J. H. HUSSEY.

Shoes.

No. 153,830. Patented Aug. 4, 1874.

Fig. 5.

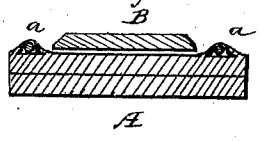


Fig. 1.

Fig. 4.

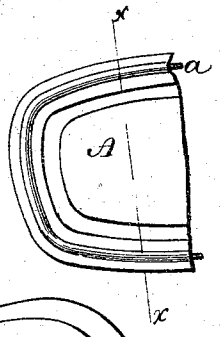


Fig. 2.

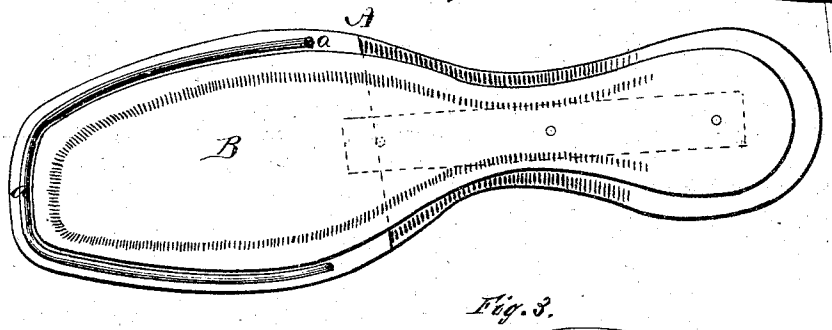
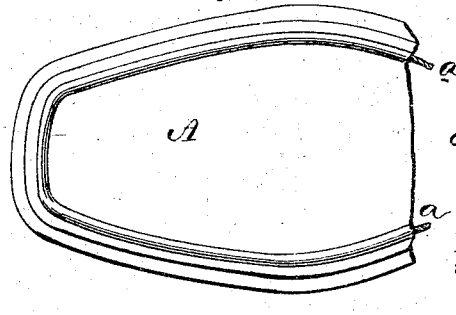


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN H. HUSSEY, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN SHOES.

Specification forming part of Letters Patent No. **153,830**, dated August 4, 1874; application filed June 29, 1874.

To all whom it may concern:

Be it known that I, JOHN H. HUSSEY, of Baltimore, in the county of Baltimore and State of Maryland, have invented certain new and useful Improvements in Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates particularly to shoes for children, but is equally applicable to boots and shoes for larger persons; and the nature of my invention consists in introducing a cord into the upper surface of the outer sole extending around the toe and part of the sides, forming a raise thereon, within which the inner sole fits, the object being to protect the upper of the shoe at the toe and prevent it from being worn out too soon.

In the accompanying drawing, Figure 1 is a side elevation of a shoe embodying my invention. Fig. 2 is a plan view of the two soles when put together. Figs. 3 and 4 show the modes of introducing the cord; and Fig. 5 is a cross-section through the line *x x*, Fig. 4.

A represents the outer and B the inner sole of a shoe cut in the manner generally used to allow the sole to project beyond the shoe proper around the toe and sides. The upper surface of the outer sole A is cut so as to split a thin portion of the leather from the top around the toe and sides, and a cord, *a*, laid in under this part, after which said split portion is pasted down again onto the sole, forming, as it were, a round ridge or bead around this part of the sole. The inner sole B fits within this bead or ridge, and has its edges beveled down, as shown in Fig. 5. The upper part of the outer sole may be split from the inside outward or from the outside inward a suitable distance to allow of the insertion of the cord *a* and the pasting down of said part again, as above described. In children's shoes that part which most generally wears out first is the toe, owing to the wear thereon against the edge of the inner sole. To remedy this defect the outer sole has been recessed or hollowed out on its upper surface for the inner sole to fit therein, but this is objectionable from the waste of material consequent thereon, as well as the weakening of the outer sole, and the time and labor required. Another way has been to attach a welt to the sole, but the edge of the inner sole has nevertheless soon worn through, and in the use of cork soles a cushion has been placed below the insole, so that the outer edge of the insole rests upon the cushion, and consequently comes above the lower part of the upper, and thus the upper is quickly worn where it comes in contact with the insole.

With my invention of inserting a cord into the leather of the outer sole a perfect protection is formed for the toe, and the edge of the inner sole will have no chance to wear a hole in the upper of the shoe, as the insole does not extend above the cord *a*, so that there is no chance for the upper to be cut, in use, by the insole; and in this construction the sole forms the material by which the cord is held, and on the outside below the upper the material is continuous, leaving no space for moisture to enter, nor is the sole to which the cord is secured weakened by the removal of any of the leather.

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

The sole A, having the upper surface cut or split and the cord *a* inserted, leaving a continuous outside surface of the same piece, in combination with the insole B, the outer edges of which are even with the top of the cord, all as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN H. HUSSEY.

Witnesses:

J. TYLER POWELL,

HARRY C. SCOTT.