A. T. SMITH.

SCISSORS.

APPLICATION FILED AUG. 6, 1920.

1,409,978. Patented Mar. 21, 1922.

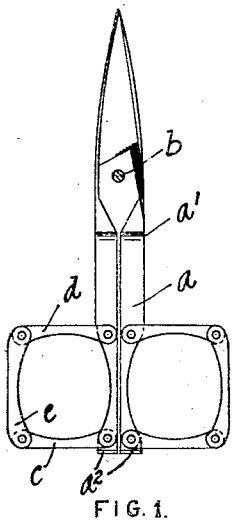


FIG. 1.

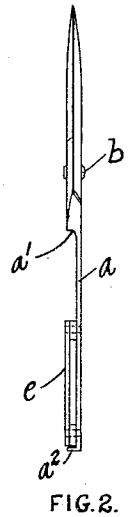


FIG. 2.

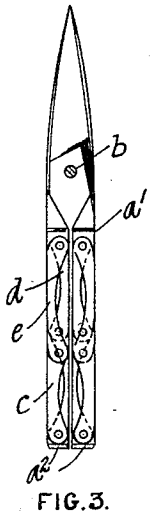


FIG. 3.

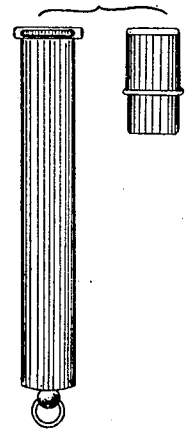


FIG. 4.

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UNITED STATES PATENT OFFICE.

ARTHUR THEODORE SMITH, OF SHEFFIELD, ENGLAND.

SCISSORS.

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(GRANTED UNDER THE PROVISIONS OF THE ACT OF MARCH 3, 1921, 41 STAT. L., 1313.)

To all whom it may concern:

Be it known that I, ARTHUR THEODORE SMITH, a subject of the King of Great Britain and Ireland, residing at Sheffield, in the county of York, England, have invented new and useful Improvements in Scissors, (for which I have filed an application in Great Britain, No. 139,086, dated June 4, 1919,) of which the following is a specification.

My invention relates to scissors of the kind having folding or collapsible bows which can be caused to lie against the shanks of the scissors so that such implements occupy relatively little space when being stored or carried in a case. My improvement consists in constructing scissors of the above named kind in which the shanks are set down from a point below the pivot, and two of the three members comprising each collapsible bow are pivoted to the set down faces of the shanks, so that the said bows can be folded to lie thereupon, resulting in a neat and compact arrangement. My improvement also includes the provision of outstanding lugs on the shanks to limit the movement of the bows when opened out to their fullest extent.

My invention will be better understood on reference to the accompanying drawings in which:—

Fig. 1 is a front elevation of a pair of scissors made according to my invention, with the bows opened out ready for use.

Fig. 2 is a side elevation of same.

Fig. 3 is a front elevation with the bows folded.

Fig. 4 shows a case suitable for the reception of the scissors.

The same letters refer to similar parts throughout the several views.

According to my invention I form each blade of my improved scissors with a straight narrow shank, *a*, set down from a^1, a point a short distance immediately below the pivot, *b*. Near the lower end of each shank and also at a convenient distance below the point, a^1, I pivot straight or slightly bowed members, *c*, and *d*, respectively to which is pivoted a similarly shaped connecting member, *e*. It should be particularly noted that the members, *c*, and *d*, are connected to the upper face of the shanks, *a*, and that the member, *e*, lies on top of the members, *c*, and *d*. This is a very necessary formation in order to obtain the compact folding which characterizes scissors made according to my invention. These pivoted members, *c*, *d*, and *e*, can be moved so as to form in conjunction with the portions of the shanks, *a*, to which they are adjacent loops or bows standing out at right angles to the shanks (thus providing finger and thumb receptacles), as shown in Fig. 1, or they may be collapsed or folded so as to lie along each shank and so fill up (or approximately fill up) the space provided by the set down portion of the shanks below the point, a^1, as before mentioned and as shown in Fig. 3.

Each of the shanks, *a*, has at its lower end an outstanding lug, a^2, against which the outer sides of the members, *c*, bear when the bows are fully opened out as shown in Fig. 1, the said lugs serving as stops to limit the movement of the bows when they have reached a fully opened position.

Scissors constructed as before described occupy very little space in their folded position and can be carried in the pocket either in an unprotected state or encased in a sheath such as the one shown in Fig. 4. The said sheath and cap illustrated in Fig. 4 form no part of the present invention, but are introduced to show that scissors of my improved construction may be stored in a relatively small metal case of oblong cross section and closed by a cap of similar section.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. Scissors of the folding bow type having the shanks set down from a point a short distance immediately below the pivot and the bows formed of three members, the two horizontal members of the folding bows being pivoted to the upper face of the shanks, and the vertical members be-

ing pivoted to the upper faces of the said horizontal members, in the manner and for the purposes substantially as herein described.

2. Scissors of the folding bow type having at the lower ends of the shanks outstanding lugs against which the lower horizontal members of the folding bows bear when opened to their full extent, substantially as herein described.

In testimony whereof I have signed my name to this specification.

ARTHUR THEODORE SMITH.