

E. LANGENOHL.
 APPARATUS FOR SHAPING BOOT AND SHOE UPPERS.
 APPLICATION FILED JAN. 30, 1909.

1,036,649.

Patented Aug. 27, 1912.

Fig. 1.

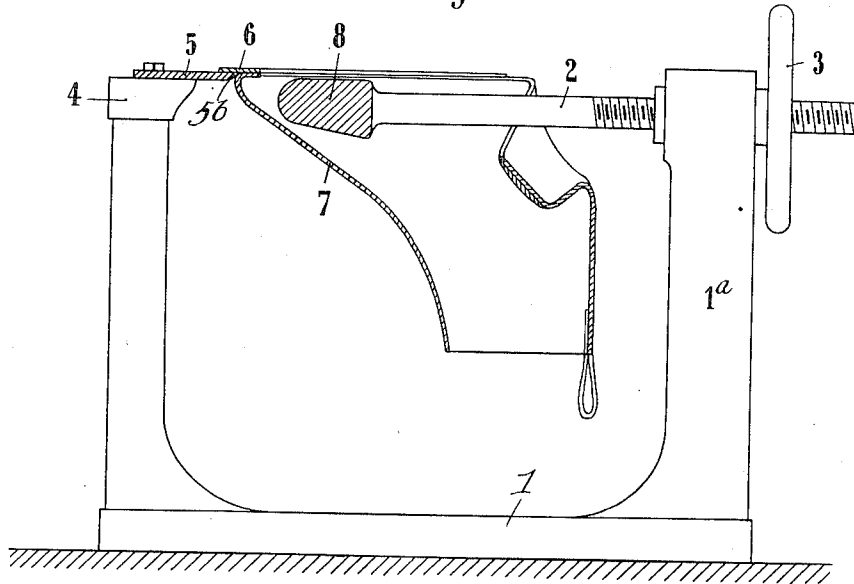


Fig. 2.

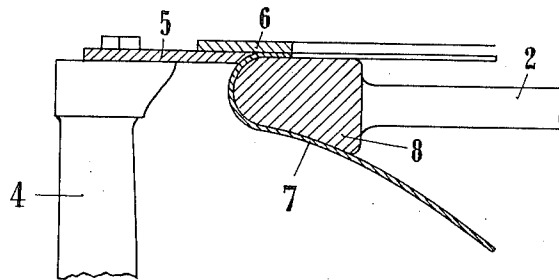
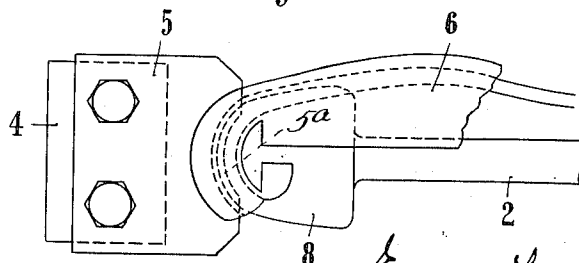


Fig. 3.



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APPARATUS FOR SHAPING BOOT AND SHOE UPPERS.

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To all whom it may concern:

Be it known that I, EWALD LANGENOHLE, a subject of the King of Prussia, residing at Wustbachstrasse 2, Wermelskirchen, in the Rhineland, Germany, have invented certain new and useful Improvements in Apparatus for Shaping Boot and Shoe Uppers, of which the following is a full, clear, and complete specification.

This invention relates to apparatus for shaping boot and shoe uppers and the invention has for its object to simplify and facilitate this portion of the work.

The invention will be more fully described in connection with the accompanying drawing.

In the drawing:—Figure 1, is a view in side elevation with parts in section showing one embodiment of my invention. Fig. 2 is a similar view showing a portion of the parts illustrated in Fig. 1 and showing a different position of said parts. Fig. 3 is a plan view of the parts shown in Fig. 1.

Like numerals of reference designate similar parts throughout the different figures of the drawing.

As shown my invention comprises a frame 1 provided with uprights 4 and 1^a to the former of which a toe member is secured. Said toe member is preferably in the form of a plate 5 which as shown is bolted to the upright 4 and is recessed at 5^a in a manner to embrace the outer rounded end of the toe. The recessed portion is chambered as indicated at 5^b for a purpose which will now be described.

As hereinbefore stated the invention is designed for employment in the production of the boot or shoe at a time prior to the regular lasting operation and the machine is employed at that stage of the manufacture wherein the upper 7 is sewed or otherwise secured to the welt 6. Preferably the welt 6 is sewed to the upper from the toe portion rearwardly so that the upper will not be displaced or stretched out of form in shaping the toe. The toe member 5 is adapted to engage the boot or shoe between

the upper and the welt in a manner to hold the former in place during the lasting or shaping of the toe.

A toe last or former 8 is provided, and the same is equipped with a threaded extension 2, which extends through and is slidably mounted in the upright 1^a. A hand wheel or equivalent device 3 may be provided for imparting the requisite movement to the former 8 during the lasting operation.

In practice the article is placed in position as shown in Fig. 1, and the leather is preferably dampened so that it will readily yield to the action of the former 8. The hand wheel is turned so as to advance the former 8 toward the member 5 in the manner shown in Fig. 2 so that the dampened leather of the upper 7 will be shaped in accordance with the form of the last 8. In practice it has been found to be advantageous to advance the former or last 8 very slowly and permit the parts to remain in the position shown in Fig. 2 for a suitable length of time so that after the upper dries the leather will retain the shape and form given by the part 8. After the upper has become dry and the article is removed the subsequent process of lasting the upper in the usual manner is found to be greatly facilitated by the previous shaping of the toe.

I claim:—

1. A device for shaping the toe of a boot or shoe prior to lasting and soling comprising in combination, a stationary frame, a plate secured to said frame and recessed to engage the end of the toe between the welt and the upper, a toe former provided with a threaded extension slidably mounted in said frame, and a hand-wheel for forcing said former into the toe portion and above the welt to shape said portion.

2. A device for shaping the toe of boots and shoes prior to lasting and soling comprising in combination, a stationary frame, a toe member secured to said frame and projecting between the upper and the welt, a toe former, and means for forcing said

former into the toe portion of the upper and above the welt to shape said portion.

3. A device for shaping the toe of boots and shoes prior to lasting and soling comprising in combination, a stationary toe member engaging the upper between the same and the welt, a toe former, and means for forcing said former into the toe portion

of the upper above the welt to shape said portion.

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

EWALD LANGENOHLE

Witnesses:

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