

(No Model.)

J. L. STARKS.
REVERSIBLE SHEARS.

No. 300,153.

Patented June 10, 1884.

Fig. 1.

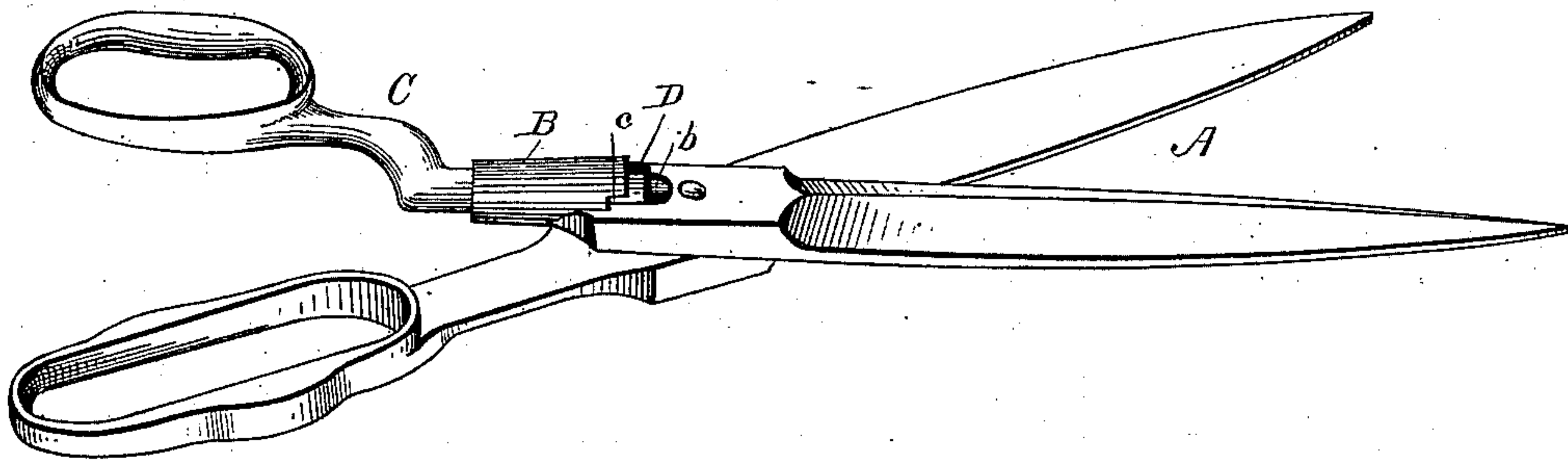


Fig. 2.

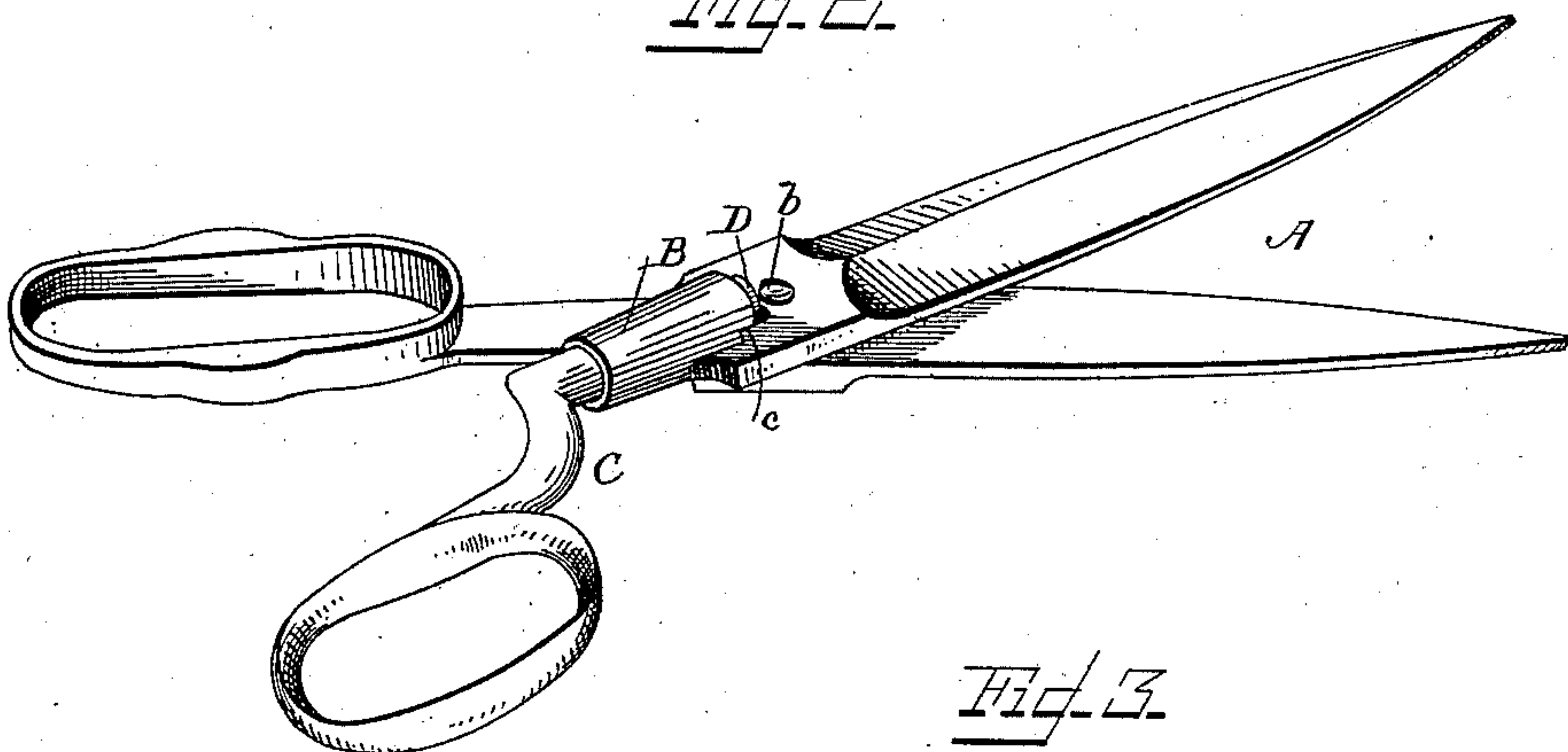


Fig. 3.

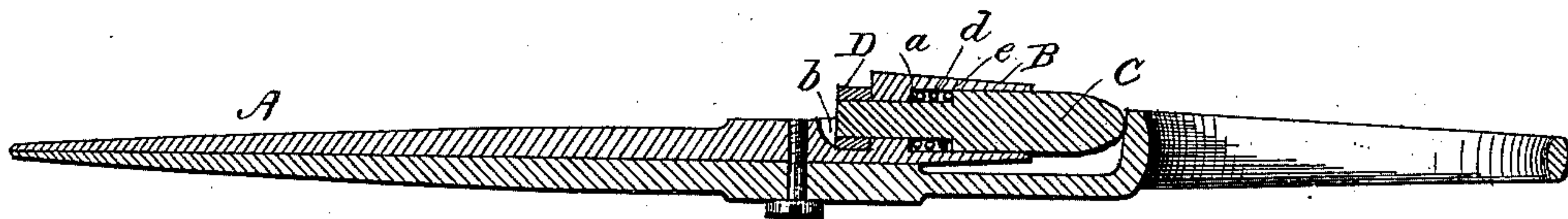
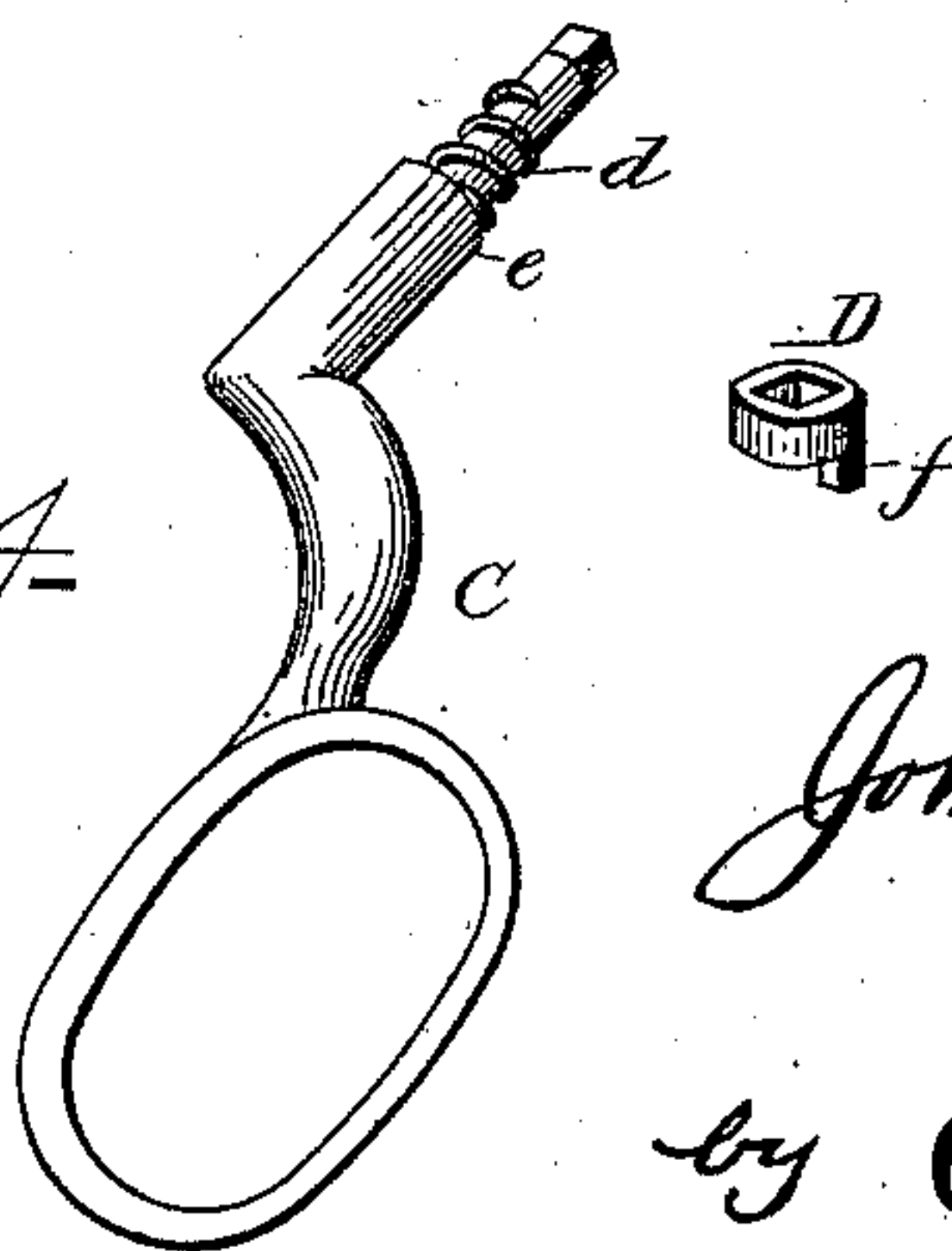


Fig. 4.



WITNESSES

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REVERSIBLE SHEARS.

SPECIFICATION forming part of Letters Patent No. 300,153, dated June 10, 1884.

Application filed March 13, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. STARKS, a citizen of the United States, residing at Sharon Grove, in the county of Todd and State of Kentucky, have invented new and useful Reversible Shears, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to scissors and shears; and it has for its object to provide the same with reversible handles of improved construction, whereby both edges of the scissors or shears may be sharpened and employed for cutting purposes by simply reversing the position of one of the handles.

With these ends in view the invention consists in the improved construction of a reversible handle, and in the combination of parts hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a pair of shears constructed in accordance with my invention. Fig. 2 is a perspective view showing the handle reversed to employ the outer edges of the shears for cutting. Fig. 3 is a longitudinal section through the reversible handle and the tubular extension on the end of one of the blades for holding the same, and Fig. 4 is a detached view of the reversible handle.

In the accompanying drawings, in which like letters refer to corresponding parts in the several figures, A represents a pair of shears, the inner and outer edges of the blades of which are formed with cutting-edges. At the lower end of one of the blades is formed a tubular extension, B, the inner surface of which is formed with two different diameters, thus providing a seat, *a*, for a purpose which will be explained. Upon the side of the blade adjacent to the tubular extension B, just above the same, is formed a depression or recess, *b*. Upon the upper end of the tubular extension are provided two notches or slits, *c*.

C represents the detachable handle, the end of which is squared, and is provided with a coil-spring, *d*, one end of which bears against a seat, *e*, on the end of the shears, and the other end against the seat *a*, within the tubular extension.

D represents a cap, which is provided with an outwardly-projecting lug, *f*. This cap is adapted to fit rigidly upon the squared end of the detachable handle, and the lug engages one of the slots formed in the tubular extension.

To reverse the handle so that the outer edges of the blades will cut, it is only necessary to push the detachable handle forward, thus raising the lug of the cap from engagement with the slot in the end of the tubular extension. The handle may then be turned to the opposite side to engage with the other slot. Upon said handle being released, the spring on the end of the handle will force the handle in a downward direction and the lug into engagement with said slot.

It will be seen from the above description that a pair of shears provided with my improvements are not only simple in their construction, but that the means for reversing the handle for the purpose before described are effective and easily operated.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In scissors or shears, the combination, with one of the blades, provided at its lower end with a tubular extension having slots formed upon the opposite sides of the same at their upper ends, of a detachable handle having a coiled spring mounted thereon near the upper end thereof, and a cap adapted to fit the end of the said handle upon the outer side of the tubular extension, substantially as set forth.

2. In scissors or shears, the combination, with one of the blades, provided at its lower end with a tubular extension having slots at its upper end, and a recess formed adjacent thereto upon the blade, said extension being also provided with a seat upon its inner side near the upper end of the same, of a detachable handle, the end of which is squared, said handle being also provided with a coil-spring bearing against a seat upon said handle at one end and against the seat of the tubular extension at the other end, and a cap provided with an outwardly-projecting lug, and adapted to be rigidly mounted on the squared end of the handle, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN LITTLEBERRY STARKS.

Witnesses:

CARL JOHNSTON,
G. B. CHAMBERS.