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SHARPENER FOR SHEARS AND SCISSORS BLADES

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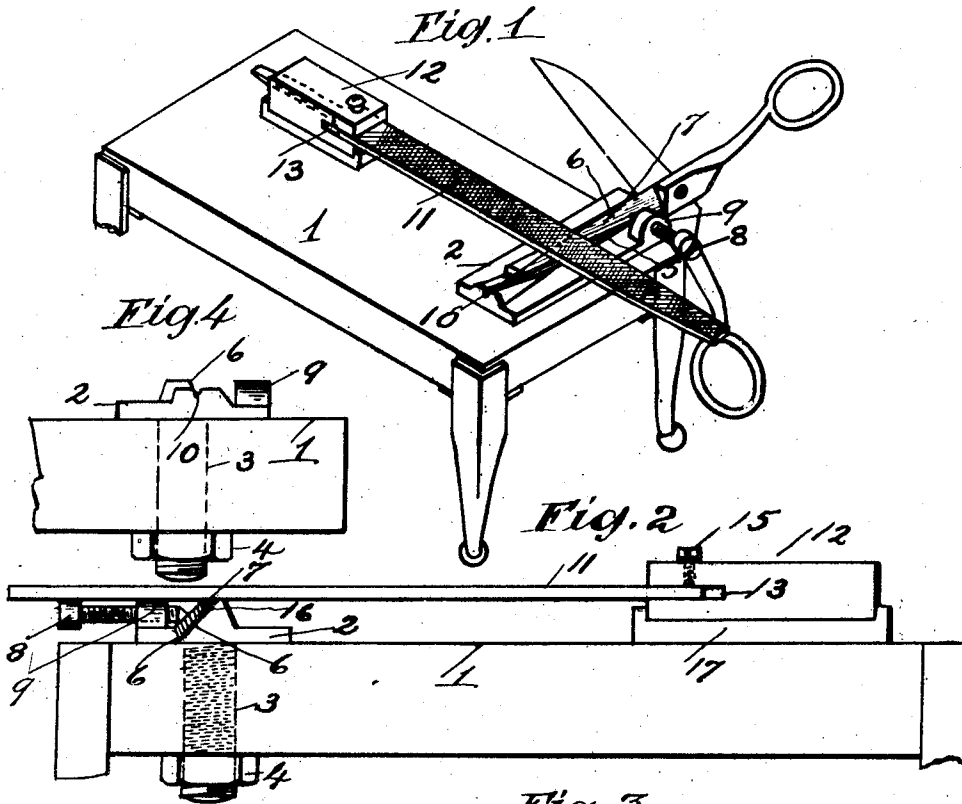
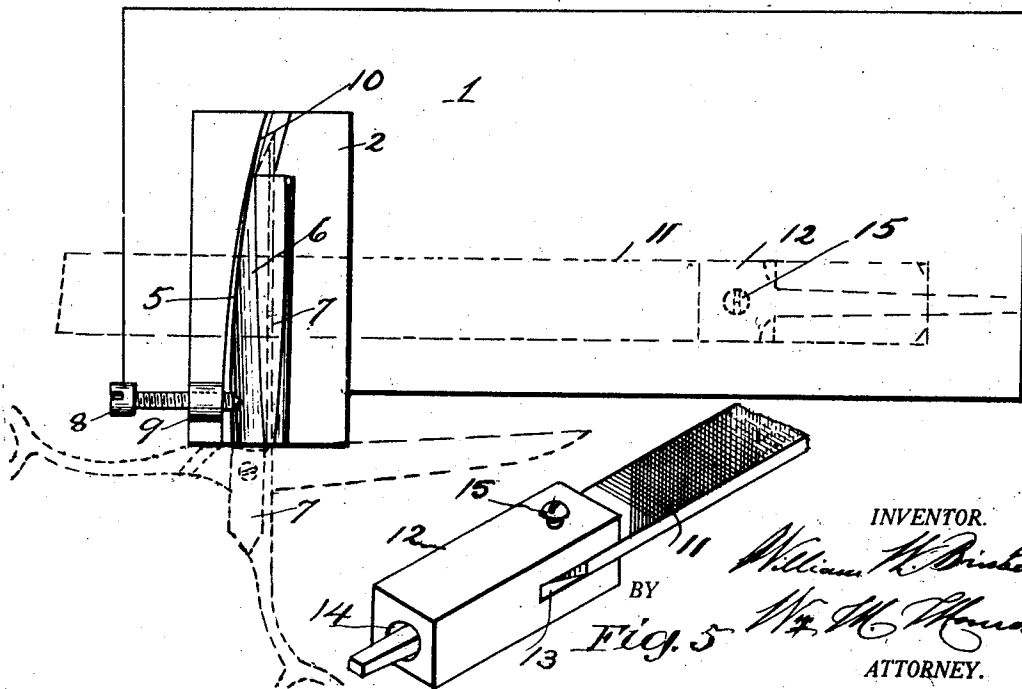


Fig. 3



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SHARPENER FOR SHEARS AND SCISSORS BLADES

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The objects of the invention are to provide a practical and efficient tool for sharpening shears and scissors in barber or other shops where shears are in constant use and where much time could be saved if they could be sharpened on the spot without sending them away for this purpose.

With this device a suitable abrading instrument is employed such as a file or bar of carborundum to sharpen the blades and a rigid rest block is provided in which the shears or scissors are secured by suitable clamping means in such a manner that the edge of the blade is presented at precisely the right angle for sharpening to the abrading instrument. Also the abrading instrument is mounted in a block which is slidably movable by hand upon a suitable base or table towards and from the work, while it is rigidly held in the aforesaid rest block.

Further the rest block is rotatable in said base or table, to enable the workman to adjust the angle of cutting to the character of the cutting edge required.

The invention also provides a rest block having a groove therein, in which the back of the blade is received, and having an inclined side for the reception of the inner fall of the blade thus presenting the cutting edge of the blade at the required angle to the abrading tool.

The bottom of this groove should also conform substantially with the curvature of the back of the blade.

The invention is hereinafter more fully described, illustrated in the accompanying drawings and specifically pointed out in the claim.

In the accompanying drawings Fig. 1 is a perspective of the device;

Fig. 2 is a side elevation thereof;

Fig. 3 is a plan thereof;

Fig. 4 is an elevation of the side opposite that shown in Fig. 2, and

Fig. 5 is a perspective of the sliding block or tool holder.

In these views, 1 is a table or flat topped base, upon which the metallic rest block 2 is horizontally rotatable and is secured by means of the vertical pin 3 and nut 4.

In this block is formed the longitudinal groove 5 having an inclined side 6, upon which the inner face of the blade 7 of the scissors or shears lies and a set screw 8 adjustable in the adjacent lug 9 secures the blade rigidly in place. This set screw is provided with a bevelled outer extremity which presses against the inclined upper face of the blade and serves to force the inclined side 6 of the rest block 2 as shown in Fig. 2.

The outer extremity of the groove is preferably curved upward at 10 to conform to the shape of the back of the blade and give a firm support thereto.

The angle of inclination of the inclined wall of the groove should be such that when a flat abrasive tool is passed horizontally over the exposed upper edge of the blade the required bend will be produced thereon.

The abrasive tool 11 may be a file or flat strip or bar composed of carborundum or other abrasive material and is secured in a holding or block 12 slidably movable towards and from said rest block and blade.

The file or other abrasive implement is preferably inserted in a horizontal groove 13 in said block and the tang of the file extends through the rear opening 14 therein.

A set screw 15 serves to secure the tool in place.

By revolving the rest block upon the pivot pin the blade may be presented at any angle desired to the abrasive tool.

The degree of inclination of the side of the groove may be adjusted by the insertion of a thin shim plate 16 underneath the blade if desired.

Also a block 17 of any desired thickness may be placed underneath the tool holder to raise the blade to any elevation desired. To file a straight and flat bevel upon the edge of the blade the hollow of the hand rests upon the file holder, with the forefinger resting on the file, the file holder is pressed down on the table and the file is pushed across the work.

Having described the invention what I

claim as new and desire to secure by Letters Patent is—

In a sharpening device for the blades of shears or scissors, a blade holder comprising  
5 a horizontal plate having a lug at one end and a longitudinal groove therein, said groove having inclined sides against which the inner side and back edge of said blade rests, the side against which the back edge  
10 of said blade rests being curved upwardly at its outer end to conform to the shape of the back edge of the outer end of said blade and to provide a complementary support for said outer end, and a pointed set screw in  
15 said lug to engage the outer side of said blade.

In testimony whereof I affix my signature.

WILLIAM W. BRISBEN.

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