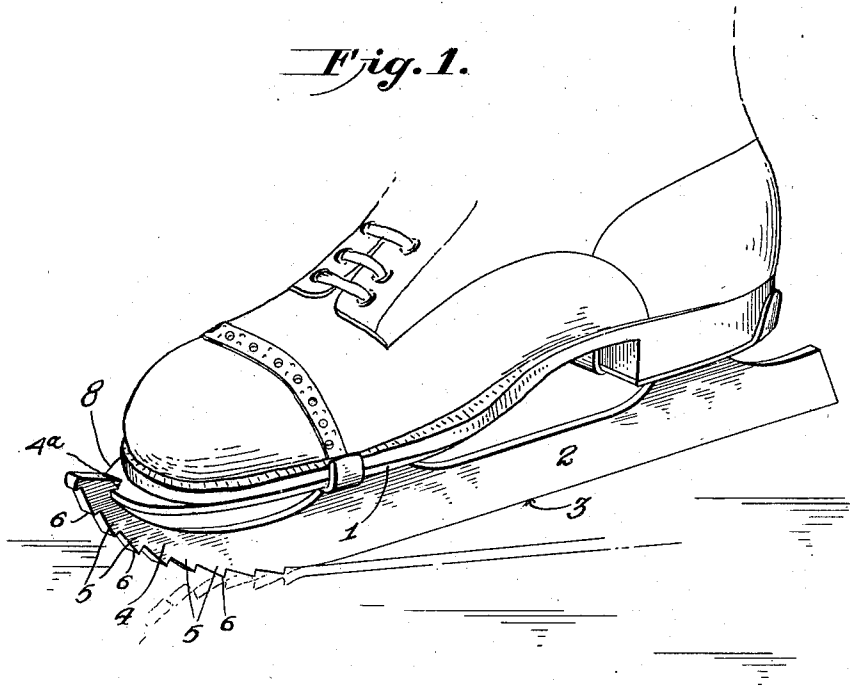


C. ADLER.  
SKATE RUNNER.  
APPLICATION FILED FEB. 23, 1910.

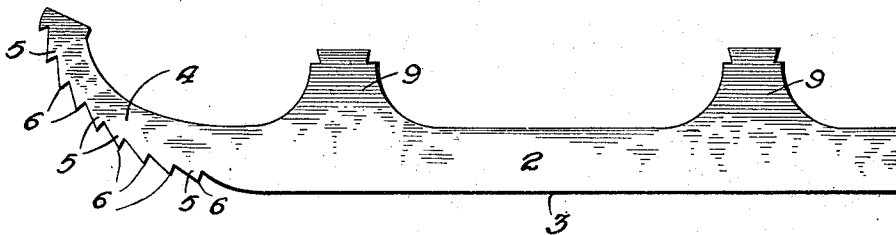
997,030.

Patented July 4, 1911.

*Fig. 1.*



*Fig. 2.*



Inventor  
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Witnesses

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*H. Joseph Doyle*

By

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his Attorney

# UNITED STATES PATENT OFFICE.

CHRIST ADLER, OF CUSTAR, OHIO.

SKATE-RUNNER.

997,030.

Specification of Letters Patent.

Patented July 4, 1911.

Application filed February 23, 1910. Serial No. 545,296.

*To all whom it may concern:*

Be it known that I, CHRIST ADLER, citizen of the United States, residing at Custar, in the county of Wood and State of Ohio, have invented certain new and useful Improvements in Skate-Runners, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to ice skates, and the principal object of the same is to provide a runner therefor that is provided with means that will prevent rearward slippage of the skates and which will also assure of the runner having a firm engagement with the ice so that the starting stroke of skating will be expedited.

In carrying out the objects of the invention generally stated above it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings.

The invention consists in the construction and arrangement of parts, as will be hereinafter described and particularly pointed out in the claim.

Figure 1 is a perspective view of a skate equipped with the improved runner. Fig. 2 is a detail view in side elevation of the runner.

The improved runner has been shown in connection with the well known type of clamp skates, said skates being designated generally by the numeral 1. The runner 2 has the usual straight elongated ice-engaging surface 3 and at its forward end is provided with the upwardly and outwardly curved nose 4. Said nose 4 has its ice-engaging surface provided with transversely arranged teeth 5 whose sharpened outer ends 6, incline rearwardly so that any tendency of the skate runner to slide rearward will cause said teeth to firmly bite into the ice.

It will be seen from the foregoing that the improved runner will be of material aid

to beginners, and also that it will greatly aid racers in getting a quick start for the reason that the nose of the runner being firmly engaged with the ice, the racer can quickly swing into his stride without danger of a rearward slip.

It will be obvious that the rearward incline of the teeth is such that they do not interfere at all with the forward movement of the runner.

It is to be noted (see Fig. 1) that the nose 4 terminates at its upper end in a rearwardly and downwardly-extending plate-engaging hook or lug 4<sup>a</sup>; the plate 8, at its forward end, is securely held under the hook or lug 4<sup>a</sup> (Fig. 1) and is supported upon the standard portions 9. The hook 4<sup>a</sup> serves as an efficient holding means for the plate 8, as the curvature of the nose prevents the plate from being pushed down on the runner, whereas the hook 4<sup>a</sup> rigidly and securely fastens the plate 8 upon the standard portions 9. It also is to be noted that the nose 4 is gradually curved in the arc of a circle, and that the under-surface of said nose is provided with teeth formed saw-like; each tooth projecting from the nose at right-angles to the longitudinal axis of the same, whereby said teeth bite into the ice so as to prevent backward slipping of the runner when a forward stroke of the skate is made.

What I claim as my invention is:—

A skate comprising a runner having its forward end curved upward from the tread to its upper extremity, the under surface of said forward end being provided with rearwardly projecting saw-like teeth throughout the entire curved portion whereby backward movement of the skate upon the ice will be prevented when the heel portion is raised.

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

CHRIST ADLER.

Witnesses:

HARRY J. JONES,  
NANCY FRANCE.