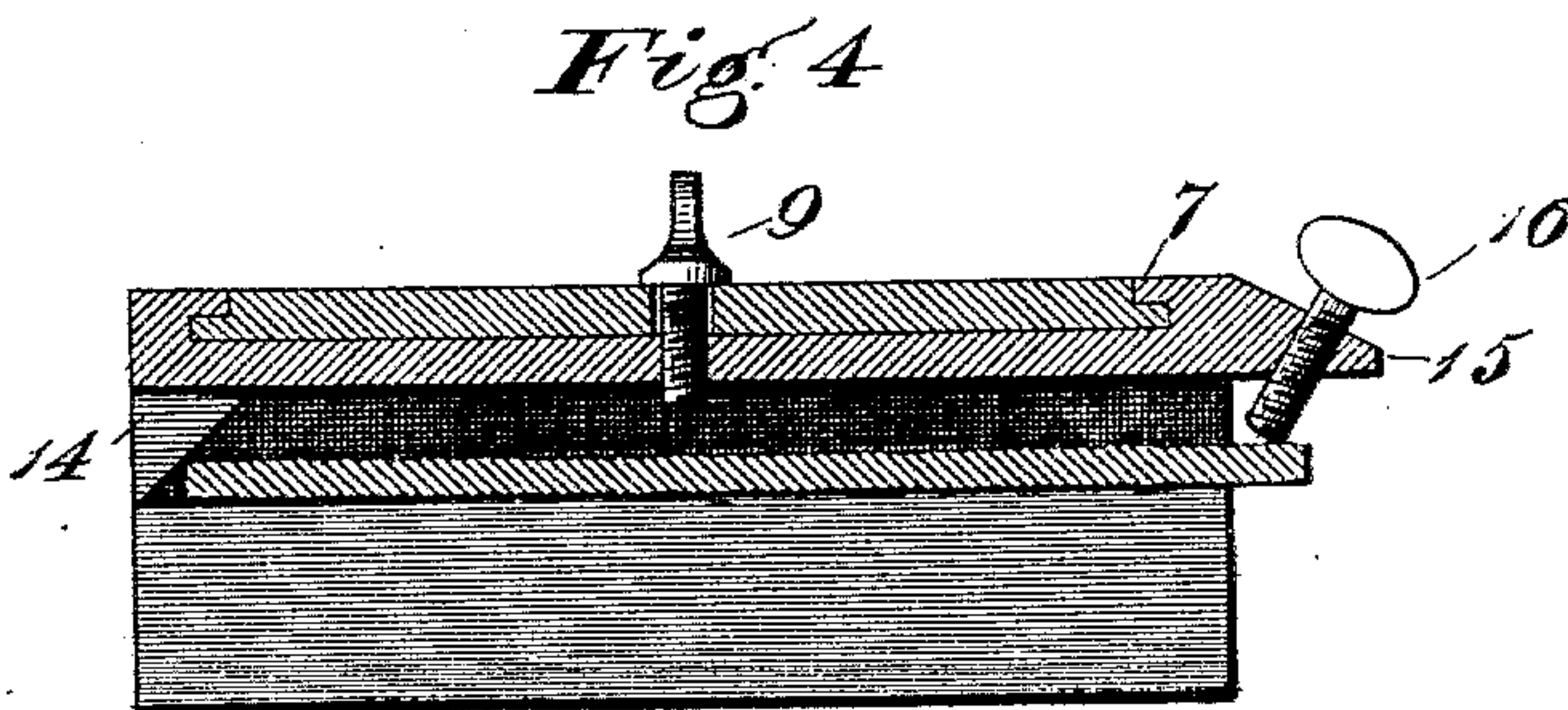
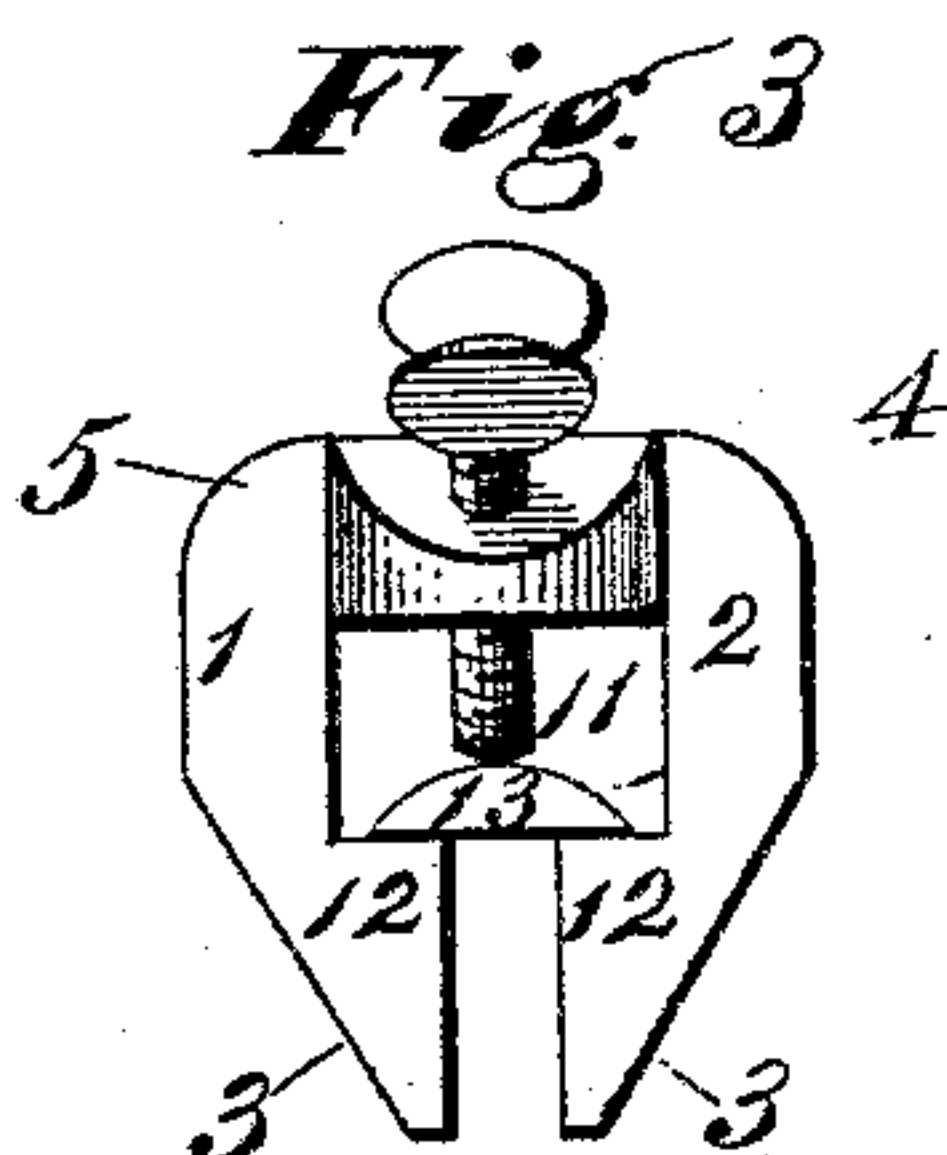
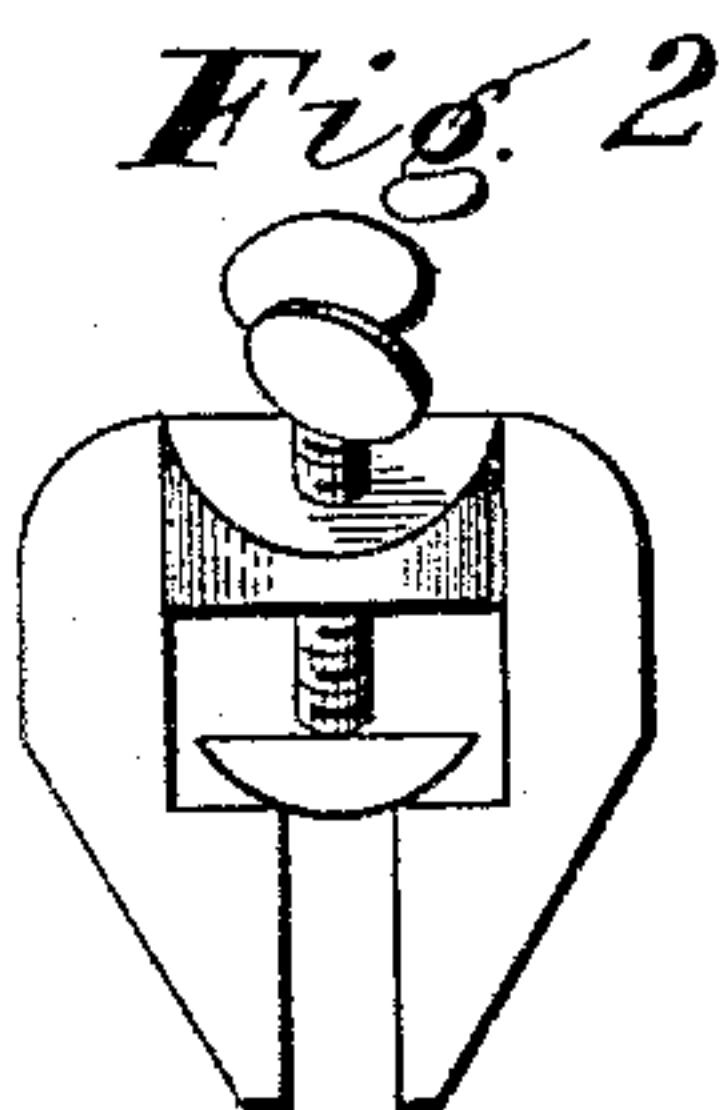
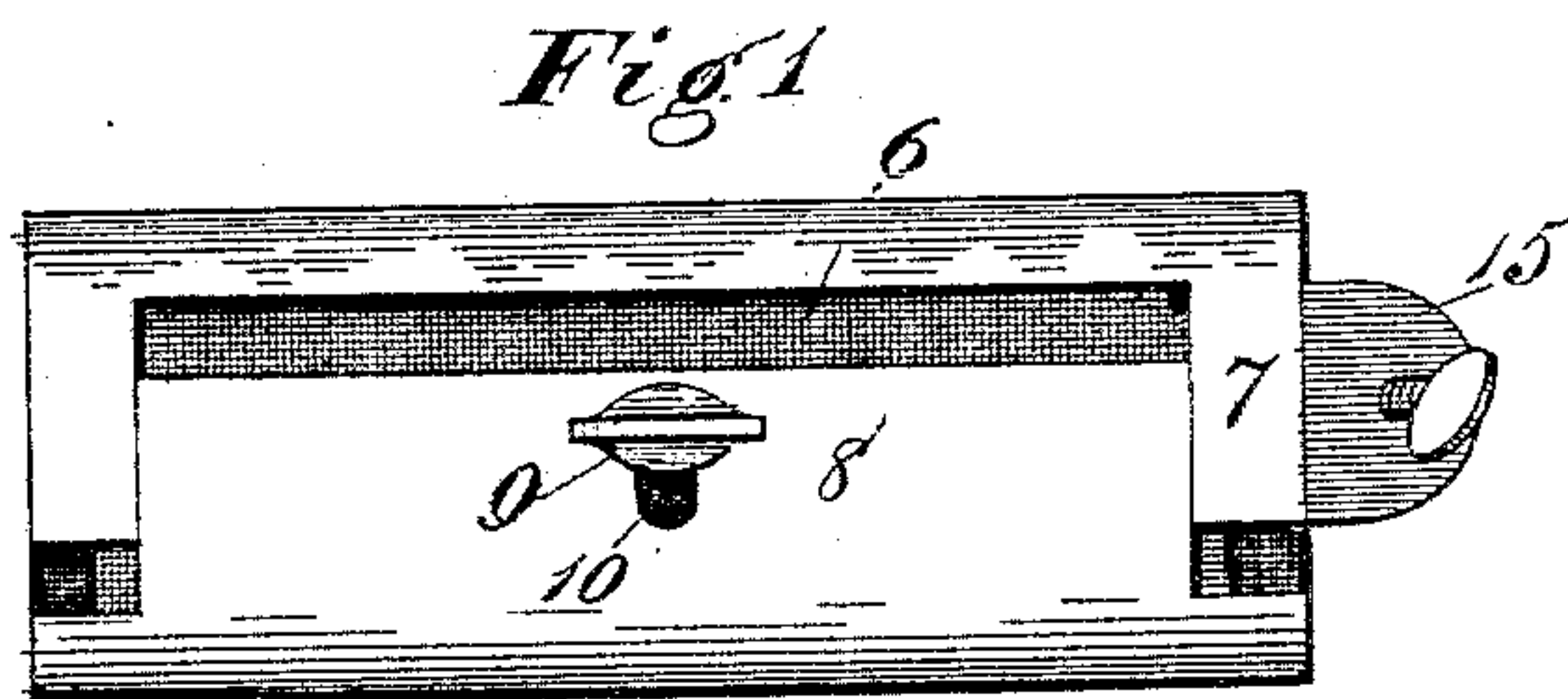


(No Model.)

H. W. B. GOWDY.
SKATE SHARPENER.

No. 597,163.

Patented Jan. 11, 1898.



Witnesses

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UNITED STATES PATENT OFFICE.

HERBERT W. B. GOWDY, OF UNION PIER, MICHIGAN.

SKATE-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 597,163, dated January 11, 1898.

Application filed April 1, 1897. Serial No. 630,315. (No model.)

To all whom it may concern:

Be it known that I, HERBERT W. B. GOWDY, a citizen of the United States, residing at Union Pier, in the county of Berrien and State of Michigan, have invented certain new and useful Improvements in Skate-Sharpeners; 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 appertains to skate-sharpeners, and relates more particularly to a device adapted for holding a section or piece of file, preferably having a flat and convex side.

My improved sharpener consists in the construction and combination of parts, as will be hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a top plan view of my invention complete, showing the members thereof adjusted in an extended position. Fig. 2 is an end elevation showing the file so adjusted as to present its convex face. Fig. 3 is a similar view showing the file adjusted to present its flat face. Fig. 4 is a central longitudinal section of Fig. 1.

For convenience of reference to the various details involved they will be indicated by figures, the same figure being applied to the same part throughout the several views.

Briefly stated, my invention may be said to consist in providing a holder which is laterally adjustable, enabling the jaws thereof to accommodate varying widths of runners, and also of certain accessories deemed necessary to hold the parts in their adjusted positions.

Referring to the drawings, 1 and 2 represent the holding members of my skate-sharpener. Said members consist of the jaws proper, 3, designed to lie upon either side of the skate-runner, receiving the same between them. The upper ends of said members terminate in the lateral bend or head 4 and 5, respectively, the head 4 being provided upon its upper surface with the recess 6, having the end guideways 7, while the head 5 is provided with the laterally-extending flange or body 8, designed to be received by the recess 6 and held therein by the guideways 7. (More clearly shown in Figs. 1 and 4.)

In order that the jaws may be held in an adjusted position with respect to each other, I provide the set-screw 9, which is seated in a threaded aperture provided in the recess 6 after first passing through the slotted opening 10, centrally formed in the flange 8. By this arrangement it will be readily apparent that the jaws may be separated or drawn together and held in the desired position by simply turning home said set-screw.

The holding members 1 and 2, it will be observed, are also provided upon their inner faces with the offset or open section 11, designed to provide a seat 12 for the file 13, and in order that said file may always be held in its seat in such position that the plane thereof will be parallel with the edge of the jaws I locate upon one end of each of the seats 12 the guide-block 14, preferably formed integrally with the jaws, the inner face of which is inclined upwardly and inwardly, as more clearly shown in Fig. 4. By this construction it will be readily apparent that said guide will always direct the end of the file downward, no matter what the thickness thereof may be, thus holding the same in position to receive the bottom edge of the skate-runner as it is placed between the jaws.

Upon the end of member 2 I locate the bracket or lip 15, preferably integrally formed with said member. Mounted in a suitably-threaded aperture in said bracket I locate the thumb-screw 16, designed to take entirely through said bracket and engage with the free end of the file, and as said screw is directed inwardly the action thereof will be to force the file inward and also lock it securely in position upon the seats 12, preventing any lateral or longitudinal movement.

It will of course be understood that the parts forming my improved skate-sharpener may be constructed of any preferred and suitable material, though it is thought that best results will follow when a low grade of cast metal is employed, rendering it possible to cheaply and expeditiously produce the device.

The operation of my improved skate-sharpener may be stated to be as follows: After the parts are assembled in their respective operative positions and a section of a file placed

upon the seats 12 the adjusting-screw 9 is loosened, when the jaws may be separated sufficiently to loosely receive between them the runner of the skate, when said screw is turned home in its seat, thus binding the parts firmly together. The thumb-screw 16 is then turned tightly against the end of the file, when the sharpener may be applied to the skate-runner by simply reciprocating the same thereon until the desired result is produced, enabling the device to be effectively used by any one, even though not skilled in the work.

It will of course be understood that if a face which shall be at right angles to the walls of the runner is desired the flat surface of the file will be exposed. If, however, it is desired that the bottom of the runner shall present a concave face, of course the convex side of the file will be presented.

It will be seen from the foregoing that I have produced a simple, cheap, and efficient skate-sharpener, and believing the construction and operation thereof will be fully apparent further reference is deemed unnecessary.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

30 1. A skate-sharpener consisting of adjustable jaws, one jaw having a groove in each end, and the other jaw fitting said groove, and means to fasten the jaws, as set forth.

35 2. A skate-sharpener consisting of adjustable jaws, one having a depressed portion on its top surface, and the other jaw sliding in

said depressed surface, and means to secure them together, as set forth.

3. A skate-sharpener consisting of adjustable jaws, one having a depressed top surface terminating in grooves, and the other jaw sliding in said depressed top, and having a tongue fitting said grooves, and means to hold said jaws in an adjusted position, as set forth.

4. A skate-sharpener consisting of adjustable jaws, having a tongue-and-groove joint, and means to hold the jaws in any desired position, as set forth.

5. A skate-sharpener consisting of adjustable tongue-and-grooved jaws having depending parallel extensions to receive the runner of a skate, and a file carried on the upper shoulders of the extensions, and means to hold the file in place, as set forth.

6. A skate-sharpener consisting of adjustable jaws, each jaw having a triangular guide-block at one end, and means to force a file against said block and hold it in place, as set forth.

7. A skate-sharpener consisting of adjustable jaws having a tongue-and-groove joint, one of the jaws having a longitudinal extension carrying a set-screw adapted to press against a file and hold it in place, as set forth.

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

HERBERT W. B. GOWDY.

Witnesses:

MAUDE L. EGGLESTON,
ALFRED WILLITS.