeting, or other fibrous or woven material, and has for its object the strengthening of the shoe at the point of attachment of the quarter to the vamp; and it consists in the application of a stay of leather, or other suitable material, to and extending across the seam in the same plane with or parallel to the sole of the shoe, by which the quarter is united to the vamp, said stay extending onto the vamp some distance beyond the seam, and in like manner onto the quarter to the rear of said seam, and stitched firmly thereto.

One great objection to shoes or slippers made of fibrous material, and especially of carpeting, is, that they very soon give out at the junction of the vamp and quarter, by reason of the filling-threads pulling off from the warp-threads, or the warp-threads from the filling-threads, which difficulty cannot be overcome by turning under the raw edge of the material, especially in the case of the carpet slipper, on account of the ridge that would thus be formed in the inside of the shoe, which would be uncomfortable to the wearer. This difficulty is entirely overcome by the application of my improved stay.

In the drawings, Figure 1 is a side elevation of a slipper, showing the application of my invention. Fig. 2 is a section of a portion of one side of the shoe, on line *xx* on Fig. 1, and illustrating the arrangement of the stay; and Figs. 3 and 4 are similar sections, illustrating modifications of the arrangement of the stay.

A is the vamp of the shoe; B, the quarter; D, the sole; and E, the heel, all arranged in the usual manner. F is a stay, of leather or other suitable material, placed across the seam that unites the vamp to the quarter, and extending some distance forward of and to the rear of said seam, as shown, and firmly stitched to the vamp and quarter, as indicated at *a a*.

The stay F may be applied to the shoe entirely upon the outside, as shown in section at Fig. 3, or entirely upon the inside, as seen in Fig. 4, or one end upon the outside of the vamp and the other end upon the inside of the quarter, as seen in Figs. 1 and 2, which arrangement I prefer, as I think it is the best.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

A shoe or slipper, constructed of carpeting, cloth, or other textile fabric, having the stay F applied thereto, substantially as and for the purpose set forth.

Executed at Boston this 27th day of April, 1874.

ENOS B. PHILLIPS.

Witnesses:

N. C. LOMBARD,
M. B. SWIFT.