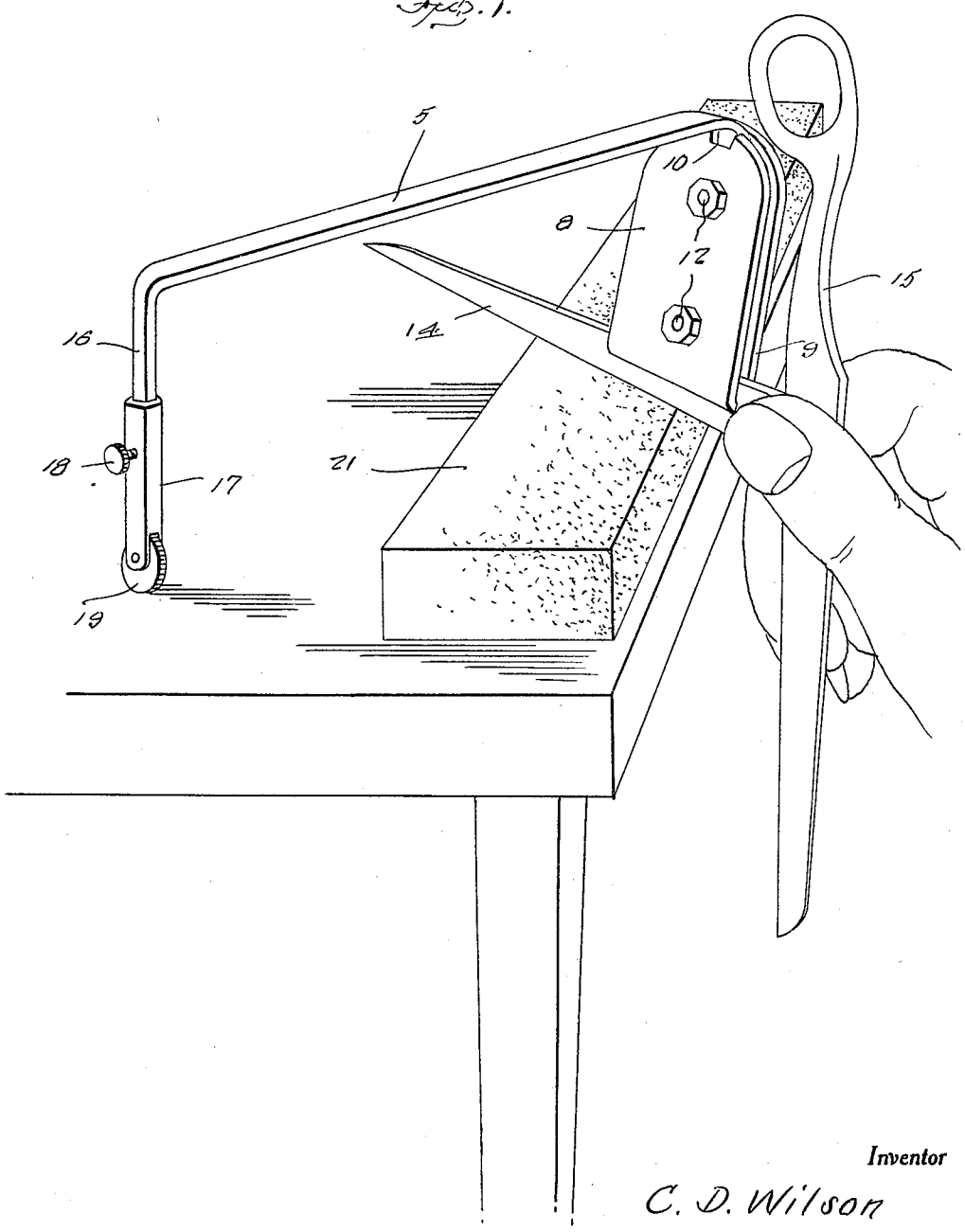
May 2, 1933. C. D. WILSON 1,907,275

SHARPENING DEVICE FOR SCISSORS

Filed Jan. 12, 1932 2 Sheets-Sheet 1

Fig. 1.



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SHARPENING DEVICE FOR SCISSORS

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Fig. 2.

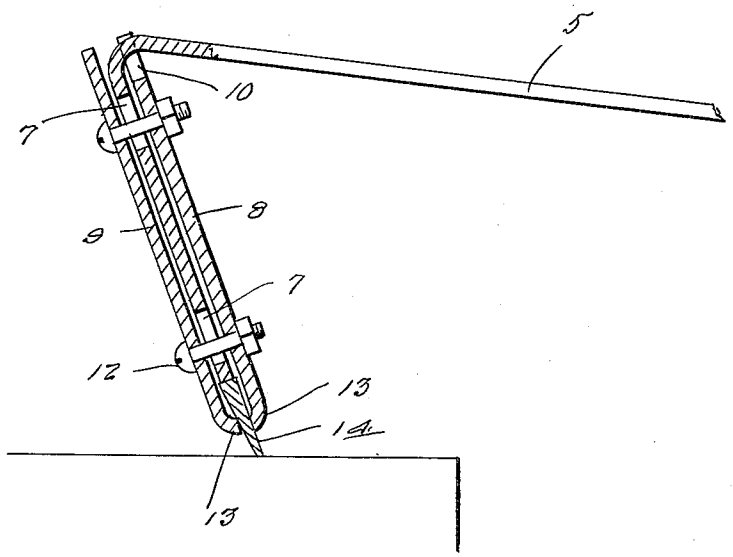


Fig. 3.

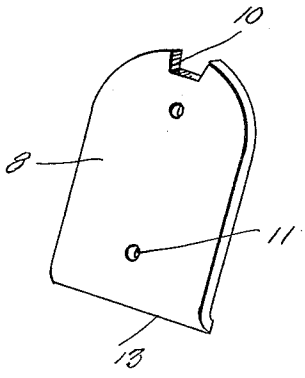


Fig. 4.

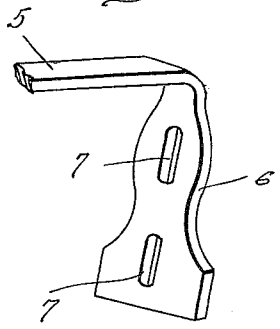
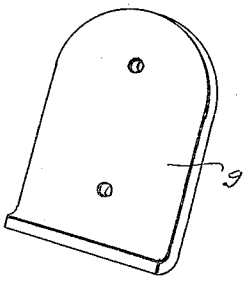


Fig. 5.



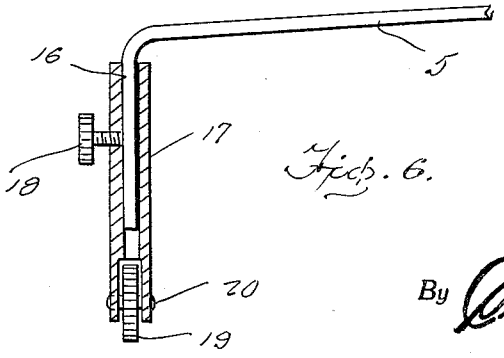


Fig. 6.

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1,907,275

UNITED STATES PATENT OFFICE

CHARLES D. WILSON, OF PUYALLUP, WASHINGTON

SHARPENING DEVICE FOR SCISSORS

Application filed January 12, 1932. Serial No. 586,173.

This invention relates to sharpening devices, and in accordance with the present invention means is provided especially adapted for sharpening the blades of scissors.

In accordance with the present invention the blades of the scissors may be moved over an abrasive surface with the blade secured at the desired angle to the perpendicular in order to secure the attaining of a proper bevel at the cutting edge.

Briefly the invention consists broadly in the provision of a clamp provided with means for engaging the blade of the scissors, together with additional means serving to support the clamp and at the same time permit the necessary manipulation of the blade to attain a sharpened edge for the blade.

The invention together with its numerous objects and advantages will be definitely understood from the following description, taken in connection with the accompanying drawings, wherein:—

Figure 1 is a perspective view of the device, illustrative of an application thereof.

Figure 2 is a fragmentary sectional elevational view of the device.

Figure 3 is a perspective view of one of the clamping plates.

Figure 4 is a perspective view of the edge end of the clamp.

Figure 5 is a perspective view of a second one of the clamping plates.

Figure 6 is a fragmentary sectional elevational view through the roller supported end of the clamp.

With reference more in detail to the drawings, it will be seen that the clamp comprises a bar 5 provided at one end with a plate-like head 6 connected with the bar 5 in any suitable manner, and separably, and as shown, integral with the bar. The head or plate 6 is disposed at an acute angle to the bar 5 and is provided with vertically spaced slots 7 elongated longitudinally.

The head or plate 6 is adapted to be received between a pair of clamping plates 8 and 9 the inner plate 8 being provided at its upper edge with a notch 10 for accommodating the proximate end of the bar 5. Each of the plates 8, 9 is provided with a pair of vertically spaced apertures 11 for accommodating clamping bolts 12 passing through the slots 7 whereby the head 6 and plates 8 and 9 may be secured in assembled relation with the curved ends 13 of the plates laterally engaging the blade 14 of a scissor designated generally by the reference character 15.

At its free end the bar 5 has its terminal 16 disposed at right angles to the bar, and the bar and more particularly the end 16 thereof is non-circular in cross section. Adjustable on the end 16 of the bar is a sleeve 17 non-circular in cross section, and the sleeve is secured at the desired adjustment through the medium of a set screw 18 the end of which has bearing engagement with the end 16 of the bar. At its lower end the sleeve 17 is notched to provide depending terminals between which is mounted a roller 19 on a pin 20.

Obviously by adjusting the sleeve 17 relatively to bar end 16, the angle of the head plate 16 relative to the perpendicular, and consequently the angle of the plate 14 on the perpendicular may be varied at will.

In using the device for sharpening scissors, I provide an abrasive stone 21 and rest the same on a table or other suitable support adjacent the edge thereof as suggested in Figure 1. One blade 14 of the scissors is placed between the plates 8 and 9 at the curved end 13 of the plate, and the plates are then adjusted as required longitudinally of the head 16 and subsequently secured at the desired adjustment with the blade 14 clamped therebetween by placing the studs engaged with the bolts 12. The sleeve 17 is then adjusted longitudinally relative to the bar end 16 to position the head 6 at the desired angular adjustment, after which the cutting edge of the blade is moved over the upper surface of the stone 21 with the roller 19 moving over the top surface of the table. Thus it will be seen that the clamp provides a means for securing the blade 14 at the desired angle, relieving the hand of this function, and leaving the hand free to manipulate the blade of the scissors.

Obviously, by adjusting the plates 8 and 9 relative to the head 6 various size blades

may be accommodated, while the bolt and nut means 12 also provide means whereby the plates 8 and 9 may be adjusted laterally relative to the head 6 for accommodating blades of varying width or thickness.

Even though I have herein shown and described the preferred embodiment of my invention, it is to be understood that I do not wish to limit myself to the specific details of construction, combination and arrangement of parts as herein shown and described, but claim all forms of the invention to which I am entitled, intending in nowise to restrict the invention beyond the requirements of the prior art and the scope of the appended claims.

Having thus described my invention, what I claim as new is:—

1. A sharpener for scissors, comprising a bar, a flat plate-like head integral with the bar and extending at an acute angle thereto, and being also provided with longitudinally spaced slots, a pair of clamping plates receiving said head therebetween, bolt and nut means engaging said plates and extending through the slots in the head for securing said plates at the desired adjustments on said head, said plates at one end having inturned edge portions for clamping therebetween a blade of the scissors with the thickened edge of the scissors blade abutting the proximate edge of said head.

2. A sharpener for scissors comprising in combination a bar having at one end a portion extending at right angles to the body of the bar, and being provided at a relatively opposite end with a broad flat plate-like head extending at an acute angle to the bar, a sleeve slidably engaging the first named portion of the bar, a roller on one end of said sleeve, screw means carried by the sleeve and engageable with said end portion of the bar for securing the sleeve at the desired adjustment thereon, a pair of clamping plates receiving said head therebetween, and having end portions adapted to clamp therebetween the blade of a scissors with the thickened edge of the scissors blade in engagement with the proximate end edge of said head, and interengaging means on said clamping plates and said head for securing said clamping plates at the desired adjustments on said head, said clamping plates at one end thereof having inturned edges for laterally contacting the scissors blade.

In testimony whereof I affix my signature.

CHARLES D. WILSON.