Dec. 7, 1926. 1,610,215

A. DVILNSKY

TREATING OF LEATHER AND THE LIKE

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Fig. 1.

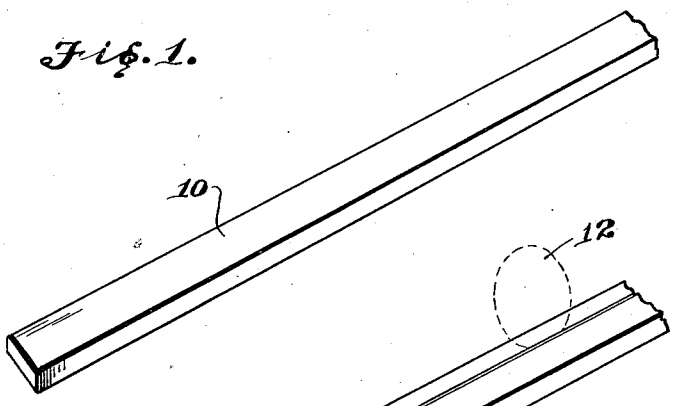


Fig. 2.

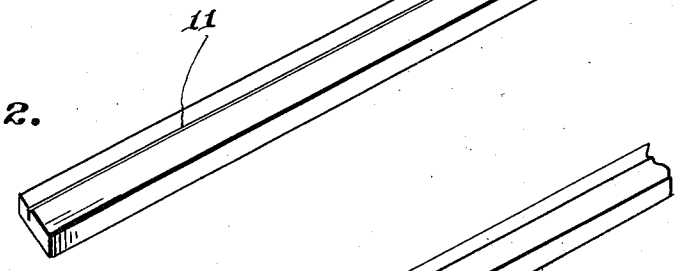


Fig. 3.

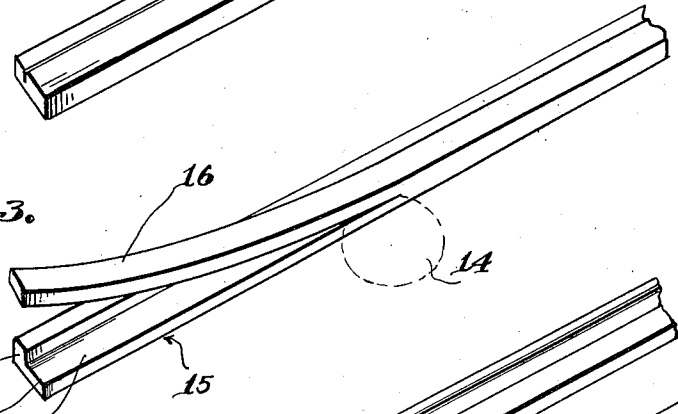


Fig. 4.

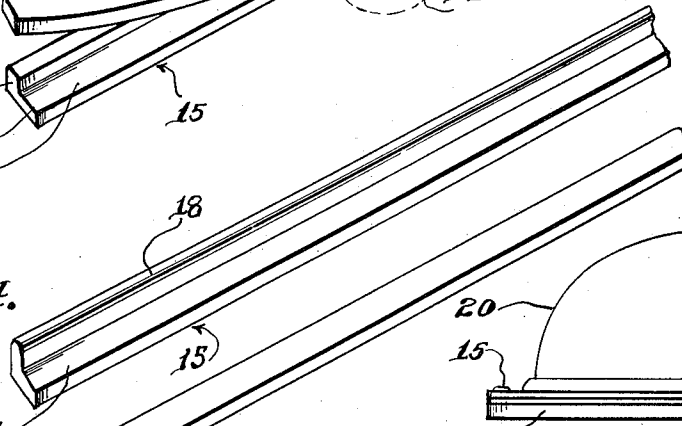
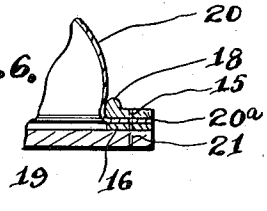


Fig. 5.

Fig. 7.

Fig. 6.



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Fig. 8.

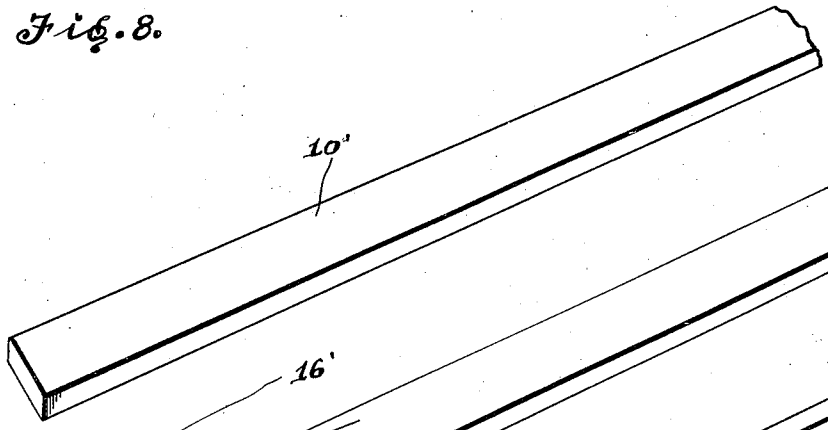


Fig. 9.

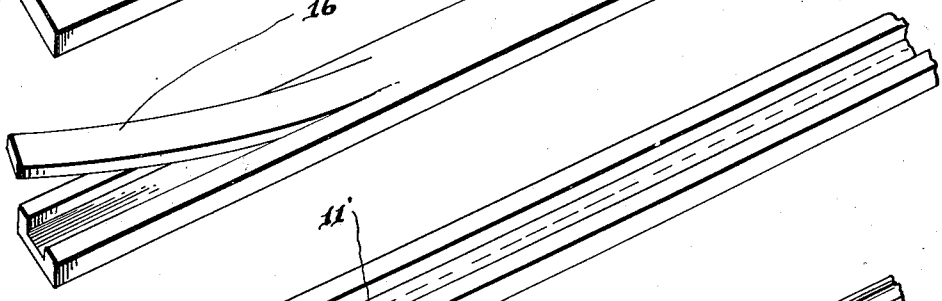


Fig. 10.

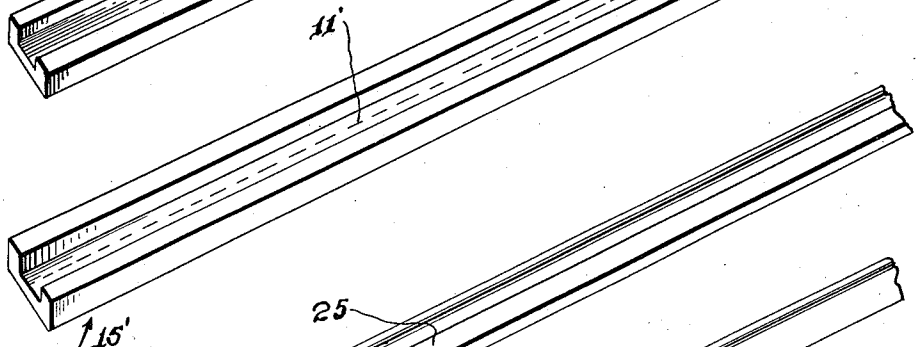


Fig. 11.

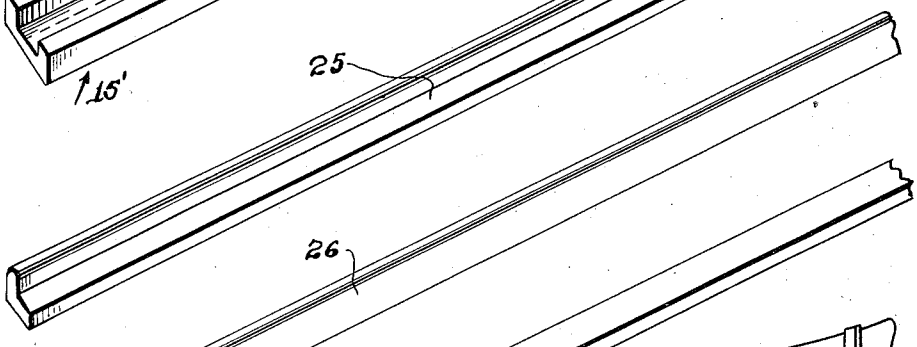


Fig. 12.

Fig. 13

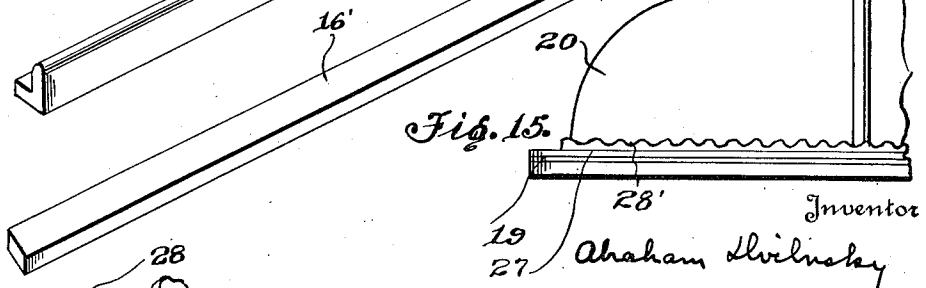


Fig. 14.

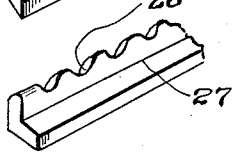


Fig. 15.

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Patented Dec. 7, 1926. 1,610,215

UNITED STATES PATENT OFFICE.

ABRAHAM DVILNSKY, OF BROCKTON, MASSACHUSETTS.

TREATING OF LEATHER AND THE LIKE.

Application filed February 8, 1926. Serial No. 86,894.

This invention relates to a method of treating leather and more particularly to the method of making welts of different characteristics from a single strip of leather.

The invention contemplates the making of at least two welt pieces from a single strip of leather. One of these welt pieces may be used as a calk or weather-proof welt, and the other welt piece may be used as a sandal welt or for other purposes as will be apparent. The invention also contemplates the application of either the calk welt or the other welt or both to stitch-down shoes, and an important feature of the invention is the provision of the calk welt to stitch-down shoes.

For a complete understanding of the invention, reference is to be had to the following description and to the accompanying drawings forming a part of this specification.

In the drawings:

Fig. 1 is a perspective view of a fragment of a strip of leather treated in accordance with the present invention;

Fig. 2 is a view similar to Fig. 1 after one cutting operation has been performed;

Fig. 3 is a similar view illustrating another cutting operation;

Fig. 4 is a perspective view of a fragment of the calk welt;

Fig. 5 is a perspective view of the thin welt piece;

Fig. 6 is a detail sectional view showing the welt pieces applied to a stitch-down shoe;

Fig. 7 is a fragmentary side view of a stitch-down shoe having a calk welt.

Figs. 8 to 15 illustrate a modification.

Fig. 8 is a perspective view of a strip of leather.

Fig. 9 is a perspective view showing the cutting operation.

Fig. 10 is a perspective view showing the appearance of the strip after the removal of the central strip, the dotted line showing the cutting line for the next operation.

Figs. 11 and 12 show the calk welts formed from the strip shown by Fig. 10.

Fig. 13 is a view of the central strip removed from the piece shown by Fig. 9.

Fig. 14 is a fragmentary view of one of the calk welts with a pinked rib, and

Fig. 15 is a view similar to Fig. 7 showing calk welts with the pinked rib.

Referring to the drawings in detail, the reference character 10 designates a strip of leather that is treated in accordance with the present invention. This strip 10 is cut longitudinally along the line indicated at 11 by a suitable cutter 12, as indicated on Fig. 2. The strip is also cut longitudinally from one side to a marginal line 13 by a suitable cutter 14, as indicated by Fig. 3. The cutting operations result in forming from the single strip 10 two strips 15 and 16. The strip 16 may be used as a sandal welt or in stitch-down shoes, or for other purposes.

The strip 15 consists of the body piece 17 and the flange or bead-piece 18, these pieces being at right angles to each other. In order to impart the appearance of a calk welt to the bead-piece 18, the latter is rolled by a press-roller and by a polishing roller. The finished calk welt piece is illustrated by Fig. 4.

In Figs. 6 and 7, is illustrated the application of the calk welt to a stitch-down shoe. The upper 20 has an outwardly down-turned portion 20^a. Over this down-turned portion 20^a is positioned the calk welt 15, as shown more clearly by Fig. 6, and a line of stitching 21 secures the upper and the welt to the outer-sole 19. The piece 16 may, if desired, be placed between the downwardly turned upper portion 20^a and the outer sole 19, as shown.

Referring to Figs. 8 to 15 which illustrate a modified method and article, the reference character 10′ designates a strip of leather which is preferably wider than the strip 10 previously referred to. This strip of leather 10′ has a central strip 16′ removed therefrom, as illustrated by Fig. 9, leaving a channel strip 15′ as shown by Fig. 10. This channel strip 15′ is then cut along a medial line 11′ whereby two flanged strips 25 and 26, shown by Figs. 11 and 12 respectively, are formed. These strips may be rolled to form a bead similar to the bead-piece 18. It will thus be seen that by simple cutting and rolling operations, three welt pieces of different characteristics may be formed from a single piece or strip of leather. Fig. 14 shows a calk welt having its bead pinked or scalloped, making rough edges on the beaded edge, as indicated at 28, and may be applied to a stitch-down shoe as shown by Fig. 15, in a manner similar to the application of the welt 15 with its bead-piece 18, as shown by Fig. 6.

In view of the above description, the method, construction and utility incident to the invention will be readily understood, and it will be appreciated that by simple cutting and rolling operations welts of various characteristics may be formed from a single strip of leather. The calk welt pieces thus obtained may be applied to a stitch-down shoe as hereinbefore stated.

Having thus described the invention what is claimed and desired to be secured by Letters Patent of the United States is:

1. The method of treating a strip of leather or the like to form at least one welt piece having characteristics of a caulk welt comprising the step of removing from one face of said strip a strip substantially rectangular in cross section leaving a strip having at least one longitudinally extending upstanding marginal flange.

2. The method of treating a strip of leather or the like to form a plurality of welt pieces comprising the removing from said strip of a strip substantially rectangular in cross section leaving a strip having two spaced longitudinally extending marginal flanges, and the dividing of said flanged strip longitudinally to form two strips each having a marginal flange.

In testimony whereof I hereunto affix my signature.

ABRAHAM DVILNSKY.