(No Model.)

C. W. MONSON.

BOOT OR SHOE.

No. 294,253. Patented Feb. 26, 1884.

Fig. 1.

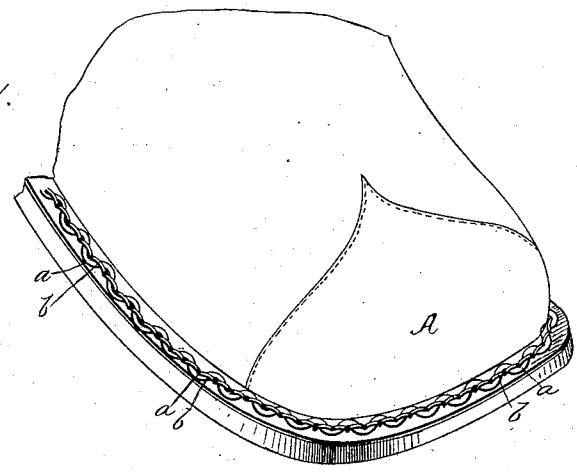


Fig. 2.

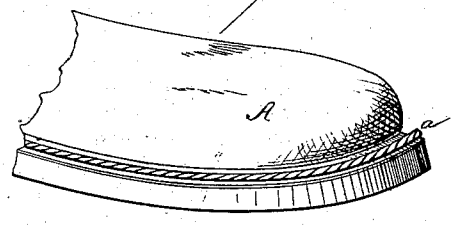
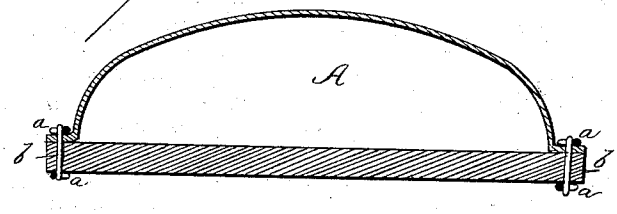


Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES W. MONSON, OF LAGRO, INDIANA.

BOOT OR SHOE.

SPECIFICATION forming part of Letters Patent No. 294,253, dated February 26, 1884.

Application filed October 11, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. MONSON, a citizen of the United States, residing at Lagro, in the county of Wabash and State of Indiana, have invented certain new and useful Improvements in Boots and Shoes, of which the following is a specification.

My invention relates to an improvement in the mode of securing the soles of boots and shoes to their uppers; and it consists in the use of a cord both above and below the sole, over which the stitches are passed, substantially as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and use, referring to the accompanying drawings, in which—

Figure 1 is a perspective view of the toe of a boot or shoe, showing one form of my device. Fig. 2 is a side view of the same, showing a different form of stitching; and Fig. 3 is a cross-section of a boot or shoe.

A represents a shoe of the kind known to the trade as a "stitchdown," and is of any of the well-known shapes. In this class of shoes and boots, the uppers, instead of being turned in at their juncture with the sole, are turned out, and commonly secured by stitching through both upper and sole. This, however, is liable to cut through the upper, which soon gives way, and the shoe or boot is not lasting. To obviate this difficulty, I provide a waxed cord or a cord of leather or other suitable material, *a*, which is laid along the sole both above and beneath, and secured by passing the stitches over or around it, thus giving a much greater bearing-surface upon the material of both upper and sole, and decreasing the liability of cutting through the same or of the rotting of the stitches by the effects of the weather. This stitching may be made in many forms. That represented in Fig. 1 shows the cord *a* placed upon the surface of the leather and passed under the stitch *b* from one side, and brought back again under the next stitch, forming a very sightly mode of securing the portions of a shoe together, while giving great bearing-surface to the stitches, and distributing the strain along the cord, so that should a weak part of the upper tend to allow the stitching to give way, the strain, being distributed along the cord, will protect such weakness and obviate the danger of a break. Another mode of securing the cord is shown in Fig. 2, where the cord, after being passed beneath the stitch, is brought back again and passed under the next stitch from the same direction, thus producing the appearance of a heavy twisted cable.

It is obvious that this mode of sewing may be done either by hand or with a machine, and the cord may be used either upon one or both sides of the leather. The cord as well as thread should be well waxed before being twisted, as this will serve to preserve it from rotting.

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

1. The combination, with a boot or shoe sole and upper, of a cord inserted beneath the loops of the sole-edge stitches and upon the leather, substantially as and for the purpose set forth.

2. The method herein described of securing the sole and upper of a boot or shoe, consisting of passing a cord of suitable size back and forth between the loops of the sole-edge stitches and the surface of the leather, whereby the bearing-surface of the stitches is increased and cutting of the leather prevented, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES W. MONSON.

Witnesses:
W. C. MCARTHUR,
F. JOHNSON.