O. A. CHRISTOPHERSON.

SHARPENING DEVICE.

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1,100,418. Patented June 16, 1914.

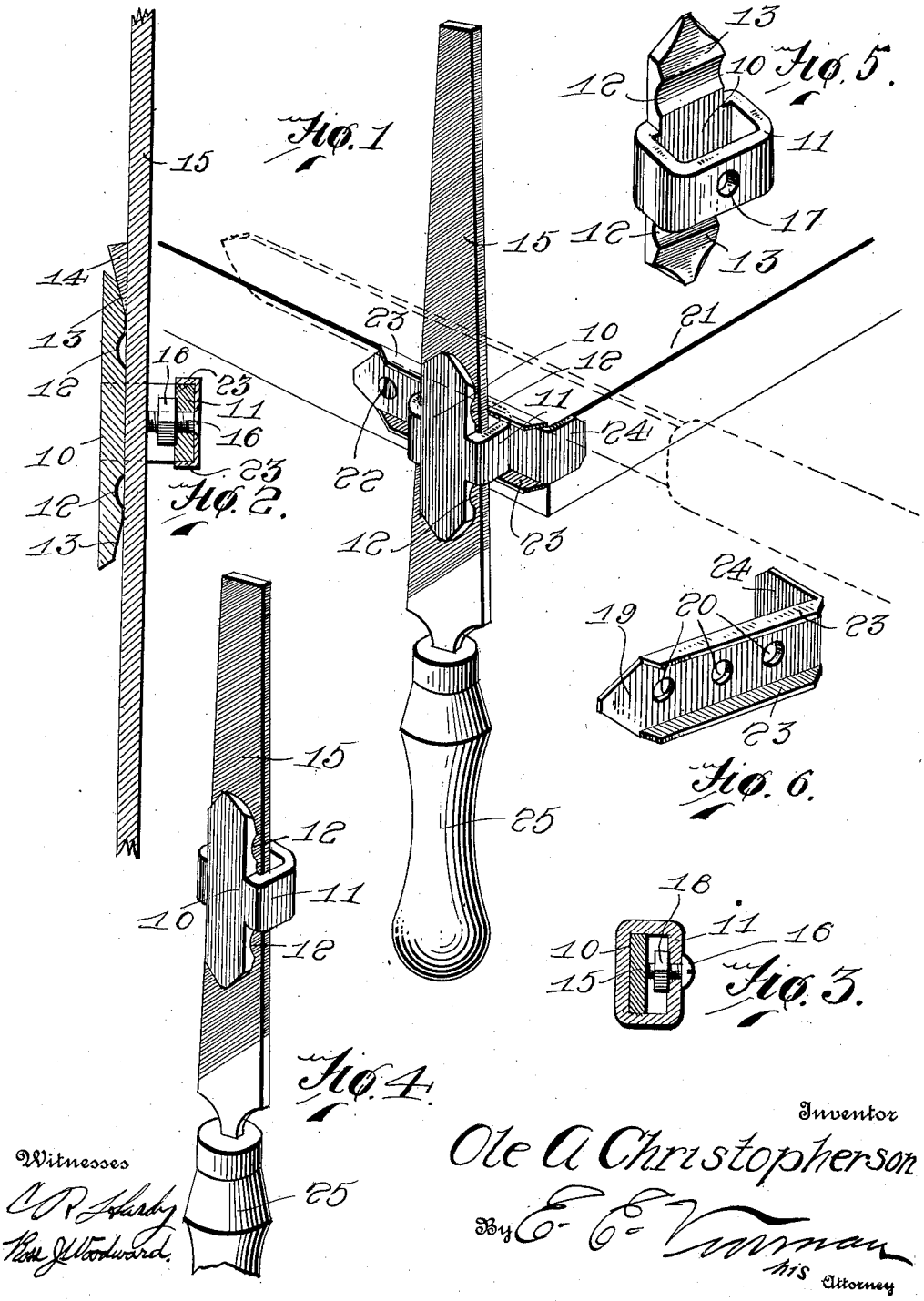


Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

Fig. 6.

Witnesses

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SHARPENING DEVICE.

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To all whom it may concern:

Be it known that I, OLE A. CHRISTOPHERSON, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Sharpening Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a knife sharpener and the principal object of the invention is to provide a sharpener in which there is provided an improved type of guide for holding a knife blade in the proper position for sharpening.

Another object of the invention is to so construct the guide that the knife filings will not be held between the guide and the file where they will clog the sharpener and prevent the blade from being sharpened.

Another object of the invention is to provide the guide with an improved means for holding the guide in the proper position and for connecting the guide with a support.

With these and other objects in view this invention consists of certain novel combinations, constructions and arrangements of parts as will be hereinafter fully described and claimed.

This invention is illustrated in the accompanying drawing, wherein:

Figure 1 is a perspective view showing the sharpener connected with a supporting shelf. Fig. 2 is a vertical sectional view through the sharpener. Fig. 3 is a transverse sectional view through the sharpener. Fig. 4 is a perspective view of the sharpener removed from said supporting shelf. Fig. 5 is a perspective view of the guide. Fig. 6 is a perspective view of the attaching bracket.

The guide comprises a body portion 10 which is provided with a collar 11 and which is provided with transversely extending grooves 12 positioned above and below the collar 11 and forming pockets to receive the filings when the blade is being sharpened. The end portions of the body portion 10 are beveled as shown at 13 so that the knife blade 14 will be held at the proper angle to permit the edge of the knife to be sharpened. A file 15 passes through the collar 11 and is adjustably held in engagement with the body portion 10 by means of a bolt 16. This bolt 16 passes through an opening 17 in the collar and is then threaded through a nut 18 so that the bolt will be held tightly in place and will be prevented from working loose and prevent the file from slipping out of the desired position.

A bracket 19 is provided with openings 20 and is secured to the supporting shelf 21 by means of a screw 22 passing through one of the openings 20. The bolt 16 passes through one of the openings 20 and the collar will thus be secured to the bracket and will extend longitudinally between the upper and lower flanges 23 as shown in Fig. 2. It is intended that the collar shall fit tightly between the upper and lower flanges so that the guide will be prevented from moving out of the desired position. One end portion 24 of the bracket is bent so that it will extend at right-angles to the major portion, thus permitting the bracket to be secured near the corner of the shelf with the bent end portion extending around the corner to hold the bracket in place and prevent the bracket from moving.

When using this device, the bracket with the guide attached is secured to the shelf as shown in Fig. 1 with the file extending through the collar and held in close engagement with the body portion 10 as shown in Fig. 2. The knife blade is drawn through the space between the file and the beveled face 13 and the teeth of the file will cut the knife blade, thus causing the knife blade to be sharpened. When the knife blade is cut by the file, the filings work down into the pocket 12 and will then drop out through the end of the pocket to the floor.

If it is desired to use this sharpener without having the same attached to the shelf, the bracket can be removed and the guide then replaced as shown in Fig. 4. The device is then used by holding the file by the handle 25 and drawing the knife blade between the file and guide in the same manner as described in the operation of the form shown in Fig. 1.

What is claimed, is:

1. A sharpening device comprising a guide, said guide comprising a body portion having its end portions cut to form guiding faces and provided with transversely extending grooves, a collar, a cutting element passing through said collar and adjustably secured therein, and a securing bracket carried by said collar and provided with up-

per and lower flanges between which said collar fits to prevent said guide from turning upon said bracket.

2. A sharpener of the character described comprising a guide including a collar provided with an opening, a bracket comprising an elongated strip provided with a plurality of openings and having one end portion bent at an angle to its major portion, a cutting element passing through said collar, securing means passing through one of the openings of said bracket and through the opening in said collar to secure said collar to said bracket, said securing means engaging said cutting element to hold the same in an adjusted position in said collar, and flanges extending from said strip above and below said collar whereby when said securing means is tightened said collar will fit between said flanges and prevent it from turning in said bracket.

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

OLE A. CHRISTOPHERSON.

Witnesses:
E. P. WHITNEY,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."