

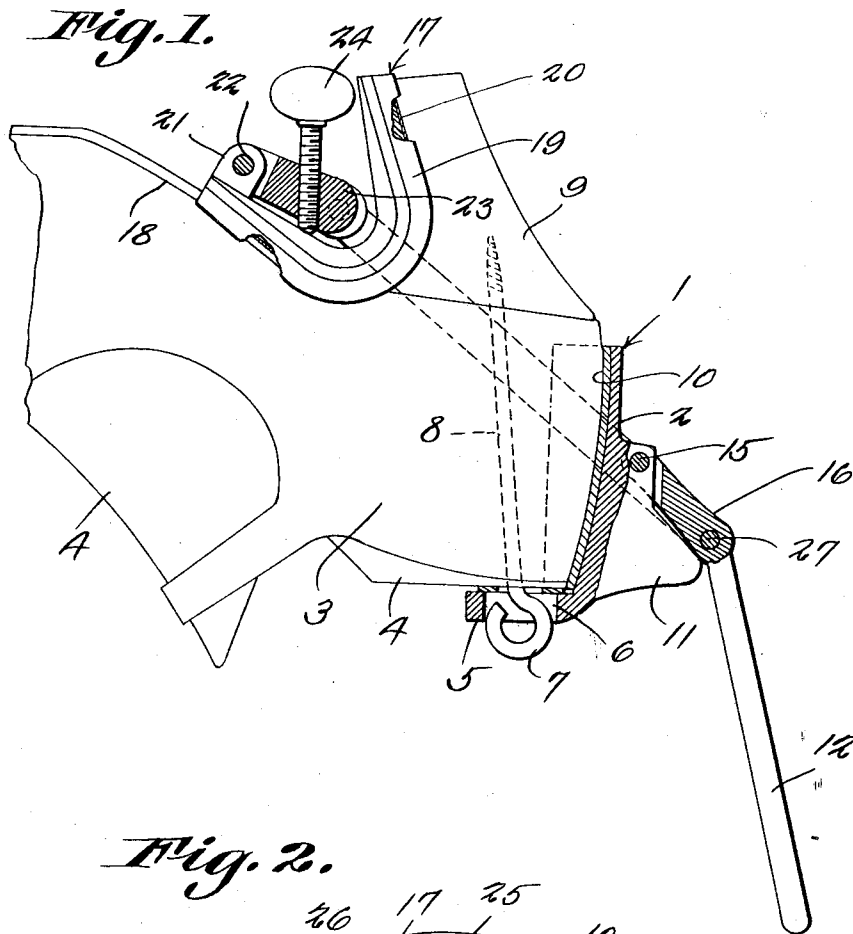
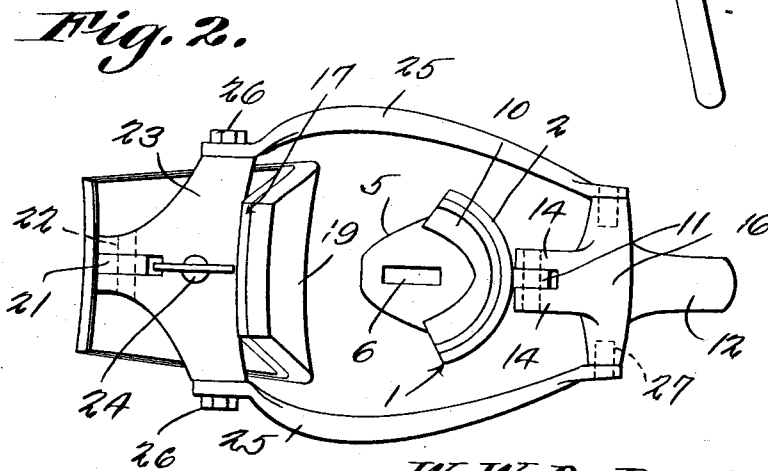
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W. W. DE RUSHA ET AL

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HEEL CLAMP

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HEEL CLAMP

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By way of explanation, it may be stated that it is the present practice to paste a strip of cloth, leather, or similar material on the inner vertical surface of the heels of women's shoes, the strip being continued for a greater or less distance, along the instep of the shoe. Owing to the fact that the parts of the strip are at an angle to each other, it is a somewhat difficult proceeding to hold the strip properly in place while the cement or glue which retains it is drying. This invention aims to provide a simple but efficient means for holding a strip in place, as and for the purposes above alluded to.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in section, a device constructed in accordance with the invention, mounted on a shoe which has been inverted on a last;

Figure 2 is a plan of the device per se.

The device forming the subject matter of this application comprises an anchor which is designated generally by the numeral 1. The anchor comprises a body 2, preferably in the form of a metal plate, so concaved that it will fit upon the rear end of a shoe 3, the shoe being shown as mounted on a last or other support 4. The body 2 of the anchor 1 is provided at one end with a projecting flange 5 which extends beneath the last 4, to aid in holding the anchor in place, when the anchor is in use, as shown in Figure 1 of the drawings. The flange 5 has a slot 6 adapted to receive the eye 7 of a securing device, preferably a screw 8 extended through the last 4 and threaded into the heel 9 of the

shoe 3, to hold the heel in place and prevent it from being shoved off the shoe, rearwardly, when the machine forming the subject matter of this application is in use.

In order to prevent the body 2 of the anchor 1 from marring the back end of the shoe 3, a pad 10, of cloth, rubber, or any other cushioning material, may be secured in the concavity of the body 2. The body 2 of the anchor 1 is provided with a rearwardly extended projection or fin 11. A lever 12 is provided and has bifurcations 14, between which the fin 11 extends, a pivot element 15 being mounted in the fin 11 and serving as a fulcrum for the lever 12. Intermediate its ends, the lever 12 is supplied with a cross bar 16.

The numeral 17 marks a presser foot which is substantially V-shaped, so as to fit into the angle that exists between the inner surface of the heel 9 of the shoe 3 and the instep 18. The presser foot 17 is provided with an external cushion 19 of rubber or other resilient material, the purpose of the cushion 19 being to cause a strip 20 to be held in intermediate contact with the inner surface of the heel 9 and in intermediate contact with the surface of the instep of the shoe, whilst the cement or glue which holds the strip in place is drying. The strip 20 generally is made of cloth, although any other flexible material may be used, as the fashion, or the make-up of the shoe may require.

The presser foot 17 has a projection 21 to which is pivoted at 22, a T-shaped connecting plate 23 into which is threaded a screw 24 or like adjusting device. Links 25 are pivoted at 26 to the sides of the connecting plate 23, the links being pivoted at 27 to the ends of the cross bar 16 of the lever 12.

The anchor 1 is placed against the heel of the shoe as shown in Figure 1, the strip 20 is cemented against the inner surface of the heel 9 and against the instep 18, and the V-shaped presser foot 17 is mounted in place as shown in Figure 1. The screw 24 is threaded in or out, as may be required, the inner end of the screw 24 bearing on the presser foot 17 to vary the angle between the connecting plate 23 and the presser foot. By vary-

ing the angle between the connecting plate 23 and the pressor foot, the distance between the pivot point 22 and the pivot point 27, measured in a straight line, is changed.

- 5 This adjustment is desirable in order to get proper pressure on the cushion 19 of the presser foot 17 when the lever 12 is swung down until its intermediate portion rests on the upper edge of the fin 11, as shown in Figure 1.
- 10 When the parts are thus arranged, the strip 20 is held in place on the instep and on the heel, the device may remain in place until the cement or glue that holds the strip 20 has dried or set sufficiently.

What is claimed is:—

- 15 In a structure of the class described, a securing device so shaped that it can be extended through the bottom of a shoe into the heel of a shoe to hold the heel in place, an
- 20 anchor having means for engaging the securing device detachably, a presser foot shaped to fit in the angle formed by the heel and the instep of a shoe, and means for connecting the presser foot with the anchor for move-
- 25 ment toward and away from the anchor.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures.

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