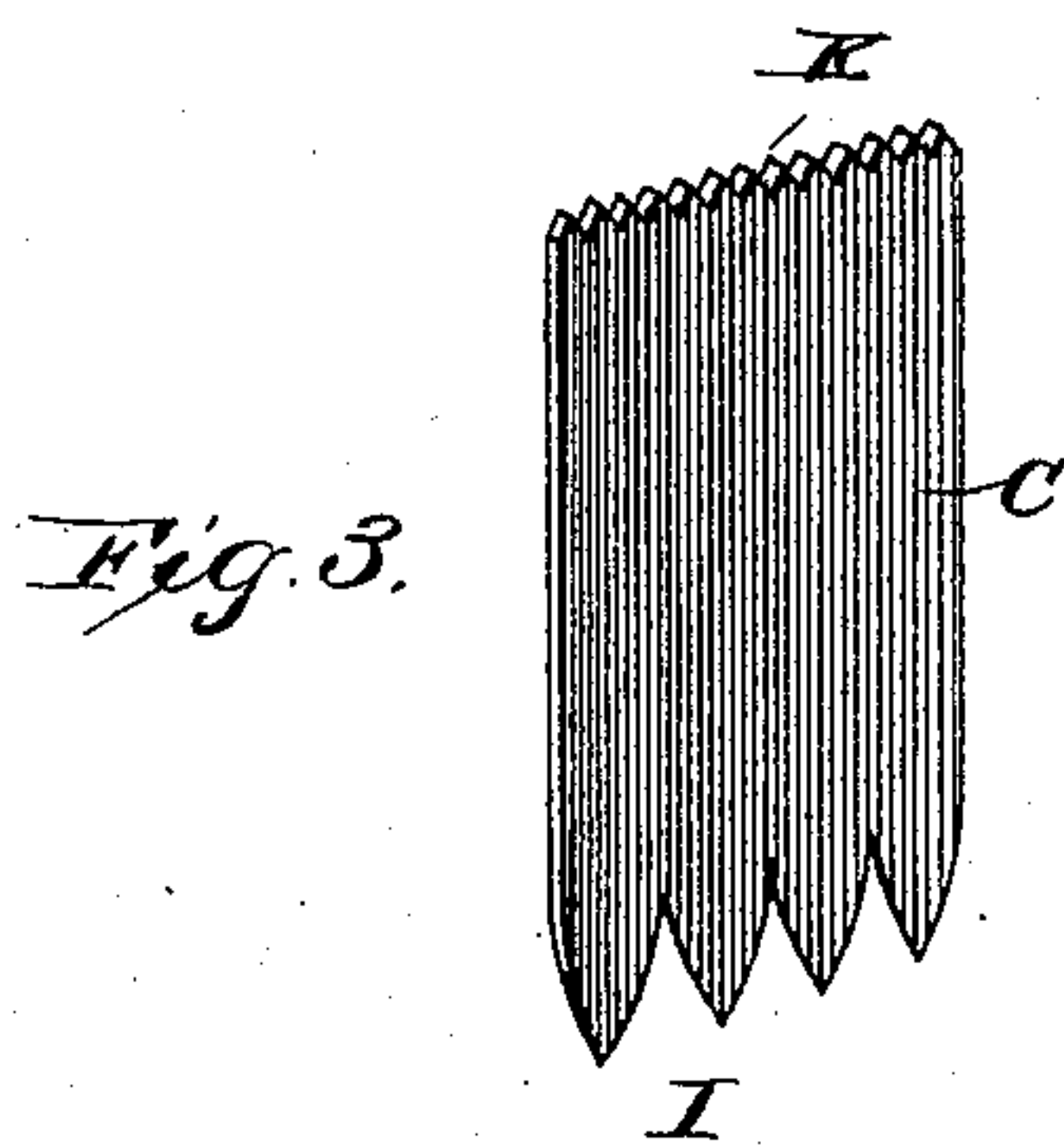
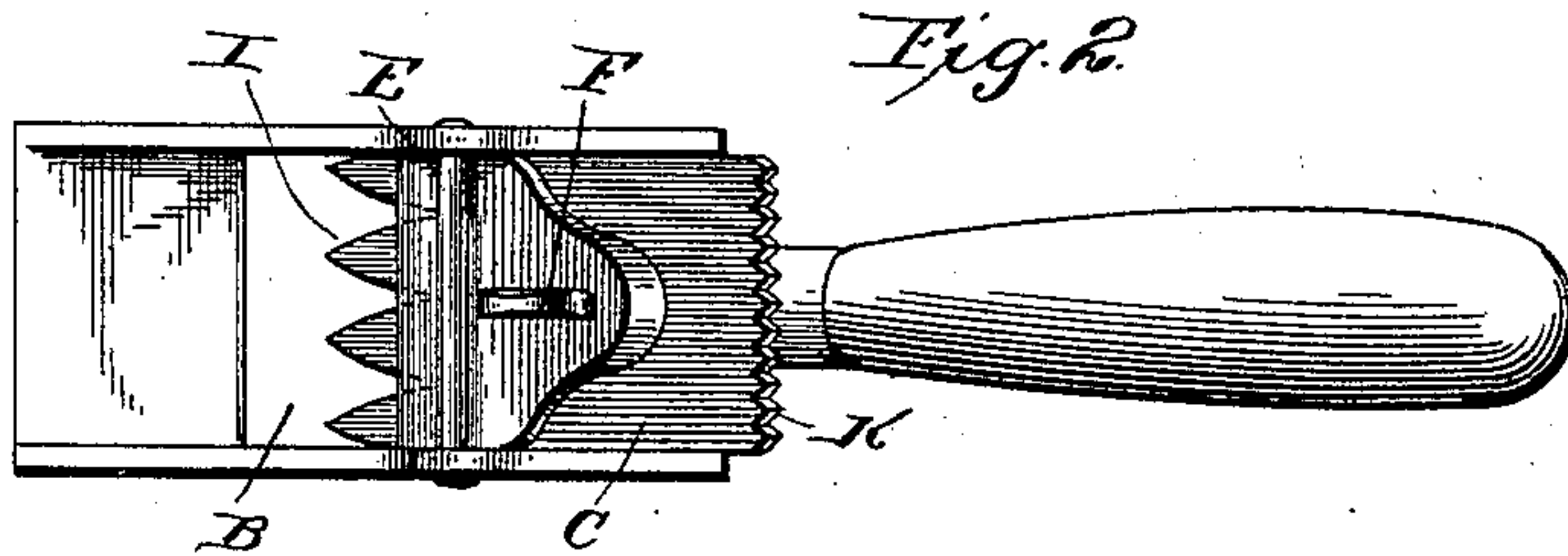
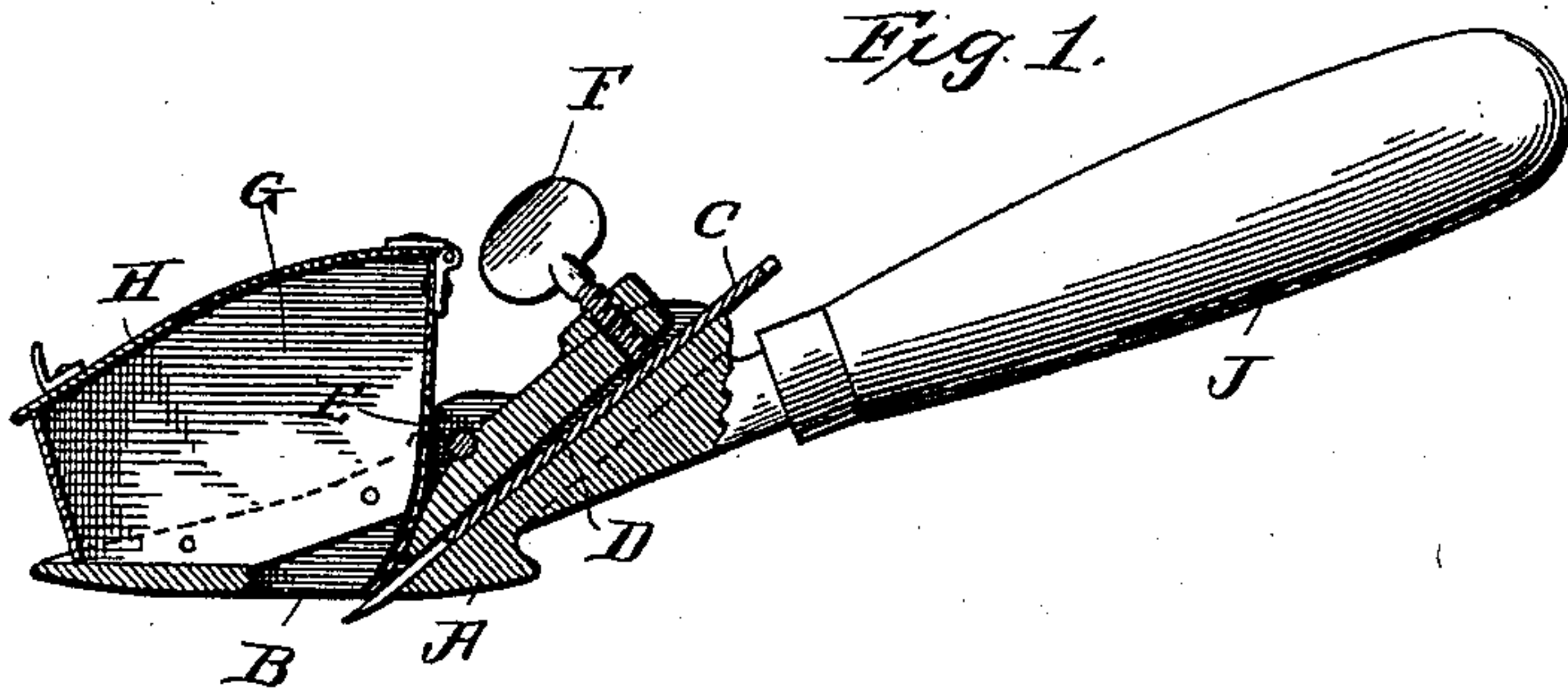


(No Model.)

C. A. SCHWENK & R. L. WILSON.  
ICE SHAVE.

No. 581,177.

Patented Apr. 20, 1897.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

CHARLES A. SCHWENK, OF PHILADELPHIA, PENNSYLVANIA, AND ROBERT  
L. WILSON, OF CAMDEN, NEW JERSEY.

## ICE-SHAVE.

SPECIFICATION forming part of Letters Patent No. 581,177, dated April 20, 1897.

Application filed June 26, 1896. Serial No. 597,034. (No model.)

*To all whom it may concern:*

Be it known that we, CHARLES A. SCHWENK, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, and  
5 ROBERT L. WILSON, residing at Camden, in the county of Camden and State of New Jersey, citizens of the United States, have invented certain new and useful Improvements in Ice-Shaves, of which the following is a  
10 specification.

Our invention relates to a new and useful improvement in ice-shaving devices, and has for its object to provide a device of this description which shall be simple in construction, capable of being adjusted to various  
15 depths of cuts, and having the cutting-blade thereof provided with two sizes of teeth in order that two kinds of shavings may be produced; and with these ends in view our invention consists in the details of construction and combination of elements hereinafter  
20 set forth, and then specifically designated by the claim.

In order that those skilled in the art to  
25 which this invention appertains may understand how to make and use the same, we will describe its construction and operation in detail, referring by letters to the accompanying drawings, forming a part of this specification, in which—  
30

Figure 1 is a section of the shoe and blade therein of our improvement; Fig. 2, a plan view thereof, and Fig. 3 a detailed perspective of the blade.

35 In carrying out this invention we form a shoe A, by casting or otherwise, through which is an opening B of sufficient size to permit the upward passage of the shavings when formed, and upon the upper surface of the shoe, which stands at a considerable angle  
40 to the bottom thereof, is placed the blade C.

D is a block arranged to bear upon the blade by being passed under the pin E, which is secured in the sides of the shoe, and F is  
45 a thumb-screw threaded through the upper end of this block, so that it may also bear upon the blade. By this arrangement the blade may be adjusted to any distance below the bottom surface of the shoe by backing  
50 off the screw and when so adjusted may be

again firmly held by forcing the screw there-against.

It will be seen by reference to Fig. 1 that the pin E fits within a suitable groove in the upper side of the block, thus serving as a  
55 pivot-point on said block, so that when pressure is brought to bear upon the blade by the screw the upper end of said block will be forced upward, thereby forcing the lower end after the manner of a lever against the lower  
60 portion of said blade.

G is a receptacle, of any desired shape, which is secured to the upper side of the shoe and has an opening in the bottom thereof which registers with the opening B in said  
65 shoe, and this receptacle is provided with a hinged cover H, whereby it may be closed. The rear wall of said receptacle is curved and lies against the bottom of the blade to direct the products toward the front, enabling  
70 the receptacle to be completely filled.

From this description the operation of our improvement will be obviously as follows: The blade having been set so that the teeth  
75 I project to a sufficient distance below the surface of the shoe it is only necessary to grasp the handle J and move the shoe back and forth upon the surface of the ice after the manner of a plane, when the teeth will  
80 gouge a certain amount of said ice from the block, and these shavings will be caused to pass upward into the receptacle, from whence they may be removed by opening the cover.

If the shavings formed by the teeth I are too coarse for certain uses, finer shavings  
85 may be produced by turning the blade end for end, so as to bring the teeth K into operative position, and this is quickly done by backing off this set-screw, as before described. By this arrangement a cheap and  
90 effective device is provided, by the use of which shavings of various widths and thicknesses may be produced.

We are aware that devices for shaving ice have been heretofore produced which con-  
95 template the use of a shoe and blade attached thereto, and we therefore do not wish to be understood as laying claim, broadly, to such.

Having thus fully described our invention, what we claim as new and useful is—  
100



As a new article of manufacture, an ice-shave consisting of a shoe, said shoe having an opening formed in its bottom, a slanting rear face leading to said opening, side flanges  
5 formed on said shoe, a pin extending from side to side, a block placed under the pin and a screw threaded through said block, a reversible blade placed between the block and the rear wall, the lower end of said blade  
10 projecting below the lower face of the shoe, a receptacle between the side flanges and secured thereto, the rear wall of the receptacle being curved forward and adapted to bear against the bottom of the blade and a cover

hinged to the top of said receptacle, as and 15 for the purpose described.

In testimony whereof we have hereunto affixed our signatures in the presence of two subscribing witnesses.

CHARLES A. SCHWENK.  
ROBT. L. WILSON.

Witnesses to C. A. Schwenk:

S. S. WILLIAMSON,  
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EDWARD BALL.