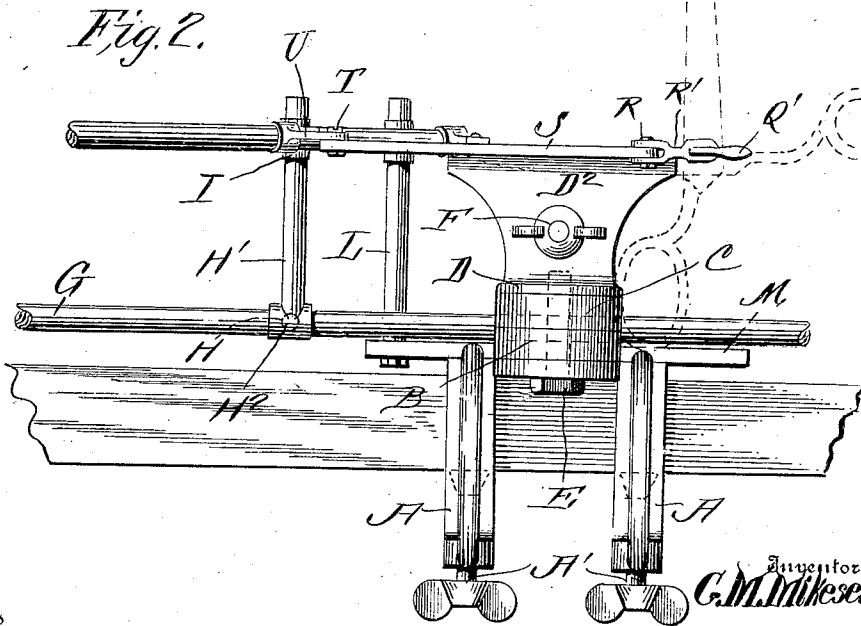
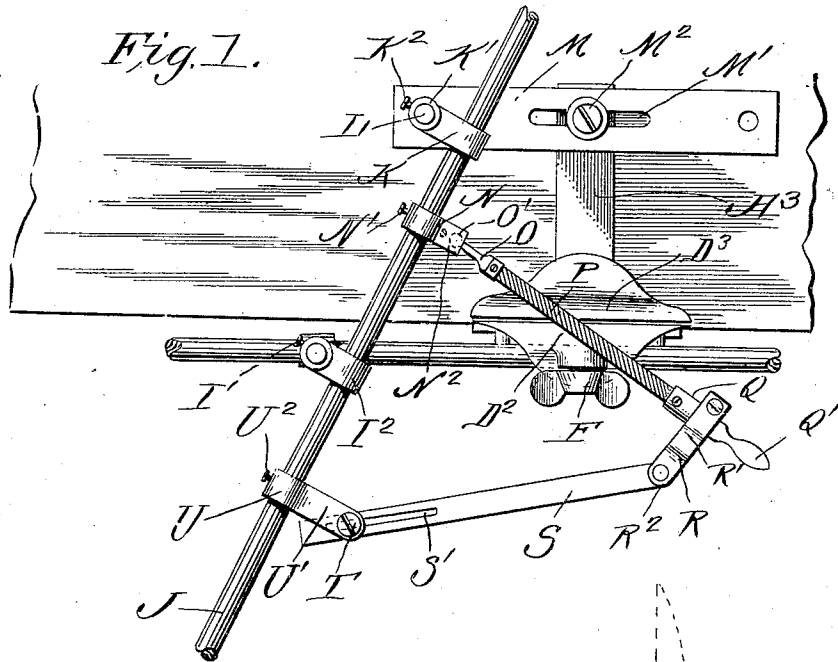


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 DEVICE FOR SERRATING SCISSORS.
 APPLICATION FILED AUG. 7, 1908.

966,036.

Patented Aug. 2, 1910.

2 SHEETS—SHEET 1.



Witnesses

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Fig. 3

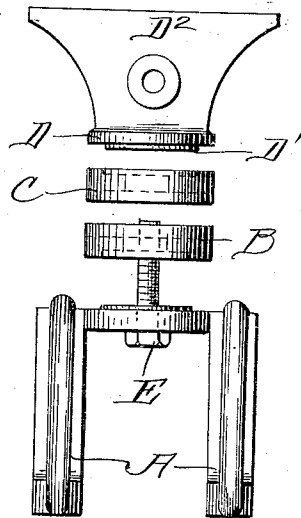


Fig. 4.

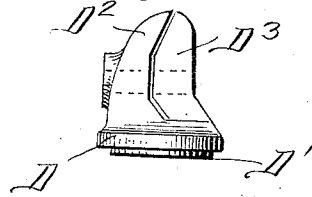


Fig. 5

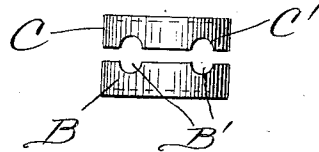


Fig. 6.

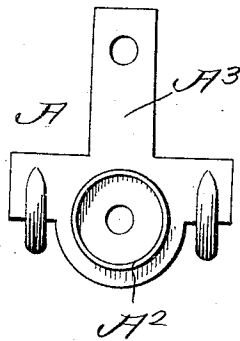
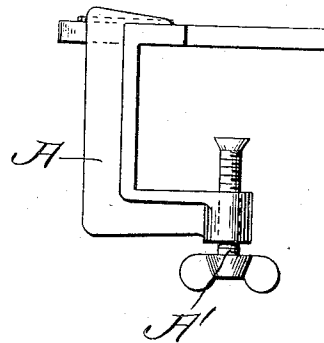


Fig. 7.



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UNITED STATES PATENT OFFICE.

GEORGE M. MIKESELL, OF BUFFALO, NEW YORK.

DEVICE FOR SERRATING SCISSORS.

966,036.

Specification of Letters Patent.

Patented Aug. 2, 1910.

Application filed August 7, 1908. Serial No. 447,442.

To all whom it may concern:

Be it known that I, GEORGE M. MIKESELL, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Device for Serrating Scissors, of which the following is a specification.

This invention relates to a scissors' corrugating device, the object being to provide a device by means of which the bevel cutting edge of a pair of scissors can be easily and quickly serrated so as to sharpen the scissors.

Another object of my invention is to provide novel means for holding and adjusting the file so as to give the serration on the edge of the scissors the angle desired.

Another object of my invention is to provide a device which is so constructed that the bevel cutting edge of a pair of scissors will be held in a horizontal position so that the file when drawn over same will make even serrations.

A still further object of my invention is to provide a device in which the file is so held that it can be quickly adjusted to suit any size scissors and to give the proper serration on the bevel edge.

With these objects in view the invention consists in the novel features of construction, combination and arrangement of parts, hereinafter fully described and pointed out in the claims.

Figure 1 is a top plan view of my improved device. Fig. 2 is a side elevation of my improved device showing a pair of scissors in dotted lines in position to be serrated. Fig. 3 is a side elevation of the vise and clamp the parts being in position to be assembled. Fig. 4 is a side elevation of the vise. Fig. 5 is a side elevation of rod clamping members. Fig. 6 is a top plan view of the clamp. Fig. 7 is a side elevation of the same.

In carrying out my invention I employ a clamp A provided with ordinary clamping screws for securing it to a table or any other suitable support. The clamp is provided with an annular rib A² on its top, on which is pivotally mounted a disk B having an annular groove in its bottom adapted to fit over the annular rib A². The upper face of the disk is provided with spaced transverse grooves B¹ adapted to register with the spaced parallel grooves C¹ formed in a similar disk C which is provided with an

annular groove in its upper face in which is pivotally mounted an annular rib D¹ of the base of a vise D the parts being connected together by a screw E, which extends up vertically through the same. The vise D is provided with a pair of angle clamping jaws D² and D³, the jaw D² being fixed and the jaw D³ movable, the jaws being clamped together by a screw F. It will be seen by this arrangement a pair of scissors can be clamped between the jaws in such a position that the bevel cutting edge of the same will be held in a horizontal position to be corrugated as hereinafter fully described.

A supporting rod G is clamped between the disks B and C in one of the grooves on which is slidably mounted a sleeve H having an upwardly projecting stem H¹ the sleeve being locked in its adjustable position by the set screw H². Mounted on the stem H¹ is a sleeve I which is locked in its adjustable position by a set screw I¹ and is provided with a sleeve I² in which is mounted a bar J supported at its rear end by a sleeve K provided with a sleeve K¹ mounted on a vertical post L and locked in its adjustable position by the set screw K². The post L is mounted on one end of a plate M which is provided with a central longitudinal slot M¹ through which extends a bolt M² carried by a horizontal arm A³ extending rearwardly from the clamp A.

Slidably mounted on the bar J is a sleeve N provided with a set screw N¹ and a socket N² in which is mounted a ball O¹ of the tool holder O in which one end of a single cut file P is adapted to be secured by any suitable means. The other end of the file is secured in tool holder Q which is provided with a handle Q¹ and is secured in a box R¹ of the bar R which is provided with a bifurcated end R² between which is pivotally mounted one end of an adjusting link S having a slotted end S¹ through which extends a bolt T carried by an arm U¹ of a sleeve U mounted on the bar J and locked in its adjustable position by set screw U². It will be seen that by adjusting sleeve N and U on the bar J the angle of the corrugation can be readily changed.

The operation of the device is as follows: When it is desired to sharpen a pair of scissors with my improved device, the blade of the scissors is clamped in the vise so that the beveled cutting edge will be in a horizontal position and by adjusting the sleeves

on the rod and bar the file can be moved into such a position that when oscillated through the medium of the handle Q¹ the diagonal teeth of the file will pass over the cutting edge of the scissors blade in such a manner that the teeth of the file will travel across the cutting edge of the blade in the same path all way across the blade so as to form transverse ridges or serrations therein, which will sharpen the scissors in such a manner that a rough cutting edge will be formed which will enable a person using the same to cut any material of reasonable thickness. It will be seen that as the file is drawn across the blade of the scissors by operating the handle Q¹ the teeth are forced into engagement with the beveled cutting edges in such a manner that the file will be prevented from moving longitudinally thereon and will be drawn across the same in a straight path with respect to the teeth of the file whereby instead of the file making a cut or wearing down the blade as in the ordinary manner of sharpening a pair of scissors with a file, the beveled edge will be serrated.

What I claim and desire to secure by Letters Patent, is:

1. In a device of the kind described the combination with a vise having angle clamping jaws, a supporting rod carried by the vise, a sleeve adjustably mounted on said rod provided with a stem, a sleeve mounted on said stem, a bar carried by said sleeve, a sleeve mounted on the said bar provided with a socket, a file holder carried by a box and a link connected to said box having a slidable connection with a second sleeve carried by said bar.

2. In a device of the kind described, the combination with a clamp, a vise carried by

said clamp, a rod carried by said vise, a bar supported by said rod, a sleeve mounted on said bar provided with an arm, a link having a slidable connection with said arm, a box carried by said link, a file holder carried by said box, a sleeve mounted on said bar provided with a socket, a file holder provided with a ball mounted in said socket and a handle carried by one of said file holders for operating same.

3. In a device of the kind described the combination with a clamp, a vise provided with angle jaws carried by the clamp, a rod carried by the vise, an arm extending rearwardly from said clamp carrying a plate, a post mounted on said plate, a stem mounted on said rod, sleeves mounted on said post and stem, a bar carried by said sleeve and a file holder having a pivotal and slidable connection with said bar for the purpose described.

4. In a device of the kind described, the combination with a clamp, of a rod and a vise carried by said clamp, a bar supported by said rod, a sleeve adjustably mounted upon said rod provided with an arm, a slotted link slidably connected to said arm by a pin carried thereby, a box carried by the free end of said link, a file holder carried by said box, a second sleeve mounted upon said rod provided with a socket, a file holder mounted in said socket and having a universal movement therein, and a file arranged in said file holder having diagonal teeth formed thereon adapted to operate upon a pair of scissors clamped within the vise.

GEORGE M. MIKESELL.

Witnesses:

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