

J. W. DOWDEN.
SCISSORS.
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959,481.

Patented May 31, 1910.

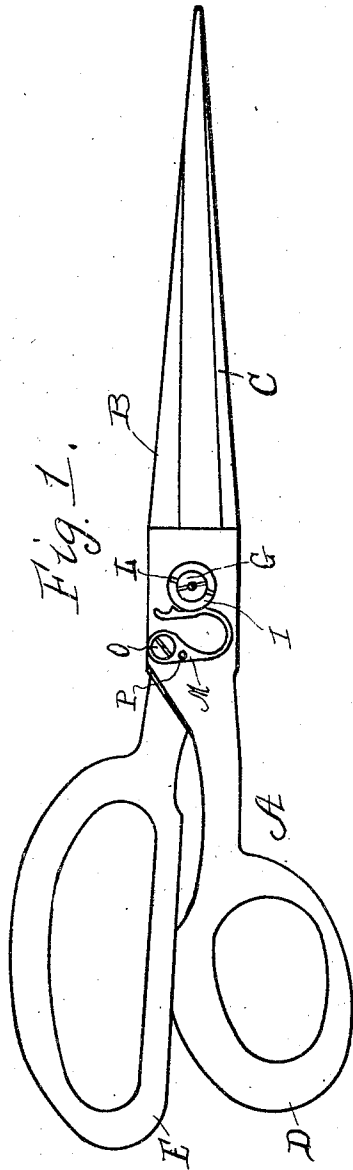


Fig. 2.

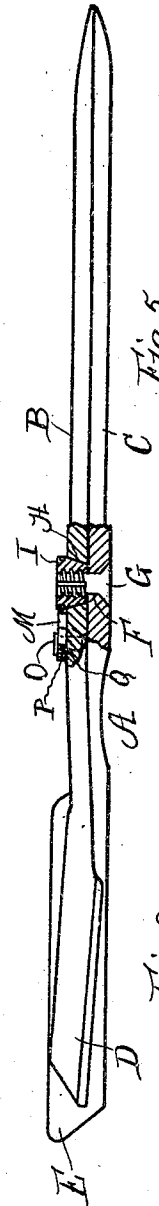


Fig. 3.

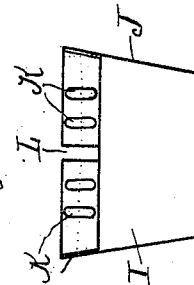


Fig. 4.

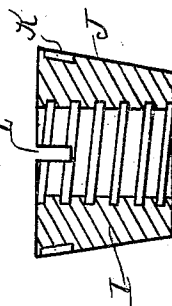
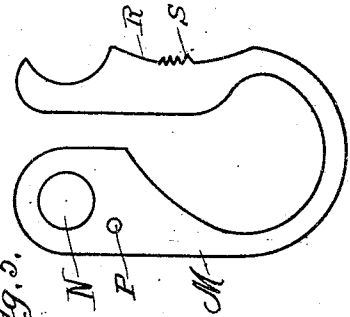


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

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SCISSORS.

959,481.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN WESLEY DOWDEN, a citizen of the United States, residing at Reeves, in the parish of Calcasieu and State of Louisiana, have invented a certain new and useful Improvement in Scissors, of which the following is a specification.

My invention relates to a new and useful improvement in scissors, and has for its object to provide an exceedingly simple and effective device of this character whereby the blades will be brought closer to one another as they are closed and moved away from one another when opened.

In order that scissors may cut perfectly clean all the way to the point, the blades must be brought close together at the points, and this I accomplish in a very efficient manner, adding but very little cost to the manufacture of the scissors.

With this end in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a plan view of a pair of scissors made in accordance with my improvement. Fig. 2, a sectional view of a portion of the blades and nut so as to clearly illustrate the working of the device. Fig. 3 an enlarged side elevation of the nut. Fig. 4, a longitudinal sectional view thereof. Fig. 5, an enlarged plan view of the spring.

In carrying out my invention as here embodied, A represents a pair of scissors having the blades B and C, which are provided with handles D and E. In the blade C is formed the opening F in which is placed the screw rivet G, said screw rivet being securely attached to the blade C. In the blade B is formed a beveled opening H, in which fits the nut I having beveled sides J, said nut being threaded on to the screw rivet G. In proximity to the upper end of this nut around its periphery are formed a number of notches K, for a purpose to be hereinafter described, and in this nut is also formed a screw driver slot L, so that when it is being

placed on the screw rivet G it may be tightened as desired.

M is a spring dog which is virtually U-shaped and having an opening N formed in one end through which passes a screw O for securing it to the blade B. In proximity to the opening N is mounted a downwardly extending pin P, which passes into a suitable opening Q formed in the blade B, said pin preventing the spring dog M from slipping around out of position. In the arm opposite to the one in which is formed the hole N is formed a concaved portion R, and in this portion is formed a tooth S which is adapted to engage the notches K formed on the periphery of the nut I.

In practice the spring dog is put in position upon the blade B and the screw rivet G is secured to the blade C. The blades are then placed together so that the screw rivet G passes through the opening H in the blade B. The nut I is then threaded on to the screw rivet G until the desired tension is brought to bear upon the blades, at which time the tooth S on the spring dog M is allowed to engage one of the notches K on the periphery of the nut I, which will always hold the nut in the same position in relation to the blade B. When the blades are opened the nut I will be gradually threaded off of the screw rivet G thereby loosening the blades when in their open position. By closing said blades the nut will thread on to the screw rivet G, thus bringing the blades closer together as they are closed in the act of cutting, so that the scissors at their points will cut as clean as at any other part of the blades.

Of course I do not wish to be limited to the exact details of construction here shown, as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful, is—

1. In a device of the character described, a pair of scissor blades provided with handles, a screw rivet securely attached to one of said blades, a nut threaded on said rivet for holding the blades together, and means for holding said nut stationary in relation to the adjacent blade.

2. In a device of the character described, a scissors blade provided with a handle having an opening formed therein, a screw rivet

mounted in said opening and securely attached to the blade, another scissors blade provided with a handle and having a beveled opening formed therein through which
 5 passes the screw rivet, a circular nut having beveled sides provided on its periphery with notches and having a screw driver slot formed therein, said nut adapted to be threaded upon the screw rivet, and a spring
 10 dog mounted upon one of the blades adapted to engage the notches in the nut, as specified.

3. In a device of the character described, a scissors blade provided with a handle and
 15 having an opening formed therein, a screw rivet mounted in said opening and securely attached to the blade, another scissors blade provided with a handle and having a beveled opening formed therein through which
 20 passes the screw rivet, a circular nut having beveled sides provided on its periphery with notches and having a screw driver slot formed therein, said nut adapted to be threaded upon the screw rivet, a spring dog
 25 being virtually U-shaped having a screw receiving opening formed in one end and having teeth formed therewith adapted to engage the nut, and means for securing said spring dog to one of the blades.

30 4. In a device of the character described, a scissors blade provided with a handle, and having an opening formed therein, a screw rivet mounted in said opening and securely attached to the blade, another scissors blade
 35 provided with a handle and having a be-

veled opening formed therein through which passes the screw rivet, a circular nut having beveled sides provided on its periphery with notches and having a screw driver slot
 40 formed therein, said nut adapted to be threaded upon the screw rivet, a spring dog being virtually U-shaped having a screw receiving opening formed in one end and having teeth formed therewith adapted to
 45 engage the nut, a screw for securing the spring dog to one of the blades, and a downwardly extending pin mounted on the spring dog in proximity to the screw receiving opening extending into the blade for holding
 50 the spring dog in position.

5. In combination, two cutting blades, a screw rivet attached to one of said blades and held against rotation in relation thereto, and a nut threaded on said rivet and held against rotation in relation to the ad-
 55 jacent blade, so that when said blades are opened the nut will back off the rivet, causing the blades to move away from one another, and when said blades are closed the nut will thread on to the rivet, causing the
 60 blades to come together.

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses.

JOHN WESLEY ^{his} X DOWDEN.
 mark

Witnesses:

J. W. LEE,
 B. GUSDORF.