

No. 767,183.

PATENTED AUG. 9, 1904.

C. H. SWENSON.
DETACHABLE HEEL CALK FOR SHOES.

APPLICATION FILED MAR. 7, 1904.

NO MODEL.

Fig. 1.

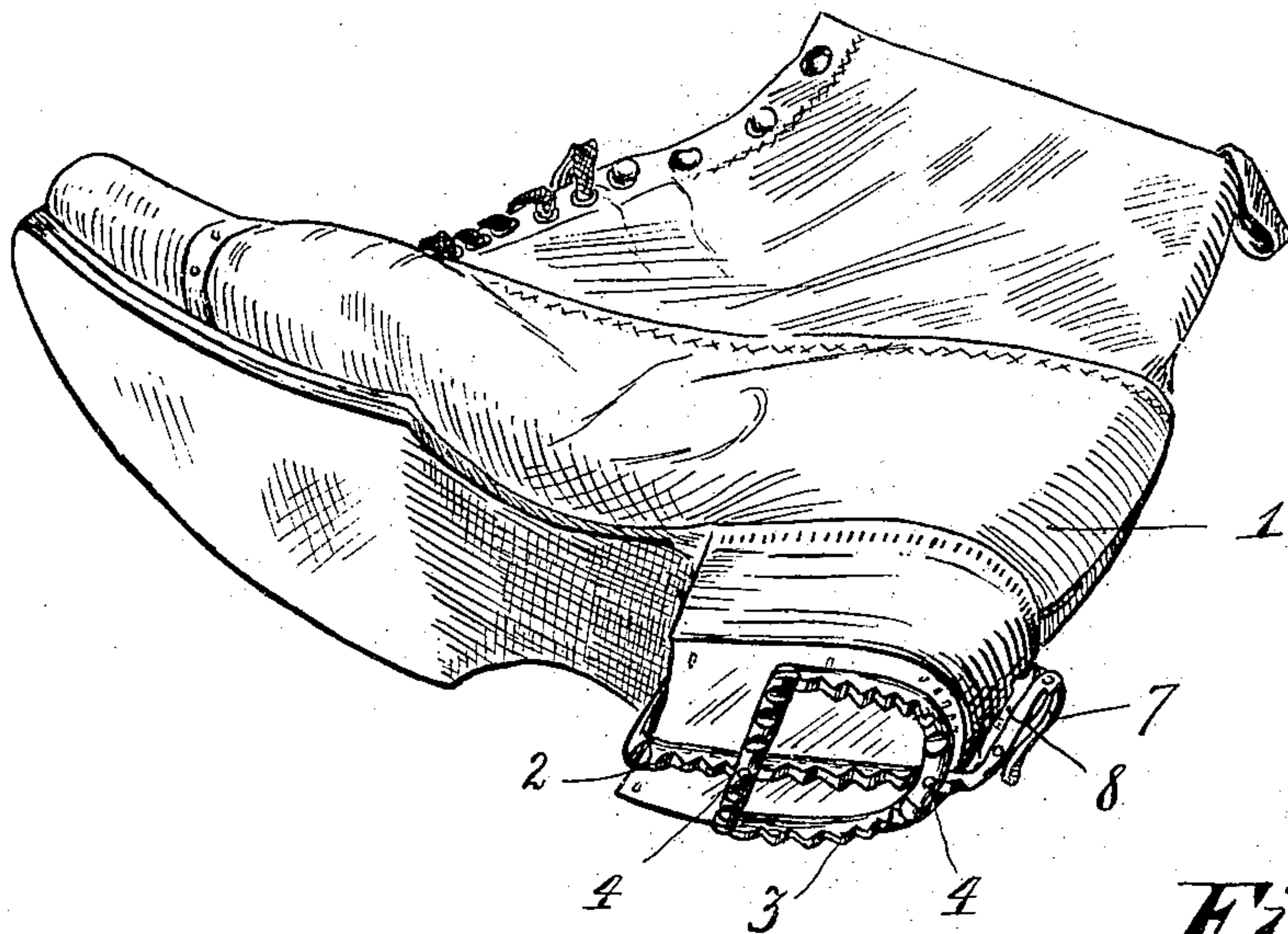


Fig. 3.

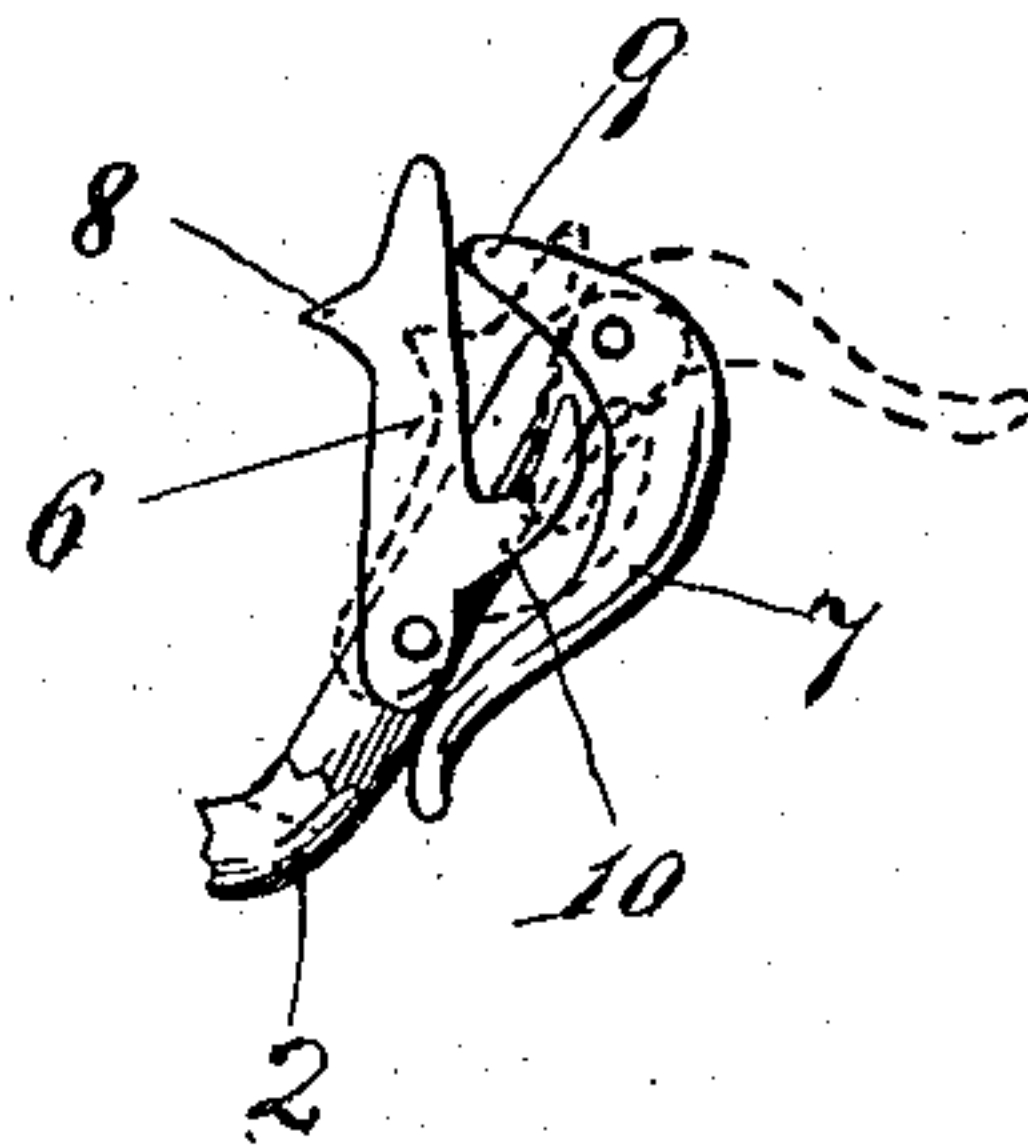
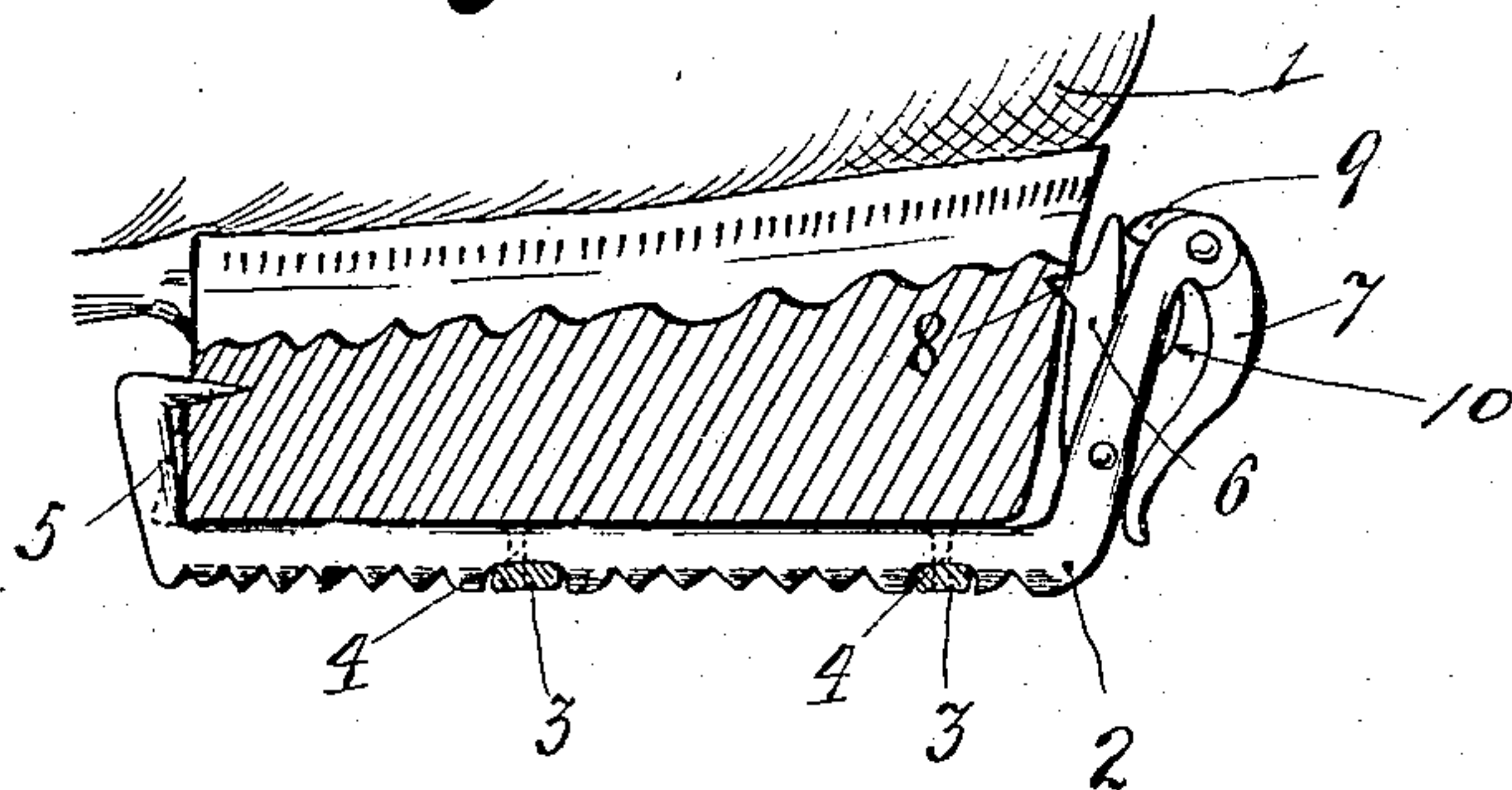


Fig. 2.



Witnesses,

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UNITED STATES PATENT OFFICE.

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DETACHABLE HEEL-CALK FOR SHOES.

SPECIFICATION forming part of Letters Patent No. 767,183, dated August 9, 1904.

Application filed March 7, 1904. Serial No. 196,797. (No model.)

To all whom it may concern:

Be it known that I, CLAUS H. SWENSON, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Detachable Heel-Calks for Shoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object to provide a simple and efficient detachable heel-calk for shoes; and to this end it consists of the novel devices and combinations of devices herein-after described, and defined in the claims.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views. Figure 1 is a perspective view showing a shoe having my improved calk applied to the heel thereof. Fig. 2 is a view in side elevation with some parts sectioned, showing the improved calk and the heel of the shoe to which it is applied; and Fig. 3 is a detail in side elevation showing a portion of the improved calk.

The numeral 1 indicates an ordinary shoe, to the heel of which the calk is applied.

In its preferred form the detachable calk is made up of a central bar 2 and a D-shaped section 3, to which said bar is centrally attached by rivets 4 or otherwise. The said bar 2 and section 3 are serrated on their under surfaces, and the said bar is turned upward at its ends, so as to embrace the front and rear portions of the heel. The upwardly-turned forward end of the bar 2 is formed with a sharp barb 5, which is adapted to be drawn into the front face of the heel of the shoe. To the upturned rear end is pivoted a lock-dog 6 and a cam-acting lock-lever 7. The lock-dog 6 on its free end is formed with a forwardly-projecting sharp barb 8, which is adapted to be forced into the rear face of the shoe-heel, as shown in Fig. 2, by the action of the lever 7. The said lever 7 at its short end is provided with a cam-point 9, which when the outer end of said lever is forced down, as shown by full lines in the drawings, presses against the up-

per end of the lock-dog 6 and forces the barb 8 thereof into the heel of the shoe. The said dog 6 is also formed with a projecting finger 10, with which the cam end 9 of said lever is adapted to be engaged to force said dog rearward and its barb 8 out of engagement with the heel of the shoe when the said lever 7 is turned into the position indicated by dotted lines in Fig. 3. It is important to note that when the said lever 7 is forced into its operative position (indicated by full lines in the drawings) its cam-point 9 is thrown upward beyond a dead-center, so that the said lever will be securely held in its locking position.

From the foregoing it is evident that the device may be very quickly applied to the heel of a shoe and may be very quickly removed therefrom, and, furthermore, that when applied in working position it will be very firmly held on the heel.

The obvious purpose of this device is to prevent the shoe from slipping on ice or slippery roads or walks, and it is of course evident that the serrated surfaces of the parts 2 and 3 will effectually accomplish this result. Furthermore, the device is of very small cost, is light, and has no parts that are liable to do damage to the wearing-apparel.

The device is of course capable of modification within the scope of my invention as herein set forth and claimed.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

1. In a device of the character described, the combination with a serrated or roughened body member, having a portion engageable with the front of the heel and having an upturned rear portion, of a lock-dog pivoted to the rear upturned portion of said body member and provided with a barb engageable with the heel and having a rearwardly-projecting finger, of a lock-lever pivoted to the said upturned rear portion of said body member and having a cam end for action on the free end of said lock-dog to force the barb thereof into the heel and operating on the finger of said dog to positively force the same into a retracted position, substantially as described.

2. The combination with the serrated bar 2, turned upward at its ends and provided at its

upturned forward end with the barb 5, of the
serrated member 3 rigidly secured to said bar 2,
the lock-dog 6 pivoted to the upturned rear end
of said bar and provided with the barb 8 and
5 retracting-finger 10, and the lock-lever 7 also
pivoted to the upturned rear end of said bar
2, said lever having the cam end 9 operating
on the free end of said dog to force its barb
into the heel, and operating on said finger 10

to force said dog into a retracted position, so
substantially as described.

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

CLAUS H. SWENSON.

Witnesses:

H. D. KILGORE,
F. D. MERCHANT.