M. L. COOK.

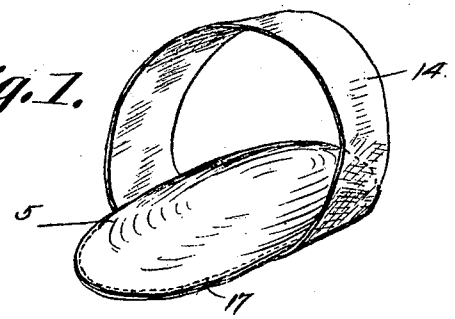
ARCH SUPPORT.

APPLICATION FILED MAY 14, 1919.

1,318,972.

Patented Oct. 14, 1919.

Fig. 1.



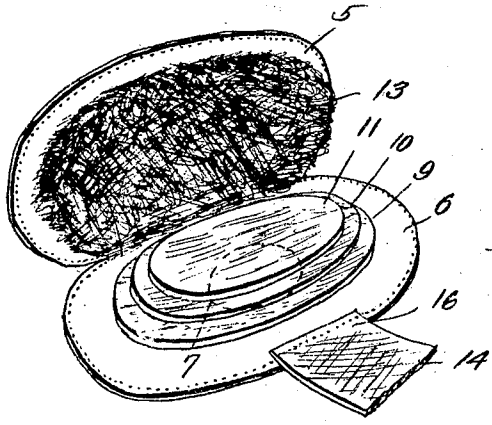


Fig. 2.

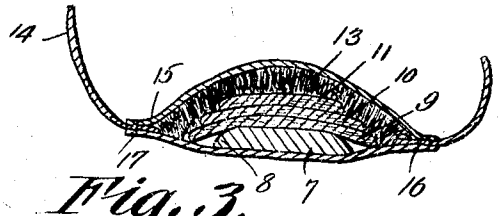


Fig. 3.

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UNITED STATES PATENT OFFICE.

MARTHA L. COOK, OF ALBANY, NEW YORK.

ARCH-SUPPORT.

1,318,972. Specification of Letters Patent. Patented Oct. 14, 1919.

Application filed May 14, 1919. Serial No. 297,018.

To all whom it may concern:

Be it known that I, MARTHA L. COOK, a citizen of the United States of America, and resident of Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Arch-Supports, of which the following is a specification.

This invention relates to devices for supporting arches and muscles of the feet, and it has for an object the provision of novel means for so bracing feet as to restore the main and metatarsal arches.

A further object of this invention is to provide a device which will prove effective to gently support the feet in order that gradual restoration will result without tiring the user or subjecting him to inconvenience or pain.

A further object of this invention is to produce a device which will possess flexibility and prove durable as well as efficient and satisfactory in supporting the parts of the feet while permitting free movemert thereof.

With the foregoing and other objects in view, the invention consists in the details of construction, and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, and in which—

Figure 1 illustrates a perspective view of a device embodying the invention;

Fig. 2 illustrates a perspective view of the same partially dismantled; and

Fig. 3 illustrates a view in cross section.

In these drawings 5 and 6 denote the top and bottom of the casing or cover consisting of pieces of leather, preferably sheep skin of the general configuration shown. The bottom 6 supports a tension brace 7 consisting of dense leather, preferably oak tanned leather, and the upper edges 8 of the tension brace are curved.

There are superimposed strips 9, 10 and 11 of wool felt supported by the tension brace and the said strips are graduated in size from the bottom to the top layer or strip. The cover carries wool fiber 13 which has a cushioning effect and permits such yielding as to cause the support to adapt itself and conform to the contour of the foot resting on it; furthermore, the support can be worn without liability of chafing or otherwise injuring the foot.

A band or retaining belt 14 has its ends 15 and 16 secured between the top and bottom of the casing preferably by stitching 17.

The device, of this invention when perfectly fitted, supports the muscles of the foot and so holds them in place as to restore the arches of the foot as hereinbefore stated; furthermore, the device has the advantage of permitting absolute flexibility of the ligaments and muscles, and has a tendency to permanently correct nearly all foot troubles.

I claim:—

1. In an arch support, an upper and lower cover, a tension brace comprising a strip of dense material inside the lower cover, felt strips superimposed on the tension brace, and wool fiber interposed between the top cover and the felt strips.

2. In an arch support, an upper and lower cover, a tension brace comprising a strip of dense material inside the lower cover, felt strips superimposed on the tension brace, said felt strips being of reduced size from the bottom to the top, and wool fiber interposed between the top cover and the felt strips.

MARTHA L. COOK.