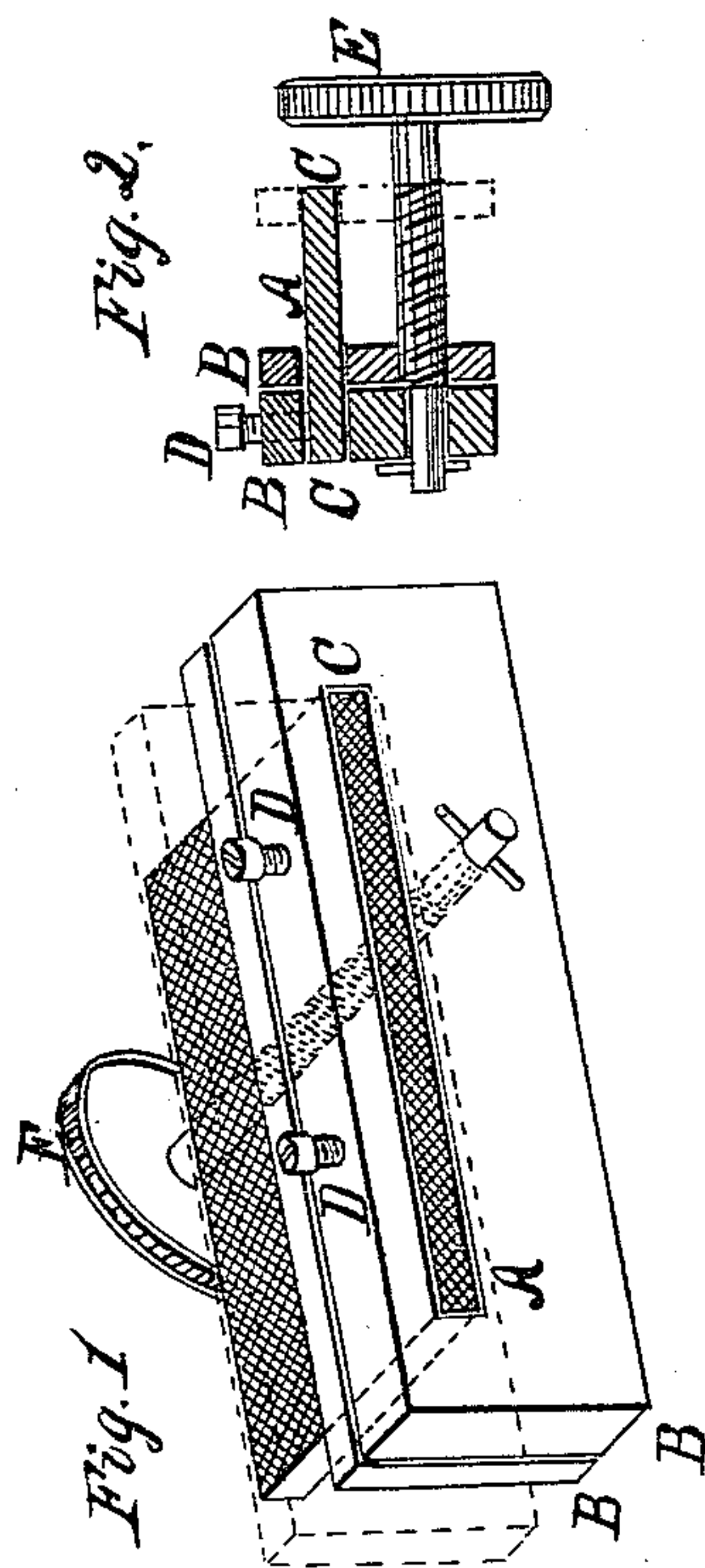


W. F. Hellen,
 Skate Sharpener.
 No 64,529. Patented May 7, 1867.



Witnesses.
 Charles Schinzel
 J. Thurnaz

Inventor.
 W. F. Hellen
 By his Atty
 J. Franklin Stegert

United States Patent Office.

W. F. HELLEN, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 64,529, dated May 7, 1867.

IMPROVEMENT IN SKATE-SHARPENERS.

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, W. F. HELLEN, of the city of Washington, and District of Columbia, have invented a new and useful Adjustable Skate-Sharpener; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a perspective view; and

Figure 2, a cross-section.

The nature of my invention consists in the construction of the slotted guides B, as adjusted by the screw E and the set-screws D, all in combination with the adjustable file A. A represents the flat file, that may be made of any size or shape, the file fitting into corresponding shaped slots C of square guides or metallic plates, B, the one side of file being held firmly in the slot and adjusted by set-screws D passing through the top edge of one of the plates B, the other guide-plate B moving back or forward on the file by means of the adjusting screw E, so as to open the space between the guide-plates B of sufficient width to operate the file on any sized skate, the bottom of the skate being sharpened by the file, and the guide-plates B moving on each side of the runner of the skate, the plate in red lines showing how it is adjusted and operated by the adjustable screw E.

I am aware of a file being riveted and permanently fixed between side-plates for sharpening a skate, but these I do not claim; but what I claim as my invention, and desire to secure by Letters Patent, is—

The slotted guide-plate B, with the adjustable screws D and set-screw E, combined with an adjustable file of any required size or shape, when constructed, arranged, and operated as herein described and for the purposes set forth.

W. F. HELLEN.

Witnesses:

J. FRANKLIN REIGART,
JOHN S. HOLLINGSHEAD.