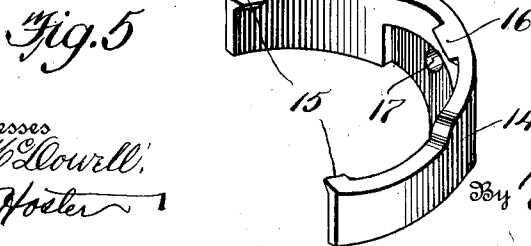
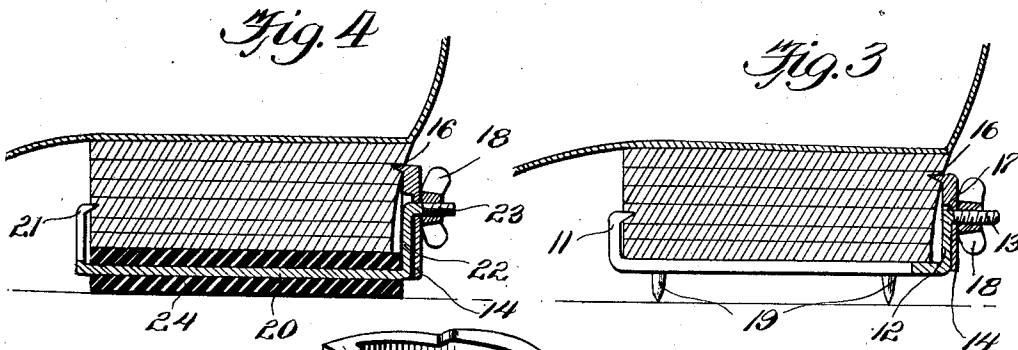
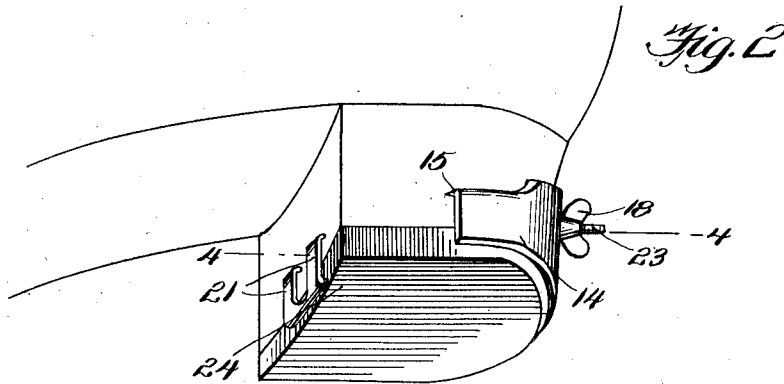
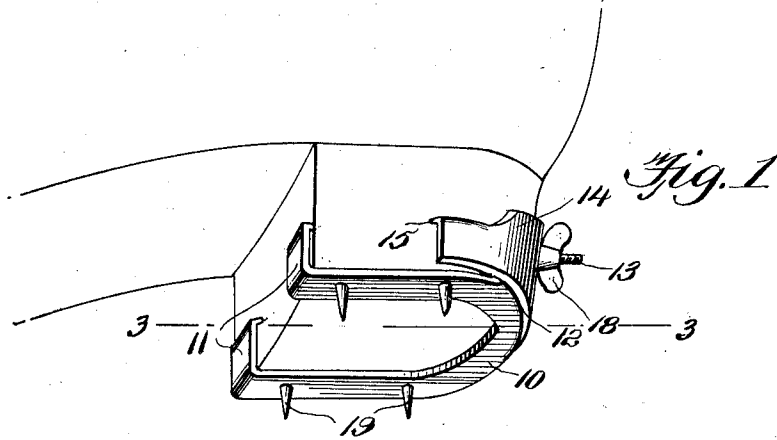


J. A. FRENCH.
HEEL ATTACHMENT.
APPLICATION FILED MAR. 29, 1911.

1,058,685.

Patented Apr. 8, 1913.



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HEEL ATTACHMENT.

1,058,685.

Specification of Letters Patent.

Patented Apr. 8, 1913.

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To all whom it may concern:

Be it known that I, JOHN A. FRENCH, a citizen of the United States, residing at North Conway, in the county of Carroll and State of New Hampshire, have invented new and useful Improvements in Heel Attachments, of which the following is a specification.

The invention relates to boots and shoes and has for an object to provide an attachment for securing anti-slipping members to the heel of a shoe.

Among other features the invention embodies a clamp which is adapted for connection with the heel of a shoe for securing thereto suitable anti-slipping members.

Reference is to be had to the accompanying drawings constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a perspective view showing the anti-slipping calk in combination with my clamping member and applied to a shoe. Fig. 2 is a perspective view showing a cushion heel in combination with my clamping member and applied to a shoe. Fig. 3 is a longitudinal sectional view taken on the line 3—3 in Fig. 1. Fig. 4 is a transverse sectional view taken on the line 4—4 in Fig. 2, and Fig. 5 is a perspective view of the clamping member.

Referring more particularly to the various views I employ a fork shaped body 10 having the forward ends thereof bent upwardly to form clamping lugs 11, the rear end of the said fork shaped body terminating in a flange 12 having a screw 13 integrally formed thereon and extended rearwardly therefrom. A clamping member 14 consisting of an integral piece of material slightly curved and having the outer ends thereof provided with integral attaching lugs 15 is provided with an integral attaching lug 16 disposed centrally with respect to the clamping member and the said clamping member is provided with an aperture 17 adapted to receive therein the screw 13 of the fork shaped body 10, a suitable thumb nut 18 being provided for engagement with the screw 13 to removably hold the clamping member thereon. Secured to the fork shaped member 10 and depending from the under side thereof are a plurality of pointed studs 19.

In the application of my device to the heel

of a shoe the fork shaped member is disposed to engage the heel of the shoe with the forward lugs 11 engaging the forward edge of the heel adjacent the instep of the shoe, the rear portion of the said heel being disposed to rest against the rear portion of the fork shaped body member 10 so that the clamping member will abut against the rear end of the heel, the attaching lugs formed on the clamping member being adapted to grip the said heel and clamp the fork shaped body to the heel when the thumb nut is screwed up on the screw of the fork shaped member.

In Figs. 2 and 4 I disclose a frame 20 having a plurality of clamping lugs 21 integrally formed on the forward end thereof and having the rear end terminating in a flange 22 provided with an integral screw 23, the said frame being provided with an anti-slipping member 24 secured to the frame between the forward clamping lugs and the said screw. When it is desired to attach an anti-slipping member to the heel of a shoe in combination with the heretofore mentioned clamping member, the frame 20 is disposed to engage the heel with the forward clamping lugs engaging the forward edge of the heel adjacent the instep, the said flange on the said frame being adapted to abut against the rear end of the heel. The clamping member is then moved into engagement with the screw on the frame and is adapted to grip the heel when the thumb nut is screwed up on the said screw, thus binding the anti-slipping member securely to the heel of the shoe.

From the foregoing description it will be seen that in the use of either the anti-slipping calk body or the cushion heel body I employ a clamping member to secure either of the said bodies to the heel of a shoe as shown in Figs. 1 and 2.

My combined attachment is particularly adaptable for use by painters and other mechanics who, in the pursuance of their business are forced to walk indoors and outdoors many times during the day. By using the anti-slipping calks of my device when they are outside, especially in slippery weather, all danger of falling on the slippery pavement or the like is avoided and when the mentioned persons work inside of the building and tread over highly polished floors and the like the anti-slipping device can be previously removed and

the cushion heels substituted therefor, so that in their operations over parquet floors and the like the shoes will not mar or scratch said floors.

5 Having thus fully described the invention, what I claim as new, is:—

10 1. In combination with an anti-slipping member for clamping engagement with a shoe, a U-shaped clamping member, a screw formed with the said anti-slipping member on one of the ends thereof, and a thumb
15 nut for threaded connection with the said screw and movable thereon to engage the said clamping member and advance the same into clamping engagement with the shoe.

2. In combination with an anti-slipping member for clamping engagement with a

shoe, a U-shaped clamping member, a flange formed on the anti-slipping member at the rear thereof, a screw integrally formed on 20 the flange and projected rearwardly, the said screw having the said clamping member loosely mounted thereon, and a thumb nut having threaded connection with the said screw and movable thereon to engage the 25 clamping member to advance the same into clamping engagement with the shoe.

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

JOHN A. FRENCH.

Witnesses:

NELSON THOMPSON,
ALFRED E. NASH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
