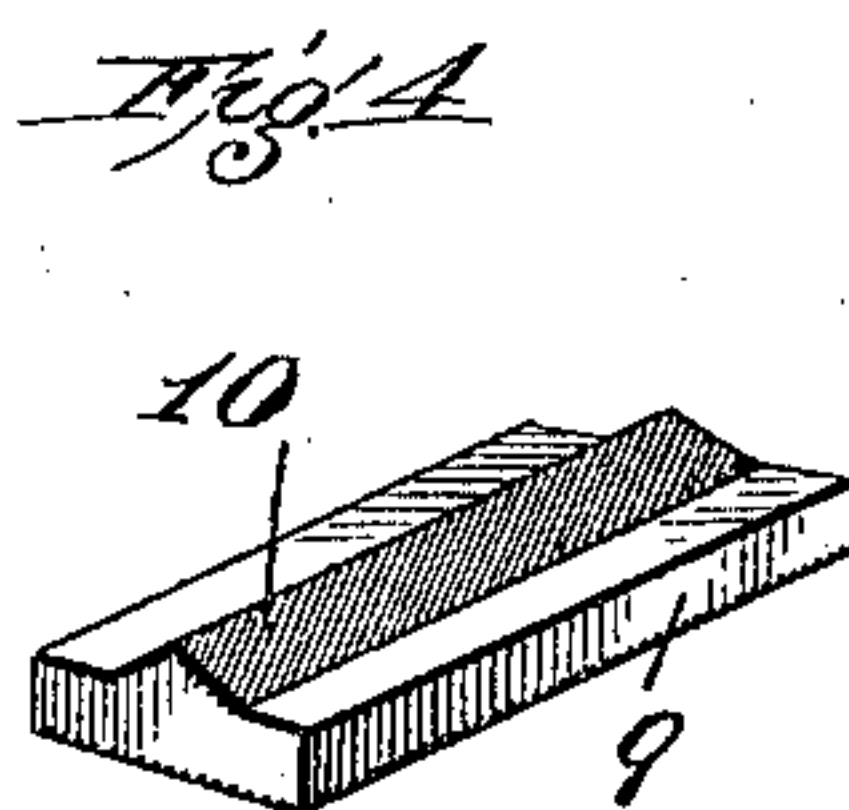
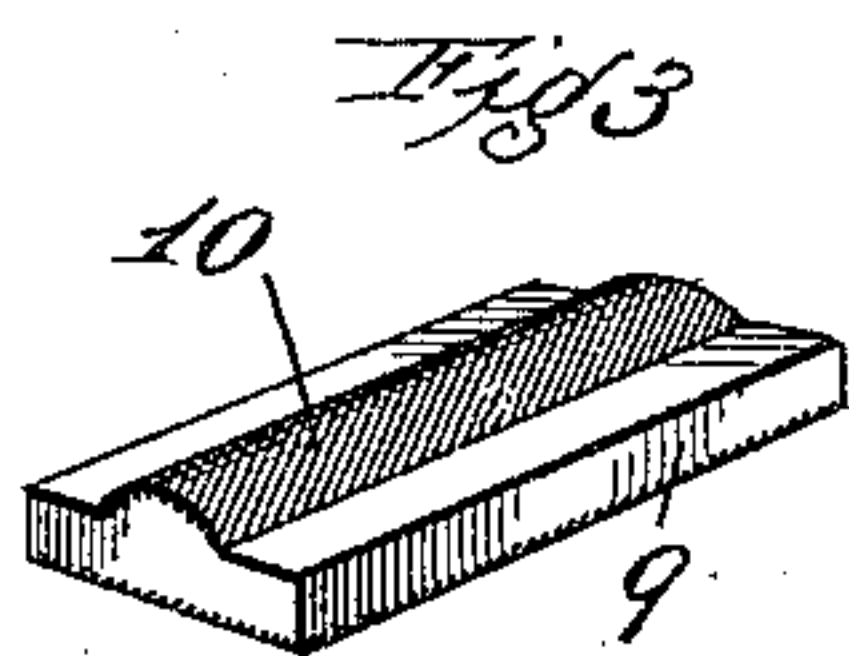
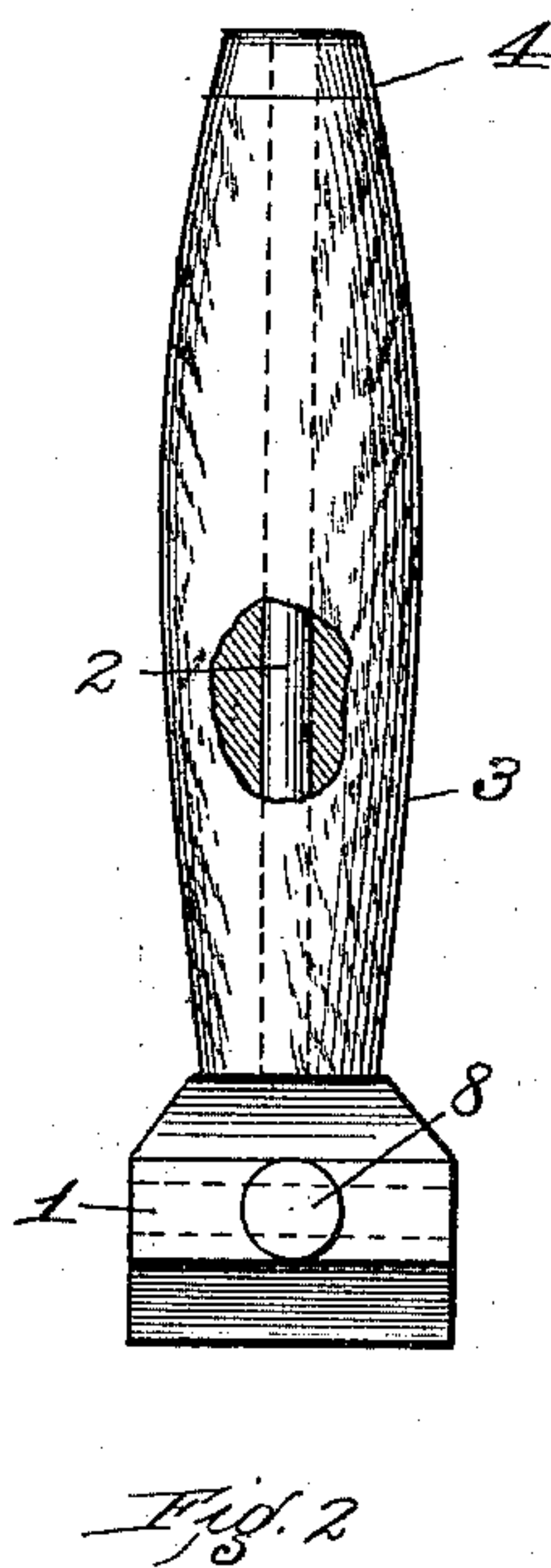
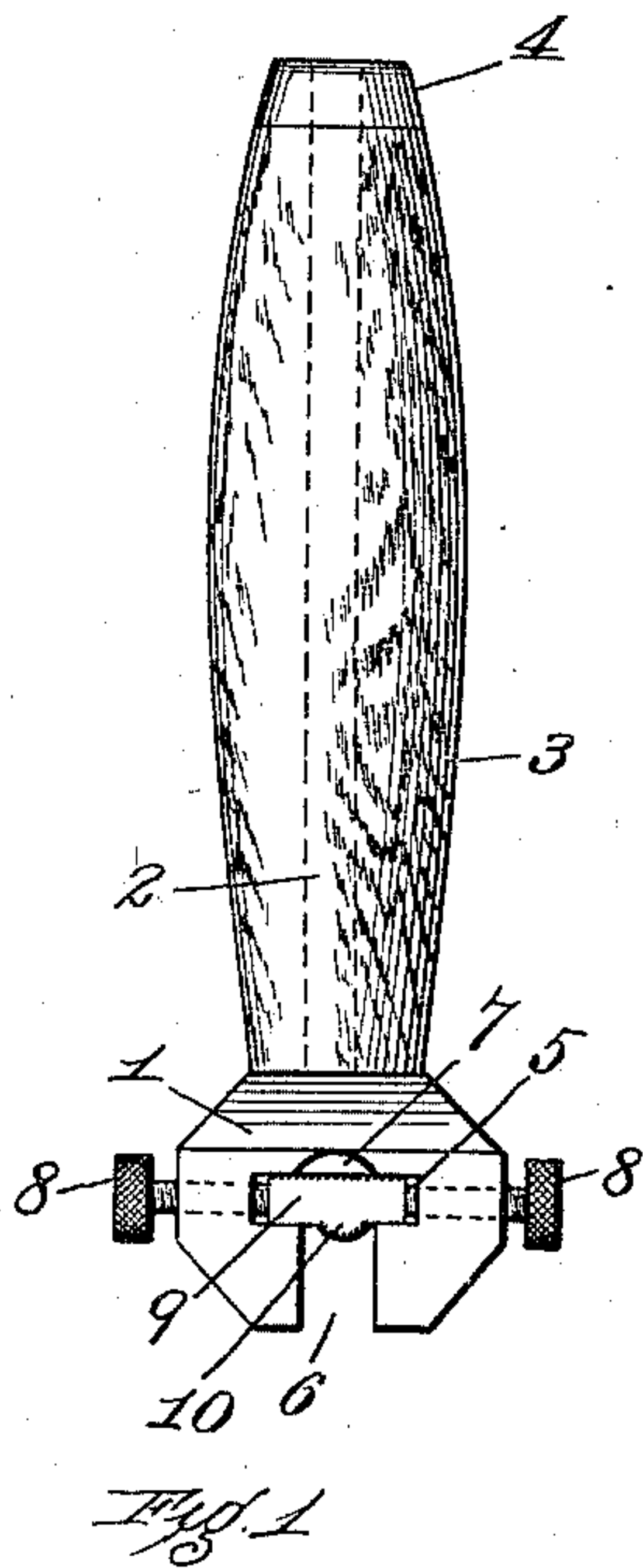


(No Model.)

S. F. MORRIS.
SKATE SHARPENER.

No. 544,992.

Patented Aug. 20, 1895.



Attest
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UNITED STATES PATENT OFFICE.

SAMUEL F. MORRIS, OF ST. LOUIS, MISSOURI.

SKATE-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 544,992, dated August 20, 1895.

Application filed May 21, 1896. Serial No. 560,147. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL F. MORRIS, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Skate-Sharpeners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improved skate-sharpener; and it consists in the novel construction, combination, and arrangement of parts hereinafter described and claimed.

In the drawings, Figure 1 is a front view of my improved skate-sharpener. Fig. 2 is a side elevation thereof. Fig. 3 is a view in perspective of one of the files of which I make use in carrying out my invention. Fig. 4 is a view in perspective of a second form of file made use of.

Referring by numerals to the accompanying drawings, 1 indicates an angular head constructed of any suitable material, with which is formed integral an upwardly-extending shank 2, upon which is located a suitable wooden or metallic handle 3. A nut 4 is located upon the upper end of said shank 2 and retains said handle 3 upon said shank.

Extending longitudinally through the head 1, and in the center thereof, is a rectangular aperture 5, and a vertical slot or passage 6 extends from this rectangular passage 5 to the lower face of the head 1. In the upper face of the rectangular passage 5 and extending longitudinally through the head 1 is a concave groove 7. Set-screws 8, having milled edges on the screw-head, extend through the side walls of the head 1 and into the rectangular passage 5.

9 indicates a rectangular block of such a thickness as that it will fit snugly within the rectangular passage 5, but said block 9 is not as wide as is said rectangular passage. Extending longitudinally along the center of one of the faces of this block 9 is a convex rib 10, the entire face or surface of which is formed identical with that of an ordinary file. In some instances this rib 10 is made slightly V-shaped in cross-section, this form being shown in Fig. 4, and said rib may be made in various other forms, as desired.

The faces of the blocks 9, opposite from the faces on which the ribs 10 are located, are also

made in the form of a file. The ribs 10 are slightly narrower in width than is the vertical passage or slot 6. When one of the blocks 9 is located in the rectangular passage 5 and the set-screws 8 are tightly engaged against the sides of said block, it will be very firmly held in the head 1 and in proper position for use. If it is desired to give the lower face of the skate-runner a flat surface, the block 9 is so positioned as that the rib 10 will be on top and located within the depression or groove 7. When the runner of the skate is located in the vertical slot or passage 6 and the entire device is drawn backward and forward over the runner of the skate, said runner can be very easily and quickly sharpened.

Whenever desired the blocks 9 may be so positioned as that the ribs 10 are on the under side and extend into the vertical slot or passage 6. When this is done and the device is properly manipulated, the lower face of the skate-runner may be concaved or grooved, which manner of sharpening is very often desired. As the ribs 10 are not as wide as is the vertical slot 6, the operator can by properly manipulating the set-screws 8 move the block 9, so as to cause the rib 10 thereon to be located nearer one side of the slot 6 than the other. This adjustment is intended for skates having blades narrower than is the vertical slot 6.

A skate-sharpener of my improved construction is very compact, simple in construction and manipulation, and is very durable and efficient.

I claim—

1. An improved skate sharpener, comprising a head having a rectangular slot or passage extending longitudinally through the center thereof, and having a vertically arranged slot or passage extending from the under side of said head to said rectangular passage, a shank formed integral with said head, a handle located upon said shank, set-screws extending through the sides of the head and into the rectangular passage, and a removable block provided with a longitudinally extending rib, said rib and block being formed with file faces.

2. In an improved skate sharpener, a head constructed with longitudinally extending rectangular passages or slots at right angles

to one another, one of which extends to the lower face of the head, said head being provided with a longitudinally extending concave groove in the top face of the horizontally
5 arranged slot or passage, a block provided with a longitudinally extending rib, said block and rib being file-faced and located within the longitudinally extending slot or passage through the head, and set-screws

passing through the sides of the head for holding and laterally adjusting the block.

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

SAMUEL F. MORRIS.

Witnesses:

EDWARD EVERETT LONGAN,
JOHN C. HIGDON.