(Model.)

E. KELLOGG.

SHEEP SHEARS.

No. 323,691. Patented Aug. 4, 1885.

Fig. 1.

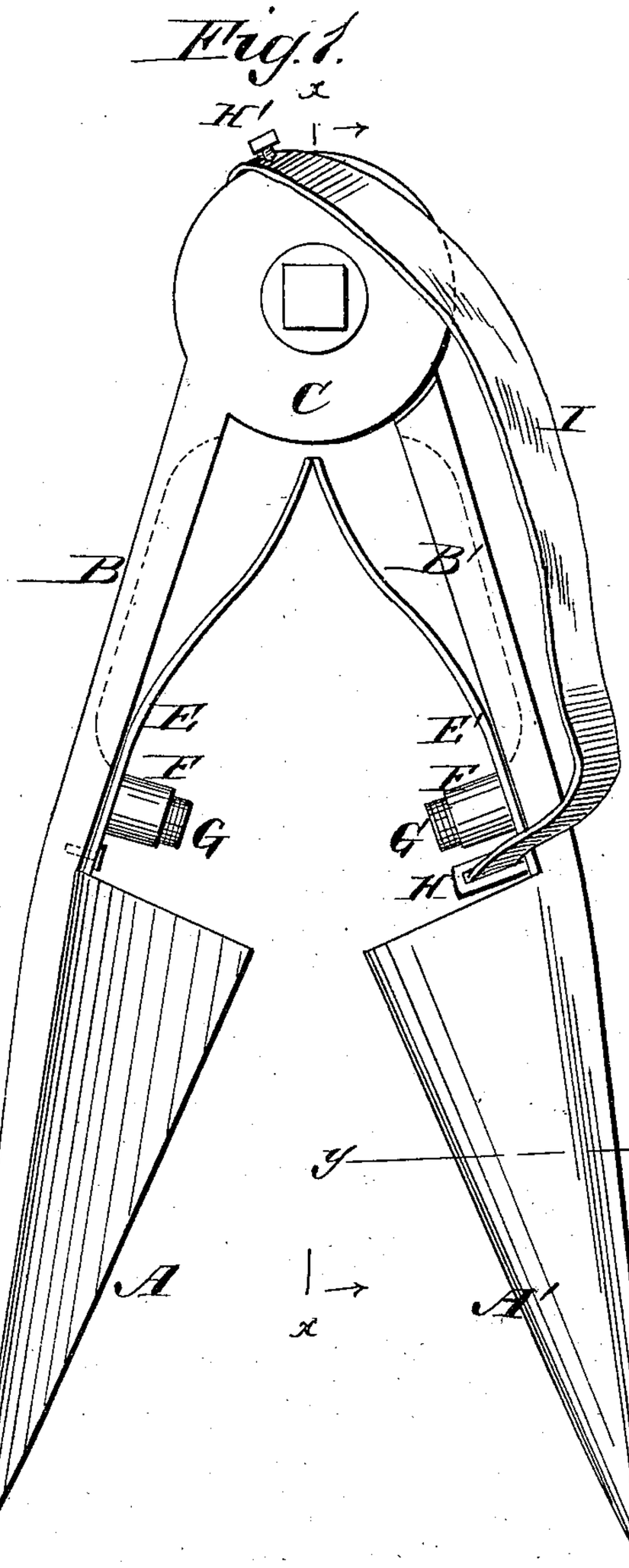

Fig. 2.

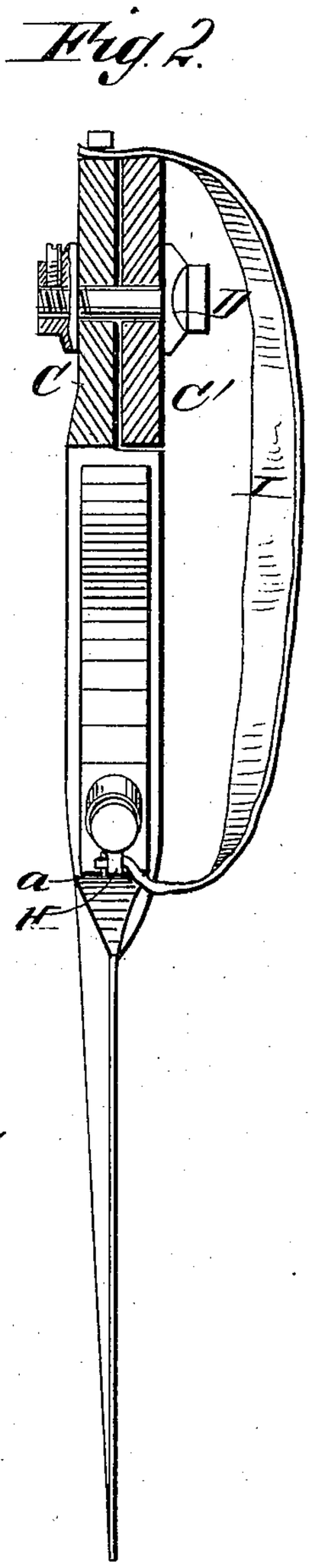

Fig. 3.

WITNESSES:

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UNITED STATES PATENT OFFICE.

ELIJAH KELLOGG, OF RENO, NEVADA.

SHEEP-SHEARS.

SPECIFICATION forming part of Letters Patent No. 323,691, dated August 4, 1885.

Application filed August 6, 1884. (Model.)

To all whom it may concern:

Be it known that I, ELIJAH KELLOGG, of Reno, in the county of Washoe and State of Nevada, have invented new and useful Sheep-Shears, of which the following is a full, clear, and exact description.

The object of my invention is to provide sheep-shears with a pivoted joint having large bearing-surfaces capable of supporting the shear-blades and of preventing them from being separated when doing heavy shearing.

The invention consists in the construction and arrangement of parts, as will be hereinafter fully described, and specifically set forth in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of my improved sheep-shears. Fig. 2 is a longitudinal section taken on the line *x x*, Fig. 1. Fig. 3 is a transverse section taken on line *y y* in Fig. 1.

The shear-blades A A′ are of the usual form and size, and are formed integrally with the handles B B′ and the disks C C′. The contact-surfaces of the disks C C′ are approximately in the same plane as the cutting-edges of the shears, and the disks are centrally apertured to receive the pivotal bolt D. Curved springs E, attached to the inner surfaces of the handles B B′, touch each other at their free end and tend to throw the shear-blades apart.

Each handle B is provided on the inner side, near the inner end of the plate, with a socket, F, receiving a rubber buffer-spring, G, which limits the inward movement of the blades. The handle B′ of the blade A′ is provided with a slotted stud, H, and the disk C of the blade A is provided with a stud, H′, for receiving the hand-strap I, which is secured at one end to the stud H′, while the other end is inserted in the slot of the stud H and secured by a pin, *a*.

In my improved shears the springs are made light, and the edges of the blades are allowed merely to contact with each other. Therefore the power required to operate the shears is very slight. The large bearing-surfaces of the joint formed by the disks C C′ prevent the blades from separating or overlapping each other, as is usually the case with the ordinary spring-bow shears. In my improved shears, if one blade becomes broken or out of order, it may be readily replaced by another, and by simply straightening out the blades the cutting-edges may be sharpened on an ordinary grindstone.

The contact-surfaces of my improved shears are less concave than in the spring-bow shears, and it is unnecessary to set the points inward toward each other to the extent required in spring-shears. As a consequence the cutting-edges wear longer and do not require frequent sharpening.

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

In an animal-shears, the combination, with the handle B′, provided on the forward end of its under side with a slotted stud, H, and the handle B, provided with a stud, H′, at the rear end of its outer side, of the strap I, secured to said studs, substantially as set forth.

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Witnesses:
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