

F. KORNDER.
INSOLE SUPPORT.

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1,044,891.

Patented Nov. 19, 1912.

Fig. 1.

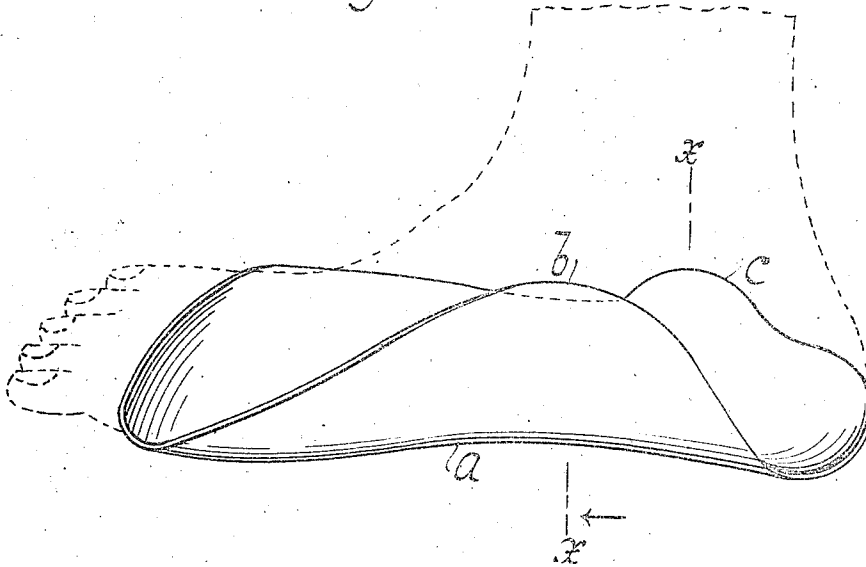
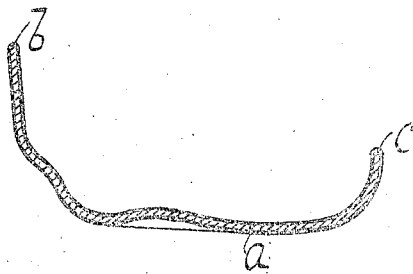


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

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INSOLE-SUPPORT.

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To all whom it may concern:

Be it known that I, FREDERICK KORNDER, a citizen of the United States, residing at New York, county of New York, and State of New York, have invented new and useful Improvements in Insole-Supports, of which the following is a specification.

My invention consists of a new and improved insole and arch supporter for a flat or club foot. Heretofore these braces and supporters have been constructed of metal or have been made of leather with a steel spring in the leather.

I construct my brace or supporter of a single piece of raw-hide pressed in the desired shape. The raw-hide is coated with a color, preferably a flesh color and enameled so that the same is water-proof and will not absorb perspiration from the foot.

In the accompanying drawings Figure 1 shows a side elevation of my improved arch supporter and the foot and ankle are shown in dotted lines. Fig. 2 is a sectional view taken on the line *x x* of Fig. 1.

My device consists of a foot supporter constructed as shown in the drawings, having a base *a* and curved sides *b* and *c*, the inner side *b* as shown in the drawings being higher than the outer side *c*.

My supporter being pressed out of a single piece of raw-hide, is of course seamless, is very light and durable, and at the same time is resilient and flexible, and is much more comfortable and beneficial to the wearer than a supporter which is made entirely of metal, and is much more comfortable than a supporter which is made of leather with a metal spring in it.

The lower portion *a* of the device is suitably shaped to conform to the curvature of the lower portion of the foot and it extends longitudinally from the heel to the front portion of the ball of the foot. This lower portion has its rear end curved to fit the outline of the lower part of the heel and the front portion is curved to conform to the extreme forward portion of the ball of the foot where it joins the toes.

The upwardly extending inner side *b* is curved longitudinally along its upper edge from the front portion of the ball of the

foot to the heel and the apex of the curve is situated under the inner ankle bone of the foot. The outer side *c* is curved along its upper edge and extends from the heel to the arch of the foot while the apex of the curve is located under the outer ankle bone of the foot.

It will thus be obvious from the foregoing description that when the device is positioned on the foot it will not be apt to shift or change its position, the heel portion setting closely against the inner part of the shoe while the front portion rests where the toes are joined to the foot.

The peculiar form of the side wings *b* and *c* prevent the ankle joints of the foot from sagging downward and at the same time keep the sides of the foot in proper position.

The entire device is covered with a coating of paint or enamel which covers the pores in the rawhide and gives a smooth and glossy appearance to the article.

In other words the device consists of a single piece of rawhide of even thickness throughout so that when the device is fitted to the foot it can be worn in any ordinary shoe.

One of the advantages of the invention is that the rawhide is resilient and by reason of the peculiar shape of the device it will embrace the inner and outer sides of the upper portion of the foot and retain its original shape. The device being covered with a waterproof substance such as enamel or liquid celluloid will constitute a simple and efficient perspiration resisting instep and arch supporter.

Having described my invention, I claim—

1. An insole and arch supporter formed of a single piece of resilient rawhide of even thickness throughout, adapted to be fitted to a foot and worn with an ordinary shoe, having its lower portion suitably shaped to conform to the heel, arch and ball of the foot, and having side wings extending upwardly to embrace the upper inner and outer sides of the foot, and a waterproof substance covering the entire surface of the rawhide.

2. An insole and arch supporter formed of a single piece of resilient rawhide of even

thickness throughout adapted to be fitted to a foot and worn with an ordinary shoe, having its lower portion suitably shaped to conform to the heel, arch and ball of the foot, and having side wings projecting upwardly to embrace the upper inner and outer sides of the foot.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

FREDERICK KORNDER.

Witnesses:

WM. E. WARLAND,
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