

J. NOSS.
TOOL SHARPENER.

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948,429.

Patented Feb. 8, 1910.

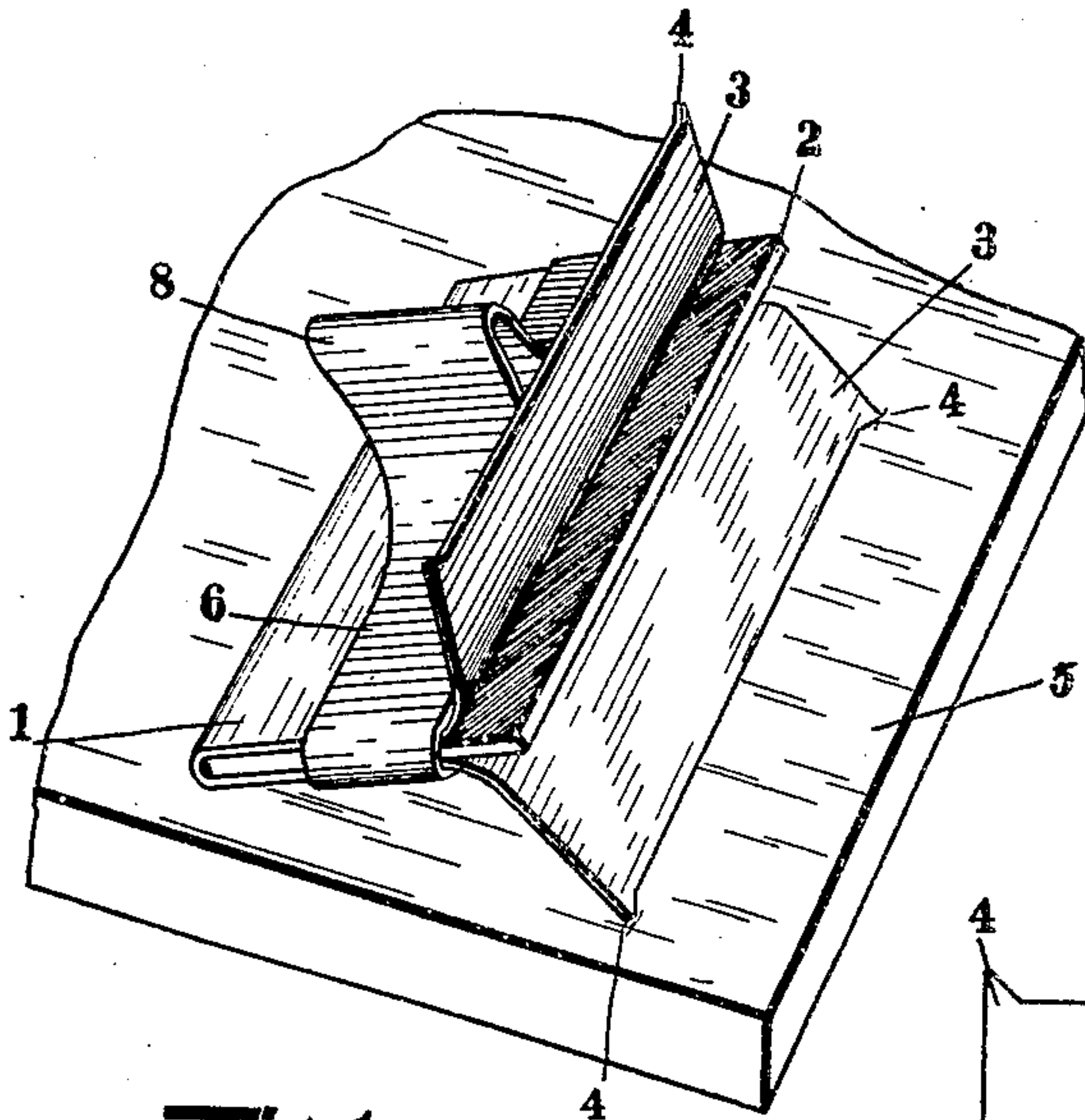


Fig. 1

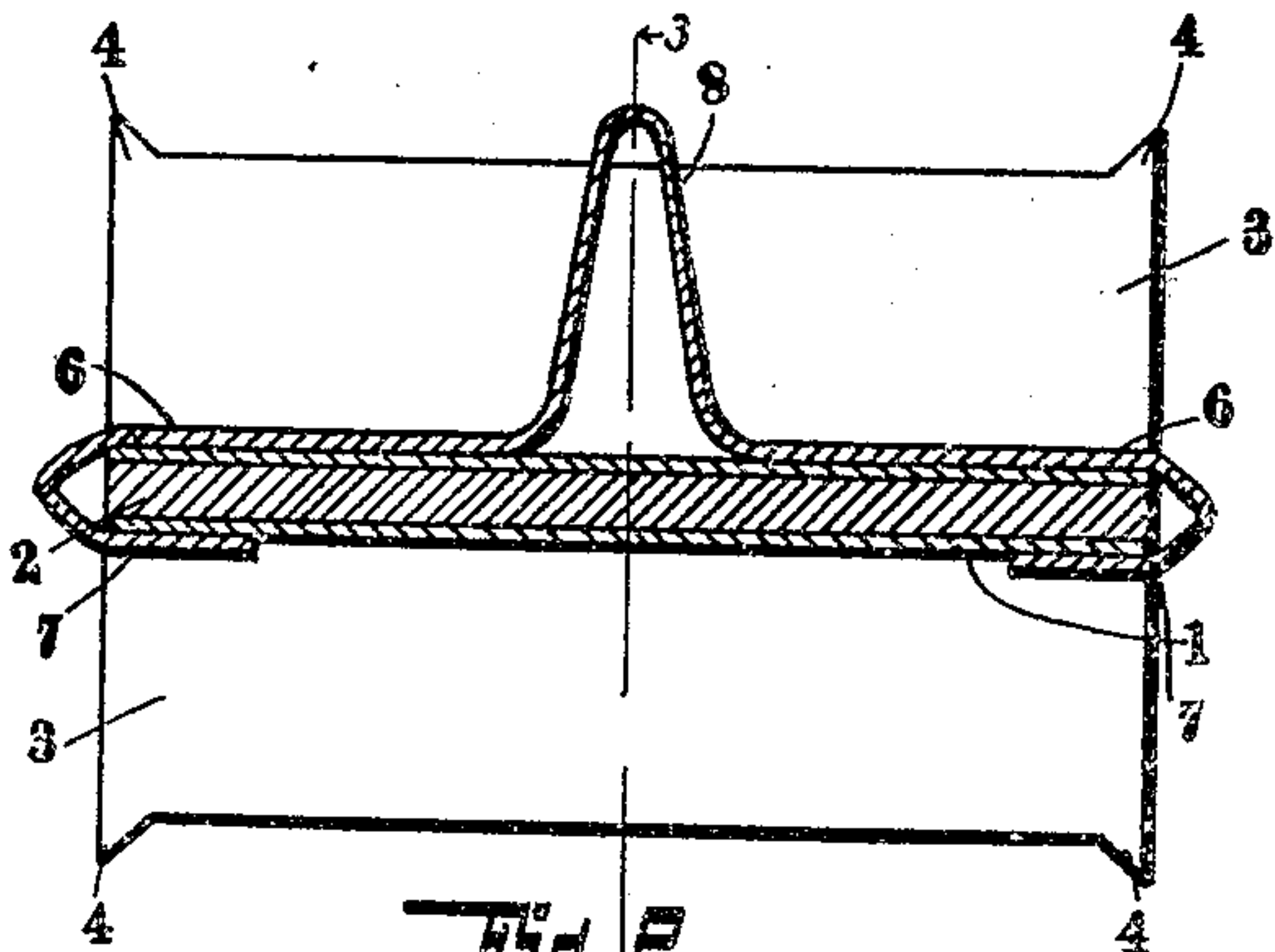


Fig. 2

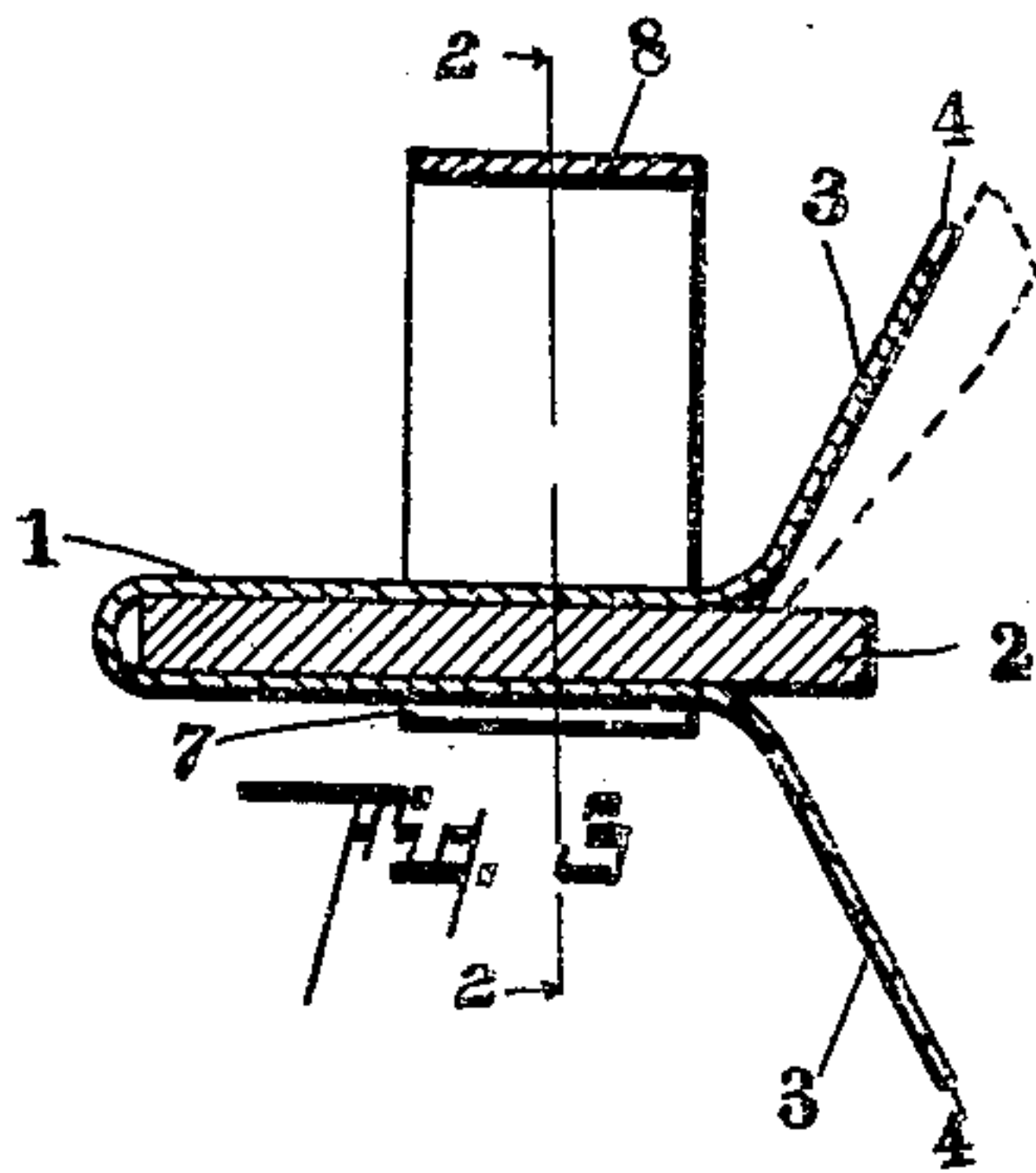


Fig. 3

Witnesses

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JOSEPH NOSS, OF THREE RIVERS, MICHIGAN.

TOOL-SHARPENER.

948,429.

Specification of Letters Patent.

Patented Feb. 8, 1910.

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To all whom it may concern:

Be it known that I, JOSEPH NOSS, a citizen of the United States, residing at Three Rivers, Michigan, have invented certain new and useful Improvements in Tool-Sharpener, of which the following is a specification.

This invention relates to improvements in tool sharpeners.

The main objects of this invention are:

10 First, to provide an improved tool sharpener which is portable, and, at the same time, may be very securely held in position for use without attaching to a support. Second, to provide an improved tool sharpener which is very simple and economical in structure and very effective.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

20 I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

25 A structure embodying the features of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

30 Figure 1 is a perspective view of my improved sharpener. Fig. 2 is a longitudinal section thereof taken through the clamping member. Fig. 3 is a vertical central transverse section.

35 In the drawing, similar reference numerals refer to similar parts throughout the several views.

Referring to the drawing, the holder 1 is preferably formed of a piece of sheet metal folded or bent into a loop between the sides of which the piece of abrading material 2 is arranged. The front edges of the sides are turned outwardly to form flange-like tool guides or rests 3. These rests are adapted also to serve as supports for the holder when in use, one rest serving as a support when the other is in position to serve as a guide or tool rest. The rests are provided on their edges with teeth 4 adapted to engage the table or other support 5 on which the holder is placed in use. The clamp 6 is formed of spring material provided with inturned ends 7, adapted to engage over the edges of the holder, as clearly appears from the drawing. The ends of the clamp member are preferably V-shaped so as they draw the edges of the clamp they force them together

upon the piece of abrading material. A loop 8 is formed in the clamp which not only provides a spring for drawing the clamp upon the edges of the holder, but also serves as a finger piece, and in grasping this finger piece when in use, extra tension is provided on the clamp, thus very effectively and securely clamping the abrading material in the holder.

65 In use, the finger piece 8 of the clamp is grasped, as stated, and pressure applied thereto which forces the teeth 4 into the support 5 on which the device rests, so that it is not likely to shift or twist thereon, which would be a very serious objection as it would change the position of the tool guide or rest 3 relative to the tool being sharpened, which is held against the rest, as is indicated by dotted lines in Fig. 3.

75 My improved sharpening device is especially designed by me for sharpening beveled edged tools, such as shears, although it is adapted for various other tools.

My improved sharpening device is very simple and economical in structure, and is, at the same time, very effective and convenient to use. It can be easily held without the necessity of attaching it to a fixed support.

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

1. In a sharpening device, the combination with the loop-like holder having yielding sides, said sides having inclined flange-like tool guides or rests at their forward edges, said rests being adapted to serve as supports for the holder, the outer edges of said rests having engaging teeth thereon; an abrading member arranged in said holder; and a clamp having inturned ends adapted to embrace the ends of said holder, and an offset loop adapted to serve as a finger piece.

2. In a sharpening device, the combination with the loop-like holder having yielding sides, said sides having inclined flange-like tool guides or rests at their forward edges, said rests being adapted to serve as supports for the holder, an abrading member arranged in said holder; and a clamp having inturned ends adapted to embrace the ends of said holder, and an offset loop adapted to serve as a finger piece.

110 3. In a sharpening device, the combination with the loop-like holder having yielding sides, said sides having inclined flange-

like tool guides or rests at their forward edges, said rests being adapted to serve as supports for the holder, the outer edges of said rests having teeth thereon, an abrading member arranged in said holder; and a clamp having inturned ends adapted to embrace the ends of said holder.

4. In a sharpening device, the combination with the loop-like holder having yielding sides, said sides having inclined, flange-like tool guides or rests at their forward edges, said rests being adapted to serve as supports for the holder; an abrading member arranged in said holder; and a clamp having inturned ends adapted to embrace the ends of said holder.

5. In a sharpening device, the combination with the holder formed of a piece of sheet metal folded into a loop with its ends turned outwardly into inclined, flange-like tool guides or rests, said rests being adapted to serve as supports for the holder; an abrading member arranged in said holder; and a clamp having inturned ends adapted to embrace the ends of said holder.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

JOSEPH NOSS. [L. s.]

Witnesses:

B. E. ANDREWS,
E. H. ANDREWS.