Dec. 2, 1930. G. MIRIELLO 1,783,853

SCISSORS

Filed Jan. 29, 1929

Fig. 1.

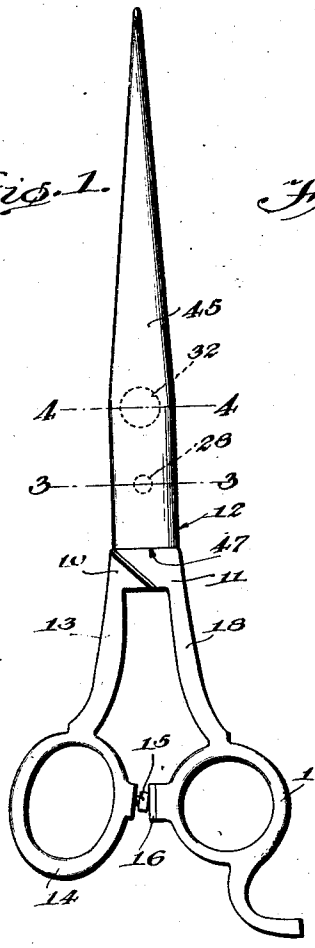


Fig. 2.

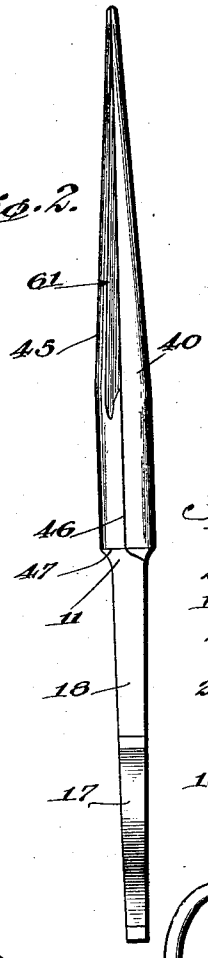


Fig. 3.

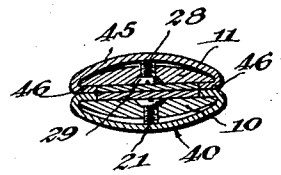


Fig. 4.

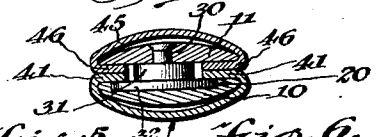


Fig. 5.

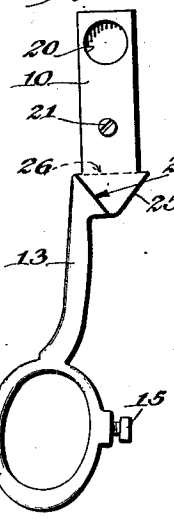


Fig. 6.

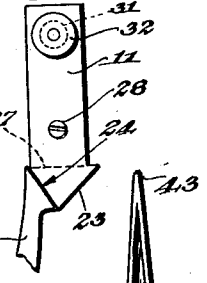


Fig. 7.

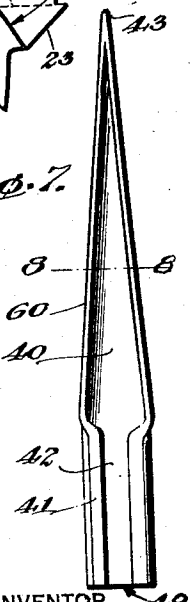


Fig. 8.



Fig. 9.

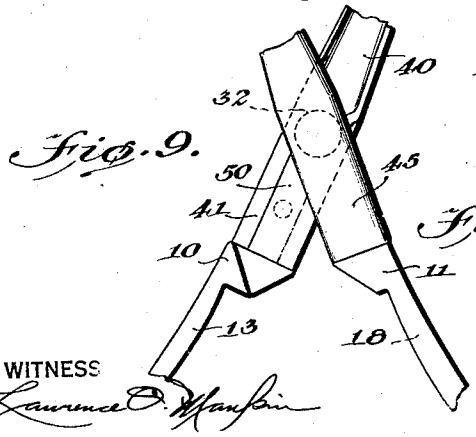
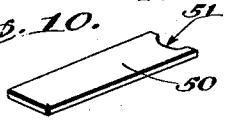


Fig. 10.



WITNESS

Laurence O. Hanson

INVENTOR

George Miriello

BY

Munn & Co.

ATTORNEY

Patented Dec. 2, 1930

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UNITED STATES PATENT OFFICE

GEORGE MIRIELLO, OF BRONX, NEW YORK

SCISSORS

Application filed January 29, 1929. Serial No. 335,839.

This invention relates to scissors.

An object of the invention is the provision of a pair of scissors in which the blades are movably connected to the shanks with the blade being curved on an arc of a circle whereby the hair will be cut directly instead of being forced at an angle to the shearing edge, thus preventing unevenness in the cutting of the hair.

A further object of the invention is the provision of a pair of scissors having shanks pivotally connected together and with blades removably attached with the shanks, the connections between the blades and shanks co-operating to maintain the pivotal connection of the shanks in operative relation.

This invention will be best understood from a consideration of the following detailed description, in view of the accompanying drawings forming a part of the specification; nevertheless it is to be understood that the invention is not confined to the disclosure, being susceptible of such changes and modifications which shall define no material departure from the salient features of the invention as expressed in the appended claim.

In the drawing:

Figure 1 is a view in elevation of a pair of scissors constructed in accordance with the principles of my invention,

Figure 2 is an end view in elevation of the scissors,

Figure 3 is a horizontal section taken along the line 3—3 of Figure 1,

Figure 4 is a horizontal section taken along the line 4—4 of Figure 1,

Figure 5 is a side view in elevation of a shank,

Figure 6 is a fragmentary side view of a second shank,

Figure 7 is a rear view in elevation of the removable blade,

Figure 8 is a horizontal section taken along the line 8—8 of Figure 7,

Figure 9 is a fragmentary view in elevation of the scissors with the blades in open position,

Figure 10 is a view in perspective of a sealing plate associated with each blade.

Referring more particularly to the drawings, 10 and 11 designate shanks of a pair of scissors generally indicated by the numeral 12. Depending from the lower end of the shank 10 is an arm 13 having a finger ring 14 and a set screw 15 which acts as a stop and co-operates with a lug 16 projecting laterally from a finger-piece 17. The finger-piece 17 is connected to an arm 18 which extends downwardly and is offset from the shank 11.

The shank 10 has a recess 20 at its upper end and a set screw 21 adjacent the lower portion. A shoulder 22 is provided at an angle to the vertical and is adapted to be engaged by an angularly disposed shoulder 23 on the shank 11. A shoulder 24 on the shank 11 is adapted to engage an angularly disposed shoulder 25 on the shoulder 10. The shanks 10 and 11 are respectively provided with shoulders 26 and 27 for a purpose which will be presently explained.

The shank 11 has a set screw 28 having its head countersunk as shown at 29 in Figure 3. A pin 30 has its head swaged in the countersunk portion in the shank and has an enlarged portion, shown at 31, and a disc-like portion 32 of a greater diameter than the portion 31.

Each blade is curved along the arc of a circle, as shown in Figure 8 and provides for a shearing action which will tend to cut a hair in a plane at right angles to the hair without forcing the hair to be disposed at an angle or in close contact with the head so that when a strand of hair is cut all of the hair will be sheared off at approximately the same distance from the head.

The blade 40 is connected to the shank 10 by means of curved flanges 41. These flanges are set down over the side edges of the shank and the screw 21 then revolved and moved inwardly to engage the rear portion 42 of the blade 40 for forcing that portion of the blade outwardly from the shank and for clamping the blade to the shank. The major portion of the blade extends outwardly and gradually comes to a point, as indicated at 43. The flange portion 32 of the pin 30 is received within the socket 20 of the shank

10 and as the flanges 41 ride over the edges of the shank they will also embrace the projecting portion of the member 32 and lock said member and likewise the pin 30 in position.

A blade 45 has flanged portions 46 which engage over the edges of the shank 11 and when the screw 28 is rotated sufficiently the blade will be clamped to the shank 11 and secured in place. The lower end 47 of the blade 45 engages the shoulder 27 of the lower end 49 and the blade 40 engages a shoulder 46.

A plate 50, shown more particularly in Fig. 10, has a notched portion 51 adapted to engage the annular portion 31 of the pin 30. This plate is fitted between the edges of the flanges 41 and a similarly constructed plate is fitted between the edges of the flanges 46 of the blades 45 to cover the heads of the screws 21 and 28.

When it is desired to remove the blades for the purpose of replacing the same it is only necessary to remove the plates 50 and loosen the set screws 21 and 28 whereby the blades 40 and 45 may be slipped respectively from the shanks 10 and 11.

I claim:

A pair of scissors comprising a pair of shanks, blades removably connected with the shanks, said blades having flanges embracing the shanks, set screws carried by the shanks and engaging the blades for clamping the flanges to the shanks, a pin secured to one shank and provided with a flange, the other shank having a recess to receive said flange, the last-mentioned flange being engaged at diametrically opposite points by the flanges of the blade which embraces the shank having the recess, plates provided with notches to receive the pin and having the edges thereof frictionally co-acting with the edge of the flanges in a blade.

Signed at 2559 Webster Ave., in the county of Bronx and State of New York, this 28th day of January, A. D. 1929.

GEORGE MIRIELLO.