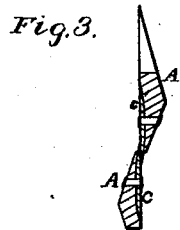
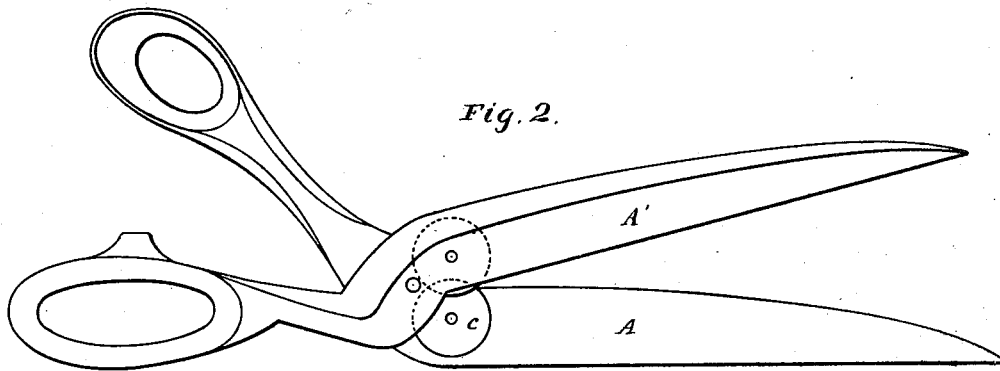
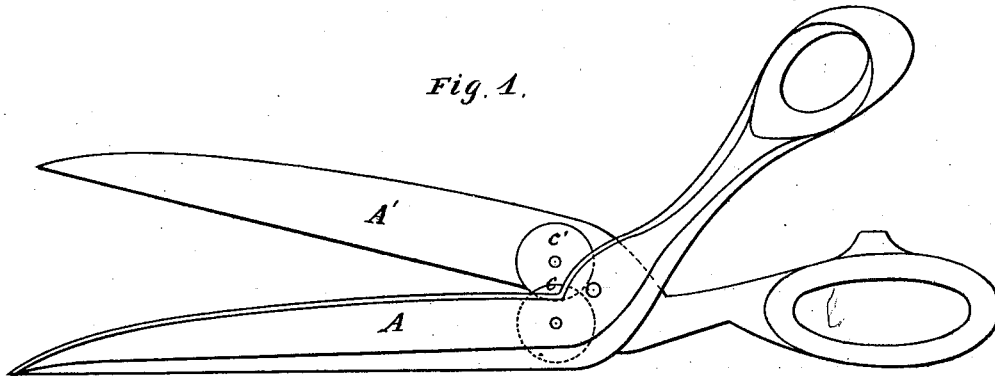


M. E. PLEAS.
Tailors' Shears.

No. 164,327.

Patented June 8, 1875.



WITNESSES
Mary J. Utley.
E. H. Bates

INVENTOR
Maurice E. Pleas,
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ATTORNEYS

UNITED STATES PATENT OFFICE.

MAURICE E. PLEAS, OF NORTH MANCHESTER, INDIANA.

IMPROVEMENT IN TAILORS' SHEARS.

Specification forming part of Letters Patent No. 164,327, dated June 8, 1875; application filed May 15, 1875.

To all whom it may concern:

Be it known that I, MAURICE E. PLEAS, of North Manchester, in the county of Wabash and State of Indiana, have invented a new and valuable Improvement in Shears; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figures 1 and 2 of the drawings are representations of plan views of my shears, and Fig. 3 is a sectional detail view.

My invention relates to shears for tailors' use; and it consists mainly in attaching to each blade a circular cutter, as will be hereinafter more fully set forth.

The letters A A' of the drawings represent the two blades of my shears, the upper one of which is preferably formed with a handle which is on an angle of forty-five degrees with the body of the blade. The cutting-edge of this blade A is convex, as shown, and I prefer to construct it a little longer than the blade A', so that its point shall remain under the cloth after blade A' has made its visitation and cut the cloth to its extreme point. The cutting-edge of the blade A' is straight, or very nearly so, and its handle has an obtuse angle with the blade, as shown on the drawings. The peculiar angles given to the handles of these blades enable the operator to open the blades to a great distance from each

other without an unusual stretch of the thumb or hand.

The letters *c c'* represent small circular cutters, pivoted, respectively, in the rear ends of the blades A A', and recessed therein in such manner that their exposed surfaces shall be on a line with the inner sides of the blades. The point of junction between these cutters is preferably below the edge of the blade, and they are arranged to rotate around fixed journals, as represented on Fig. 3.

By means of these rotating cutters the operator is enabled to cut the fabric by simply pushing the shears through the same, and he is also enabled to commence the cut of an obdurate substance between two circular edges, upon which unusual lever-power is provided by the peculiar arrangement of the handles.

What I claim as new, and desire to secure by Letters Patent, is—

In a pair of shears, the rotating circular cutters *c c'*, attached, respectively, to the rear end of each blade in such manner that their exposed surfaces shall be on a line with the inner sides of the blades, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

MAURICE E. PLEAS.

Witnesses:

N. W. BEAUCHAMP,
J. M. BURDGE.