

T. J. Sloan,

Shears.

N^o 2,787.

Patented Sep. 23, 1842.

Fig. 4.

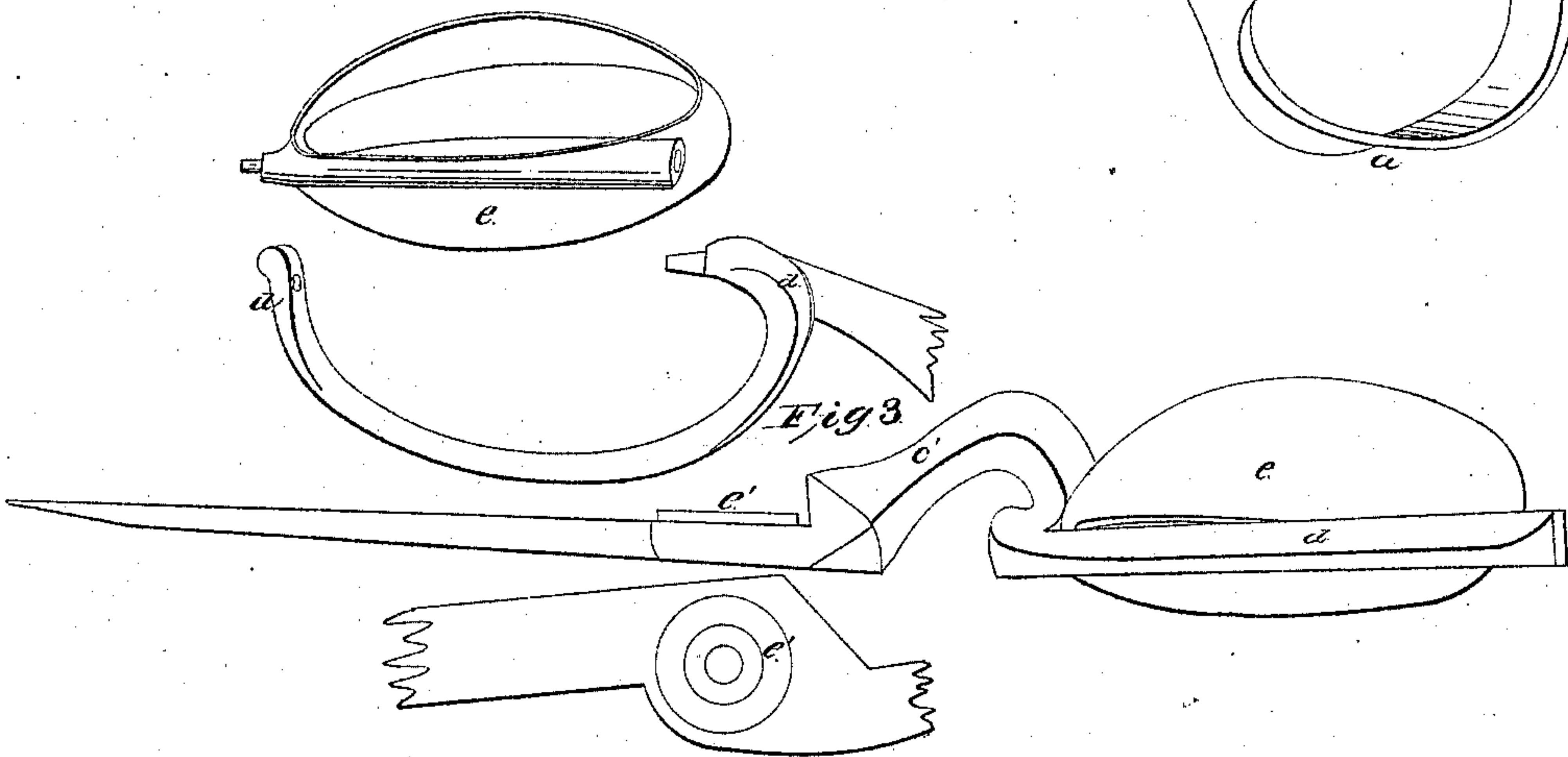
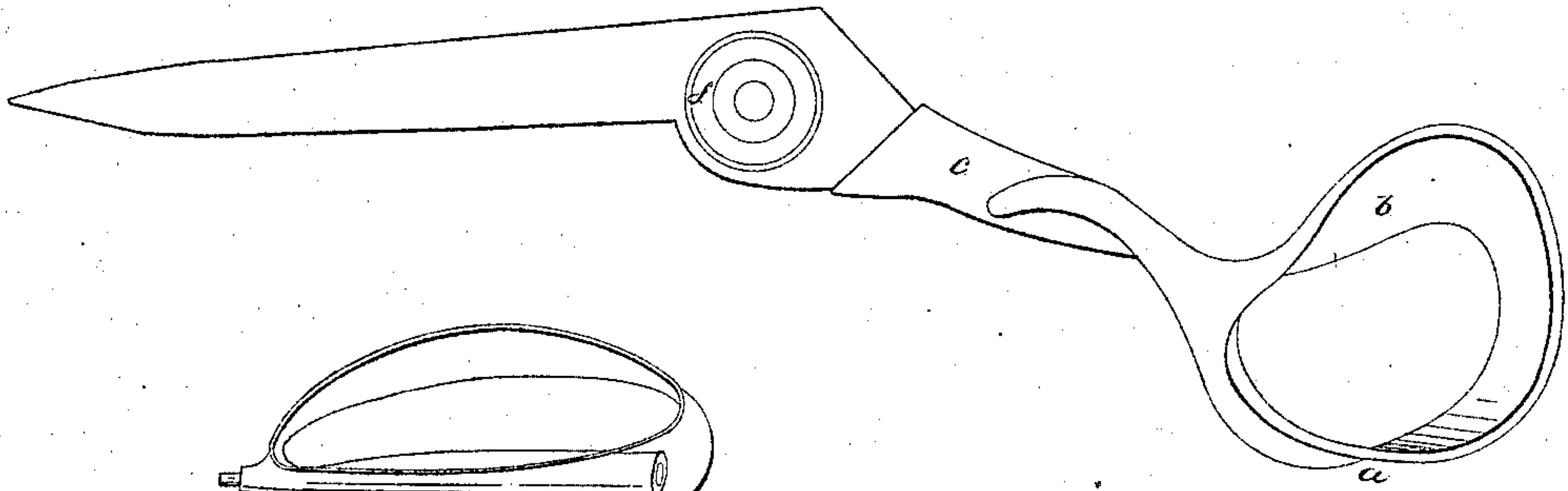


Fig. 2.

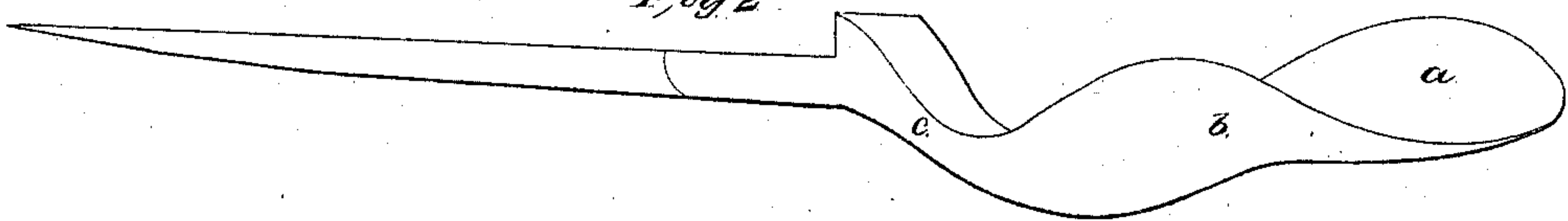
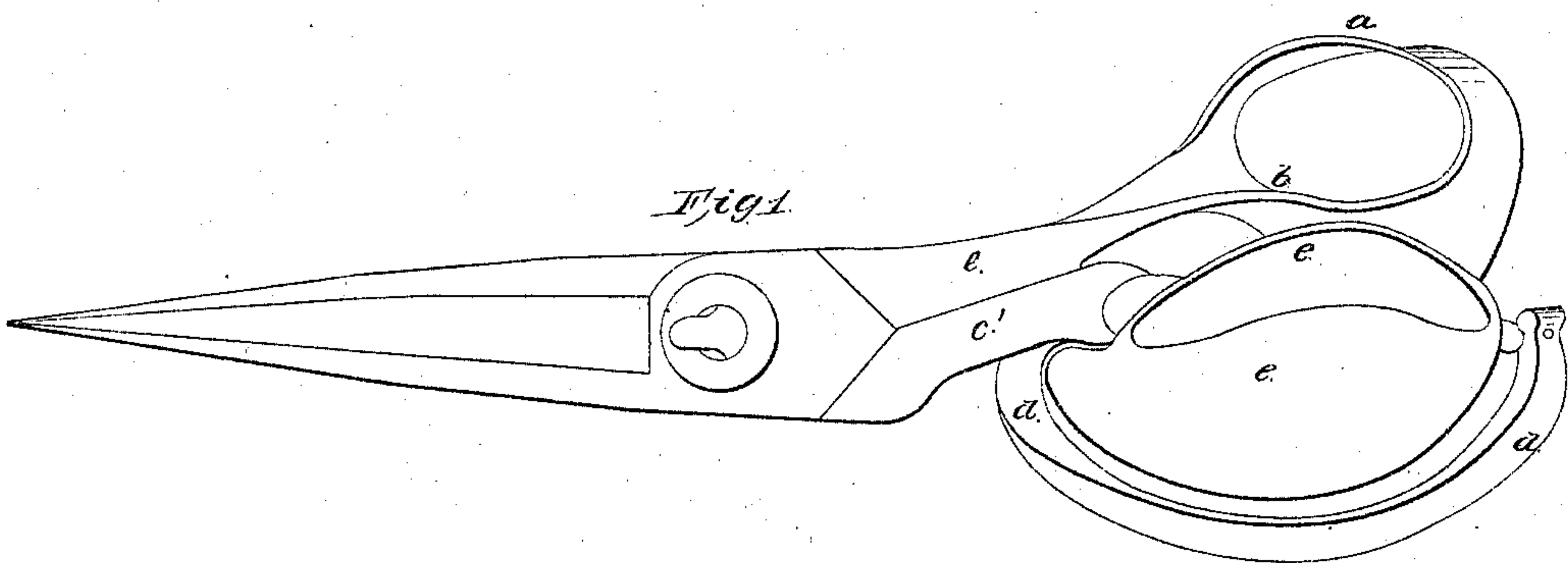


Fig. 1.



UNITED STATES PATENT OFFICE.

THOS. JAS. SLOAN, OF NEW YORK, N. Y.

TAILOR'S SHEARS.

Specification of Letters Patent No. 2,787, dated September 23, 1842.

To all whom it may concern:

Be it known that I, THOMAS JAMES SLOAN, of the city, county, and State of New York, have invented a new and useful Improvement in Tailor's Shears; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1, is a side view; Fig. 2, upper side of the upper bow with blade attached; Fig. 3, under side of under bow with blade and swivel affixed; Fig. 4, inside view of lower blade and upper bow showing the socket joint.

The nature of my invention consists in adapting the upper bow to the thumb so that it shall have a more equal bearing than shears now in use; and in constructing the lower bow so as to swivel as the fingers open and shut the joint being so formed as to prevent the edges of the shears from shaving each other.

In the formation of the upper bow of these shears the upper section of the bow (*a*) is made slanting so as to present the hole through it nearly on a line parallel with the blades the lower section (*b*) being flattened out so as to present a surface somewhat shaped to the inside of the thumb which extends down onto the shank; at the termination of the flattened part, the shank (*c*) is turned to the left at an angle of about 45° with the blade, which it joins at a point on a line with the inside of the bow, the blade is formed similar to those now in use; this form of bow, allows the thumb to take a natural position and rest its whole length from the ball to the end upon the lower section of the bow, and the shank and prevents the edges of the blades from spreading apart. The lower bow (*c*) is shaped similar to those now in use, and is attached to the shank in the following way, the shank (*c'*) is bent outward to correspond with that of the opposite blade; from the point where the bow would ordinarily

join it a curved piece (*d*) is bent forward, and then curves around under the place of the bow, and up behind, like the lower half of a bow, of a pair of common shears; from the end of the shank where the curved piece (*d*) is joined, a point projects, which fits into a socket on the upper section of the bow (*d*) the other end of the bow is sustained, by a screw which passes through the curve (*d*) and on these it swivels, as the fingers open and shut in the act of cutting.

The blades are jointed together in the following way, the upper blade has a projection (*e'*) (see Fig. 3) in form of a circular disk, which fits into a concavity (see Fig. 4) of the other blade; the inside of the projection (*e'*) is turned out leaving a circular ring around the hole through which the screw passes; in the concavity a similar ring (*f*) is left projecting from the bottom thereof, which rubs against that on the other blade thereby presenting an equal and steady surface for the blades to turn on, with the least possible friction, and preventing their wearing by cutting over onto each other.

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

1. The so forming the upper bow, and crooking the shank of shears, that the thumb can have a bearing its whole length upon the lower section (*b*) parallel to the blades in the manner herein described.

2. I also claim the construction of the lower bow (*e*) so as to swivel in the shank, having a rest under it (*d*) in the manner and for the purpose above set forth.

3. I further claim the forming a steady fulcrum for the blades of the shears by means of a socket joint, bearing upon the bow rings (*e* and *f*) constructed and arranged as before specified.

THOS. JAS. SLOAN.

Witnesses:

GEORGE R. WEST,
PLATT MERWILL,