

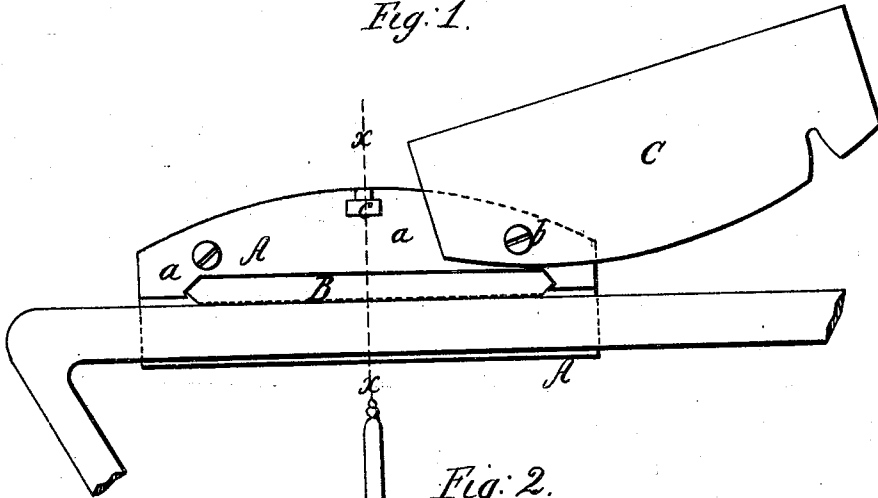
*J. F. Cameron.*

*Skate Sharpener.*

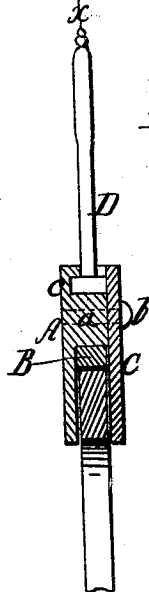
*N<sup>o</sup> 87,822.*

*Patented Mar. 16, 1869.*

*Fig. 1.*



*Fig. 2.*



*Witnesses;*  
*Gustave Dietrich*  
*Anna Morgan*

*Inventor;*  
*J. F. Cameron*  
*per Munn & Co*  
*Attorneys*



JOHN F. CAMERON, OF BROOKLYN, NEW YORK.

*Letters Patent No. 87,822, dated March 16, 1869.*

**IMPROVEMENT IN SKATE-SHARPENER**

*The Schedule referred to in these Letters Patent and making part of the same.*

*To all whom it may concern:*

Be it known that I, JOHN F. CAMERON, of Brooklyn, in the county of Kings, and State of New York, have invented a new and improved Skate-Sharpener; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side view of my improved skate-sharpener.

Figure 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts:

This invention relates to a new instrument for re-sharpening or reshaping the running edges of skate-irons, and consists of a grooved instrument, which retains the grinding-tool at the bottom of the groove, so that the iron is guided between the two flanges, to have the edge perfectly straight.

The invention also consists in pivoting one plate of the holder, to make the sharpening-tool removable and reversible at will.

The invention, finally, consists in providing a gimlet-attachment to the instrument, whereby holes may be bored into boot-heels, to allow the skates to be fastened.

A, in the drawing, represents a plate, made of cast or wrought-iron or other suitable material, and provided with a projecting rib, *a*, which has a recess cut into its lower edge, into which the sharpening-tool B

can be fitted from the side; the ends of the tool and the recess being so shaped that the said tool cannot drop out nor be inserted otherwise than from the side.

To one side of the rib *a* is pivoted, by a pin, *b*, a plate, C, which, when turned to cover the rib, forms another flange on the side of the tool, as shown in fig. 2, the tool being thus held at the bottom of a groove, of which the plates A C are the sides.

The said plates A C form guides for the skate-iron while the same is being sharpened, in order to let the grinding or sharpening be true.

The tool B is a file, or made of other material, and may be reversible for different kinds of work.

When the plate C is swung aside, as in fig. 1, the tool can be removed or reversed.

In the upper part of the rib *a*, is a polygonal recess or indentation, *c*, for receiving the polygonal head of a gimlet, D, as shown in fig. 2, by means of which gimlet the heel may be bored for the reception of the skate-pin.

I claim as new, and desire to secure by Letters Patent—

The skate-sharpener, consisting of the plate A *a*, and the swinging side-plate C, when the former is adapted to receive the reversible tool B and gimlet D, all arranged as described, for the purpose specified.

JOHN F. CAMERON.

Witnesses:

FRANK BLOCKLEY,  
ALEX. F. ROBERTS.