

(No Model.)

R. McC. BILLS & A. S. HAMILTON.
SHEEP SHEARS.

No. 354,378.

Patented Dec. 14, 1886.

FIG. 1.

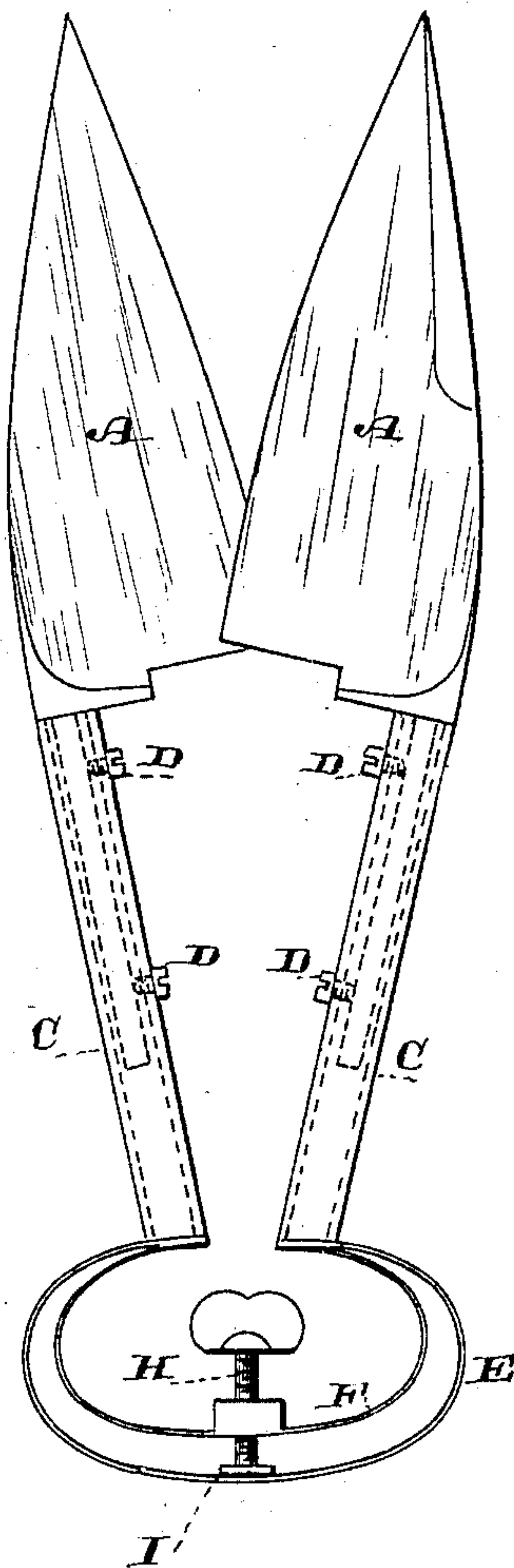


FIG. 2.

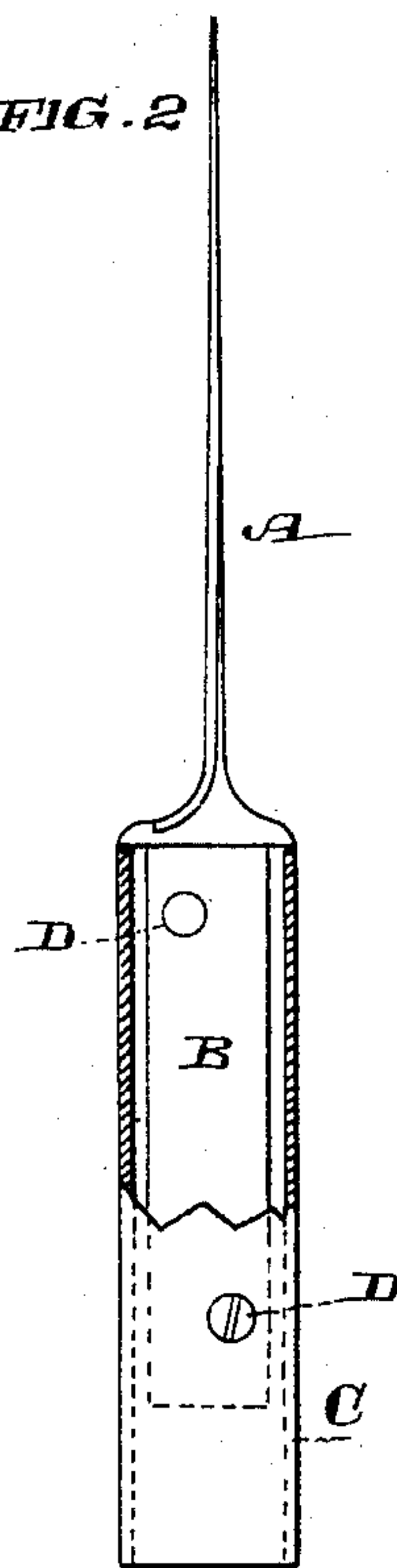
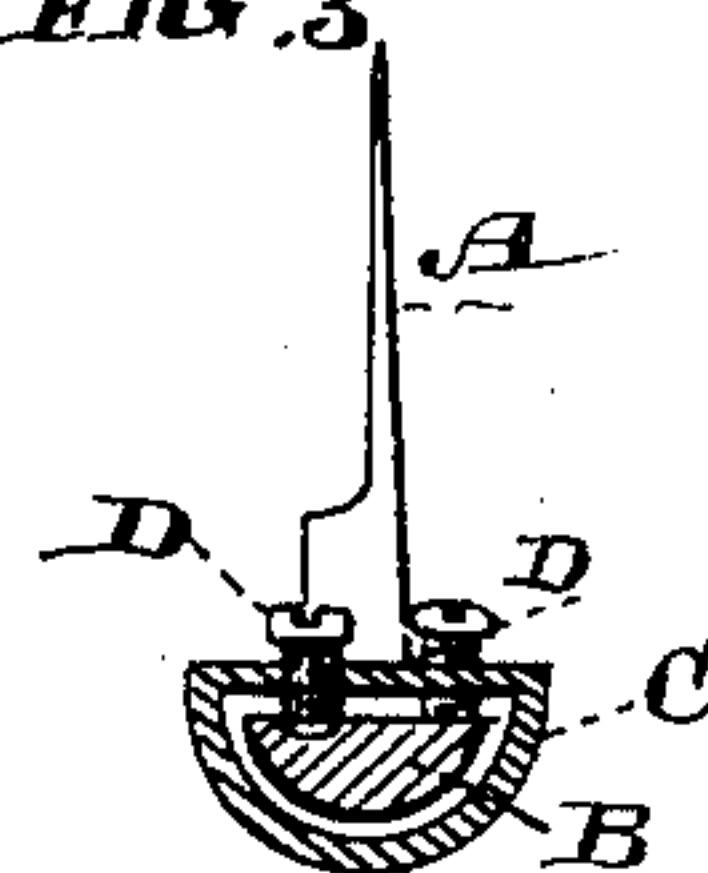


FIG. 3.



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UNITED STATES PATENT OFFICE.

ROBERT McCOY BILLS AND ALBERT S. HAMILTON, OF OROVILLE, CAL.

SHEEP-SHEARS.

SPECIFICATION forming part of Letters Patent No. 354,378, dated December 14, 1886.

Application filed February 27, 1886. Serial No. 193,529. (No model.)

To all whom it may concern:

Be it known that we, ROBERT McCOY BILLS and ALBERT S. HAMILTON, both of Oroville, Butte county, State of California, have invented an Improvement in Sheep-Shears; and we hereby declare the following to be a full, clear, and exact description of the same.

Our invention relates to certain improvements in sheep-shears.

10 It consists in the devices, hereinafter described and claimed, whereby the blades may be turned so as to present the edges of the blades to each other at any desired angle.

Figure 1 is a plan view of a pair of shears. 15 Fig. 2 is a view showing the inside of one handle with the adjusting-screws. Fig. 3 is a transverse section of one hollow handle with the shank of the blade and adjusting-screw.

A are the blades of the shears, having semi-cylindrical shanks B, which are made to fit loosely inside the hollow extensions of the handles C. Upon the flat inner sides of these extensions are set-screws D, which pass 20 through, one upon one side and the other upon the opposite side, as shown in Fig. 2. By turning these set-screws so as to move one out and the other in the shank will be turned and the edges of the blades will be moved to or from each other, so that they will be set to 25 cut to the best advantage without either crossing or slipping upon each other without cutting.

E is the bow, which is connected with the handles or shanks, and F is a spring, which has a similar curve to the bow; but it is of smaller size, so that it curves around inside of the bow and is secured, as shown in Fig. 1. 35 Through the center and back part of this spring F a screw, H, passes, the spring being thickened and screw-threaded at that part. 40 The end I of the screw turns in a socket or against the back part of the bow E, and adjusts the tension of the springs whereby the power to separate the blades is increased or diminished. 45

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In sheep-shears, the blades, having the extensions or shanks fitting in similarly-shaped hollow handles, in combination with adjusting-screws adapted to press upon opposite edges of the flat sides of the shank, whereby the shanks and blades may be turned so as to present the edges of the blades to each other at any desired angle, substantially as herein described. 50 55

In witness whereof we have hereunto set our hands.

ROBERT McCOY BILLS.
ALBERT S. HAMILTON.

Witnesses:

W. Y. BLISS,
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