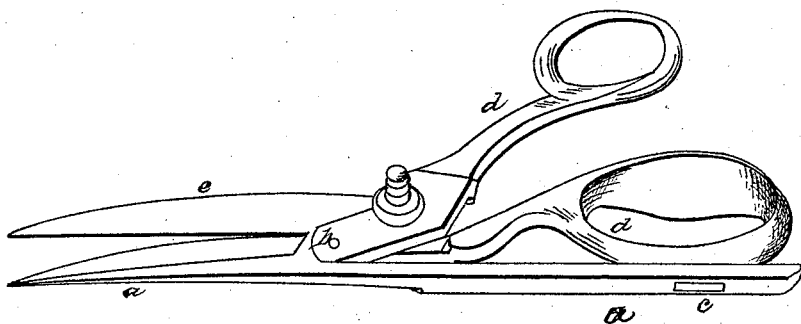


B. W. Warner,
Shears,
Nº 6,008, Patented Jan. 9, 1849.



UNITED STATES PATENT OFFICE.

BENJN. W. WARNER, OF NEW YORK, N. Y.

TAILOR'S SHEARS.

Specification of Letters Patent No. 6,008, dated January 9, 1849.

To all whom it may concern:

Be it known that I, BENJAMIN W. WARNER, of the city of New York and State of New York, have invented certain new and
5 useful Improvements in the Mode of Constructing Shears for Cutting Cloth or Other Substances Usually Cut by Means of Shears; and I do declare the following to be a true and exact description.

10 The nature of my invention consists in attaching the lower blade of the shear to a bar and making it work in combination with the upper blade by means of a short arm or lever worked by the upper hand lever as
15 hereinafter described, by which arrangement the blades are made to act in cutting more nearly parallel to each other than those of the ordinary shears thus increasing the facility of their use by lessening the spread
20 of the points, and keeping the lower part of the shears constantly in contact with the surface upon which the material is laid to be cut at the same time that the power of the hand is applied more equally over the
25 whole blade than in any other plan hitherto in use. A drawing motion is also given to the upper blade by this arrangement, which renders the cut more perfect and easier.

30 To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

I make the upper blade and the levers, worked by the hand, substantially as they have hitherto been made. The lower blade
35 I make upon the end of a bar, represented by the annexed drawing (*a, a,*). I connect the lower blade and bar to the upper hand lever by means of a joint, represented by

the annexed drawing at (*b.*) This joint should be placed at a convenient distance 40 from the pivot; for an ordinary tailors shears say at the distance of an inch and an eighth from the center of pivot to the center of pivot, but it is apparent that the distance will be governed in general by the amount 45 of power to be expended upon the blade and width of opening necessary to receive the material to be cut.

In order to secure the blade in a fixed position, as well as to enable it to have a forward and backward motion such as would 50 be given by the action of the lever I provide the end of the bar farthest from the blade with a slot seen at (*c*) of the drawing referred to, through this slot I pass a screw 55 into the rim of the lower lever, allowing a play between the head of the screw and the slot sufficient to allow the requisite motion of the bar.

The accompanying drawing represents a 60 tailors shears with my improvements.

What I claim as my invention and desire to secure by Letters Patent is—

1. The construction of the lower blade separate from the upper lever and connected 65 with it by a joint *a* above described.

2. I also claim the application of the bar to steady the action of the lower blade constructed and operating as herein described; and also the combination of the lower blade 70 with the upper hand lever in the mode of application described.

BENJAMIN W. WARNER.

Witnesses:

A. J. WILLARD,
M. J. O'LEARY.