

F. TILT & J. E. TELLING.
SHOE OR BOOT.

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1,034,744.

Patented Aug. 6, 1912.

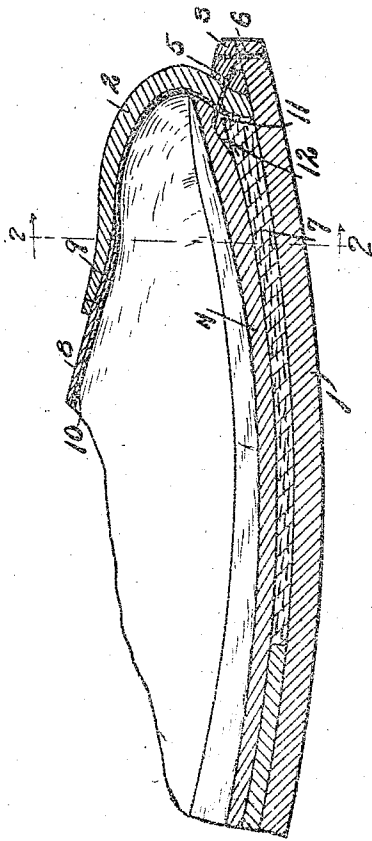


Fig. I.

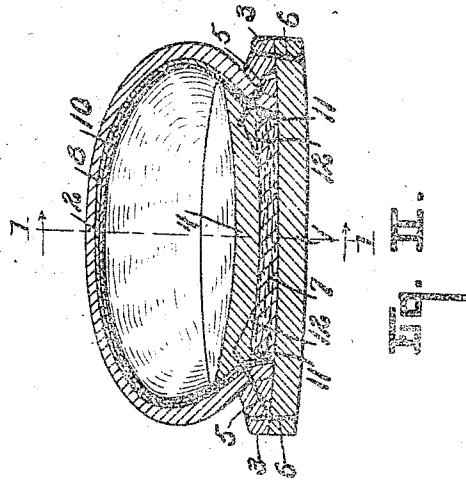


Fig. II.



Fig. III.

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UNITED STATES PATENT OFFICE.

FREDERICK TILT AND JOHN E. TELLING, OF HOLLAND, MICHIGAN.

SHOE OR BOOT.

1,034,744.

Specification of Letters Patent.

Patented Aug. 6, 1912.

Application filed March 30, 1912. Serial No. 687,404.

To all whom it may concern:

Be it known that we, FREDERICK TILT and JOHN E. TELLING, citizens of the United States, residing at Holland, county of Ottawa, and State of Michigan, have invented certain new and useful Improvements in Shoes or Boots, of which the following is a specification.

This invention relates to improvements in shoes or boots.

The object of the invention is to construct in an economical form a shoe or boot which shall have a very durable sole leather tip which shall present a finished appearance and will keep its shape.

Objects pertaining to details of construction will definitely appear from the description to follow.

We accomplish the objects of our invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

A structure constituting a preferred embodiment of our invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure I is a longitudinal central vertical sectional view through the tip end of a shoe or boot, taken on a line corresponding to line 1--1 of Fig. II. Fig. II is a transverse detail sectional view on a line corresponding to line 2--2 of Fig. I. Fig. III is a detail cross sectional view of the inner sole showing the stitching channels formed at the edge thereof.

In the drawing, the sectional views are taken looking in the direction of the little arrows at the ends of the section lines, and similar numerals of reference refer to similar parts throughout the several views.

In the drawing, the outsole 1 is of the usual form of such sole in a Goodyear welt shoe.

2 is the tip and box made of one piece of chrome tanned and waterproofed sole leather, in which tanning process the leather has become waterproofed as distinguished from a tanned leather that has been there-after waterproofed. This sole leather is known under the trade name of "Korry-Krome." The leather thus chrome tanned and waterproofed, is capable of being effectively

molded and conformed to the shape of the last after the application of heat, and has no perceptible tendency to become deformed by the action of water or moisture in use.

The welt 3 and the insole 4, of the usual form, are secured by the stitching 5 through the heavy edge of the tip. The welt 3 is stitched to the outsole 1 by the seam 6. A suitable filler 7, usually of cork composition, is provided between the insole 4 and the outsole 1, as is the usual construction. The vamp 8 is secured to the skived rear edge of the tip 2 by a row of stitching 9, or a plurality of such rows, extending through the same. A lining 10 extends around within the vamp and the tip and is retained by the same seam which secures the insole to the vamp, tip and welt, the overlapped parts being retained by the same seam, as clearly appears in Fig. II. Channels 11 and 12 are cut in the insole 4 for the reception of the stitching 5 which connects these parts together.

From this description it will be seen that a shoe is formed with a tip 2 of chrome tanned and waterproofed sole leather which it has been found is adapted to this purpose, as it can be formed under heat and still retain its waterproof qualities and a very firm outer surface, very resistant to wear and not subject to deformation by the action of the elements. It has not been possible to use sole leather in this position, except it was cut from soft and flabby parts of the hide because it could not be effectively conformed and made use of in this position. We employ chrome tanned and waterproofed sole leather and discover that by manipulation and the proper handling of such leather, it is capable of use in this place in a Goodyear welt shoe, and its advantage is very great as it takes the place of and constitutes both the tip and the box, and secures a perfectly formed shoe, which is very durable and especially desirable for boys' and children's wear, although the features are of importance in any shoe or boot.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. The combination with a Goodyear welt shoe or boot, of a combined tip and box formed of a single piece of chrome tanned

sole leather waterproofed during the tanning and suitably molded and secured in place.

2. The combination with a shoe or boot, of a combined tip and box formed of chrome tanned sole leather waterproofed during the tanning and suitably molded and secured in place.

In witness whereof, we have hereunto set our hands and seals in the presence of two witnesses.

FREDERICK TILT. [L. S.]
JOHN E. TELLING. [L. S.]

Witnesses:

HUGO OHRWALL,
AUGUST HENER.