

July 24, 1934.

A. S. BUDA

1,967,549

SCISSORS

Filed Nov. 28, 1932

Fig. 1.

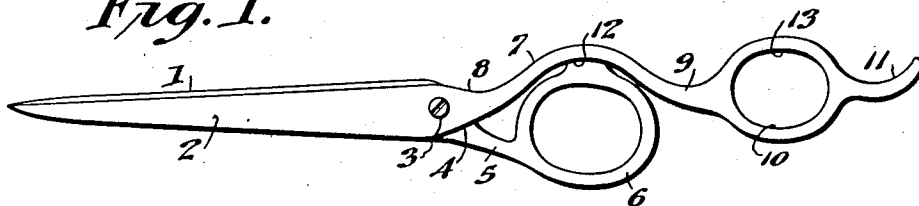


Fig. 2.

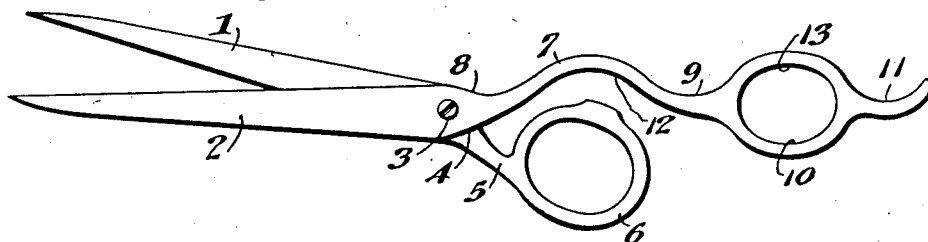


Fig. 3.

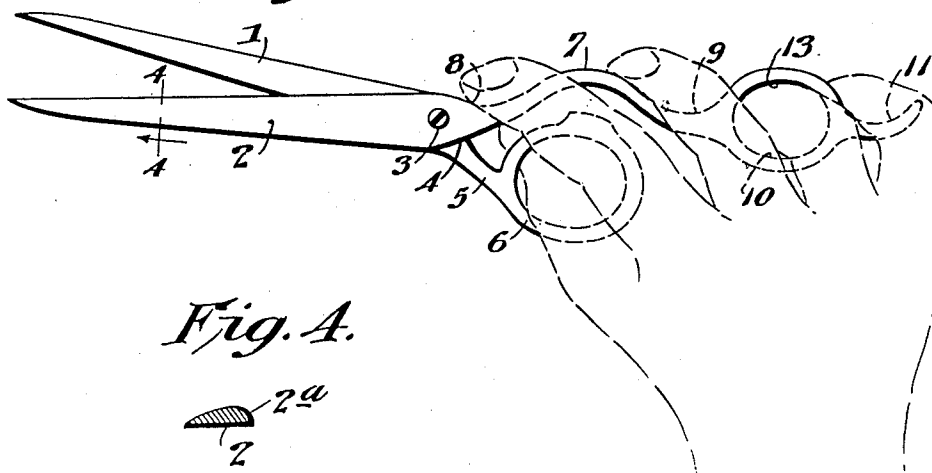


Fig. 4.



Inventor

Arthur S. Buda

By

Leon W. Patch

Attorney

UNITED STATES PATENT OFFICE

1,967,549

SCISSORS

Arthur S. Buda, Miami, Fla.

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2 Claims. (Cl. 30—13)

My invention relates to improvements in scissors, and particularly to scissors intended and adapted for accurate work such as cutting hair, cutting cloth, and in other connections where accurate and close cutting or trimming is required or desirable.

The primary object of my invention is to provide a scissors or shears structure adapted to be held and steadied by the use of all of the fingers, with the hand structure held in a substantially natural position, and which can consequently be used with greater accuracy and with the operation thereof easier on the hand muscles.

Another object is to so construct the parts that all of the fingers are used to hold and position the scissors or shears, the same being held in balanced relation and with the hand in a natural position, so that the scissors can be maintained in a steady and accurate positioning for close work such as by barbers in cutting and trimming hair and by other tradesmen or users requiring close and accurate cutting and trimming, or long continued use which with ordinary scissors causes tiring and cramping of the hand muscles.

Still another object is to provide a structure of this character which can be conveniently positioned and held for use, and with which the operation is accomplished by manipulation of the thumb only, with a natural movement.

With the above and other objects in view, which will be apparent to those skilled in the art, my invention includes certain novel features of construction and combinations of parts which will be hereinafter set forth in connection with the drawing and then pointed out in the claims.

Figure 1 is a view in elevation showing a pair of scissors constructed in accordance with my invention.

Fig. 2 is a similar view showing the blades separated preparatory for cutting manipulation.

Fig. 3 is a view similar to Fig. 2 to better show the manner of placing the hand and fingers to hold and manipulate the scissors.

Fig. 4 is a sectional view on line 4—4 of Fig. 3.

The blades 1 and 2, which can be made of any desired shape, length and size, depending upon the use to which the scissors or shears are to be put, are connected pivotally by means of a screw, pin, or other member 3, and the pivot joint is preferably made of open rather short and rounded form at the rear end, as indicated at 4, to thus provide an easy working joint that will not be liable to catch the hair, or pinch the flesh on a person's head when cutting hair, or catch and

tear paper, fabric, or other material being cut.

A handle 5, provided on blade 1 beyond the cross hinged mounting, is made to be rather short, to thus give a wide swing to the blade 1 upon a relatively short swinging movement of handle 5. This handle 5 terminates in a loop or ring 6 made of a size and shape to receive and conform to the thumb of a user.

Blade 2 has a handle 7 extending therefrom beyond the hinged connection at 3, and this handle portion 7, which is somewhat elongated, is formed as an undulating curve when viewed in side elevation. The outer side of the handle portion 7 has recesses or depressions 8, 9, 10 and 11 formed therein and properly spaced to conform and easily receive the fingers of the operator's hand, and comfortably dispose and rest these digits when the thumb is inserted in the ring or loop 6 of the handle 5. Between the recesses 8 and 9 the undulating form of the handle 7 is curved out to provide a recess 12 which will receive the loop or ring 6 when the blades 1 and 2 are closed together for cutting operation. The recess 10 is carried somewhat inwardly from the recesses 8, 9 and 11, to comfortably receive the third finger of the hand, and the handle is shaped to provide a back portion 13 which forms a ring or looped opening entirely surrounding the third finger of the hand.

In use, the scissors or shears will be grasped in the hand substantially after the manner illustrated in Fig. 3, with the thumb through the loop 6, the first finger in the depression 8, the second finger in the depression 9, the third finger in the depression 10, surrounded by the back portion 13, and the fourth or little finger in the depression 11. With the hand disposed in this manner, the handle portion 7 is firmly gripped and held so that it can be steadied and manipulated for close work such as hair cutting or trimming, and other close cutting and trimming. To operate the scissors or shears it is only necessary for the user to move the thumb in consequence of which handle 5 and blade 1 will be manipulated, and as this manipulation of the hand is in a most natural and usual manner, it is possible to secure short accurate strokes or long sweeping cutting action, with the blade 2 held in closely positioned and substantially rigid relation, and only blade 1 moving for the cutting or trimming operation. As the fingers fit in natural and easy grasp upon the handle portion 7, and the manipulation of handle 5 is through a natural and easy movement of the thumb, the user can secure great accuracy and can operate the scissors or shears on heavy work,

or over a considerable period of time, without cramping, straining, or other discomfort or injury to the hand.

As shown in Fig. 4, it is perhaps preferable that the blades 1 and 2 be made rounded on their outer sides as indicated at 2a, so that no sharp angles or corners will be presented.

While I have herein shown and described only certain specific embodiments of my invention and have suggested only certain possible modifications, it will be appreciated that changes and variations can be made in the form, construction, arrangement and mounting of the parts, without departing from the spirit and scope of my invention.

I claim:

1. Scissors comprising, with a pair of crossed blades having a hinge joint, a handle associated with one of said blades beyond the hinge joint and terminating in an inwardly disposed ring to receive and fit the thumb of a hand, and a handle portion for the other blade extending beyond

the hinge joint made of undulating form to present recesses to receive and position each of the fingers of the hand in natural relation with respect to the thumb and having a recess on its inner side intermediate the finger receiving recesses to receive the thumb ring when the blades are closed.

2. Scissors comprising, a pair of crossed hinged-mounted blades having a hinge joint, a short handle operatively associated with one of said blades terminating in a thumb receiving ring, a longer handle associated with the other blade made of undulating form to provide recesses for reception of each of the fingers of the hand in natural relation and having a ring portion to encircle the third finger, said undulating handle being provided with a recess on its inner side intermediate the positions provided for the first and second fingers of the hand to receive the thumb loop when the blades are closed in cutting relation.

ARTHUR S. BUDA.

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