

No. 711,355.

Patented Oct. 14, 1902.

H. SIDMAN.

CAN OPENER.

(Application filed Mar. 25, 1902.)

(No Model.)

Fig. 1.

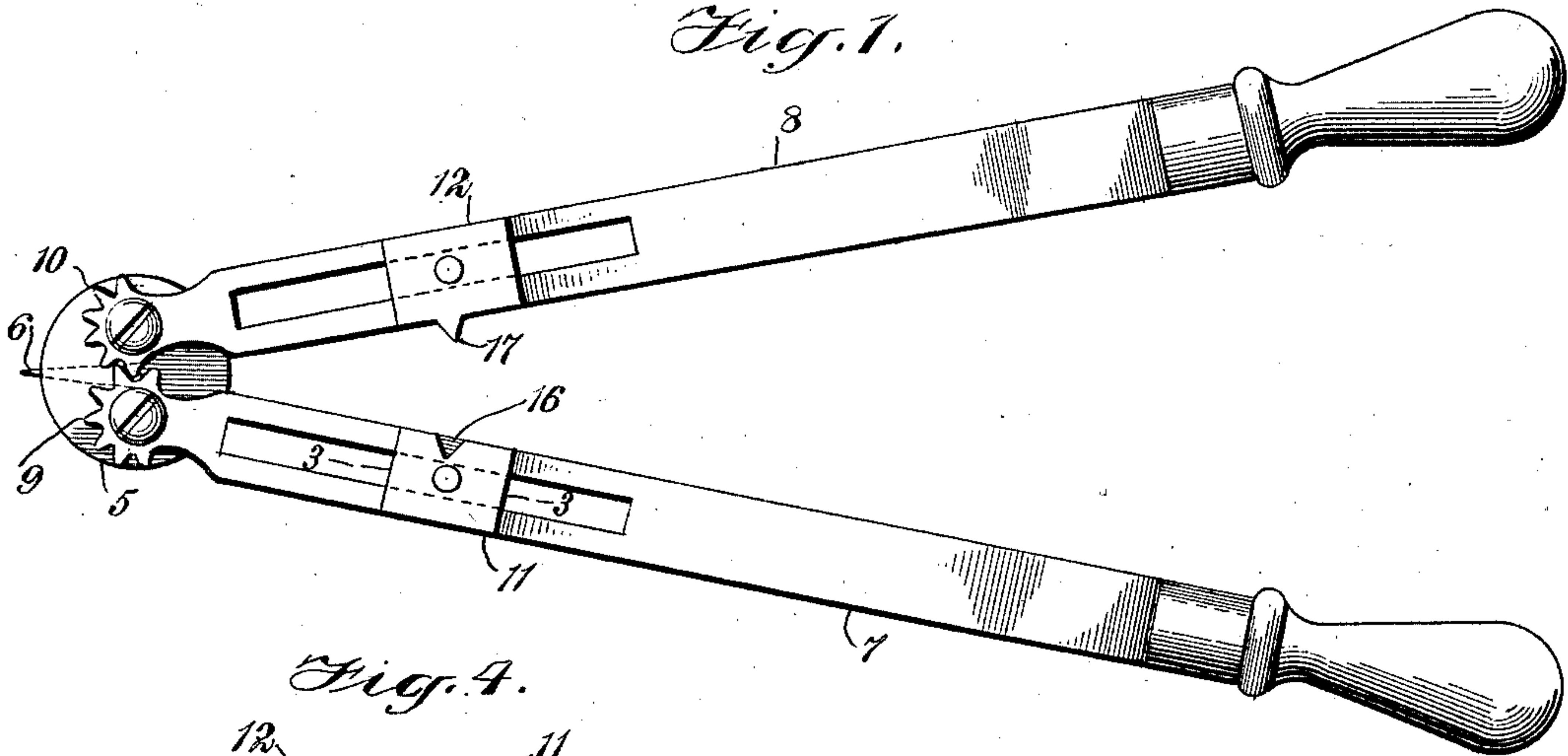


Fig. 4.

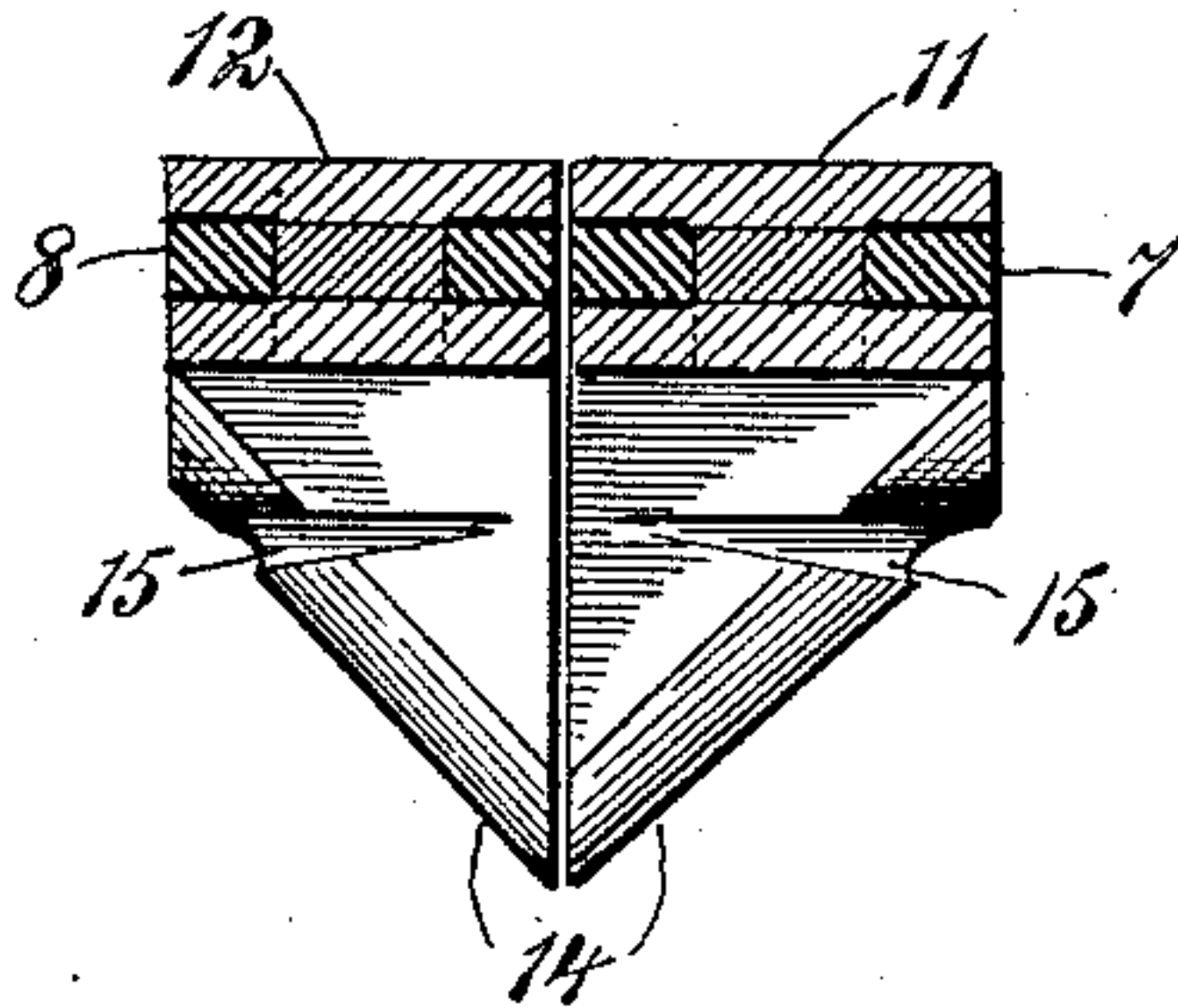


Fig. 2.

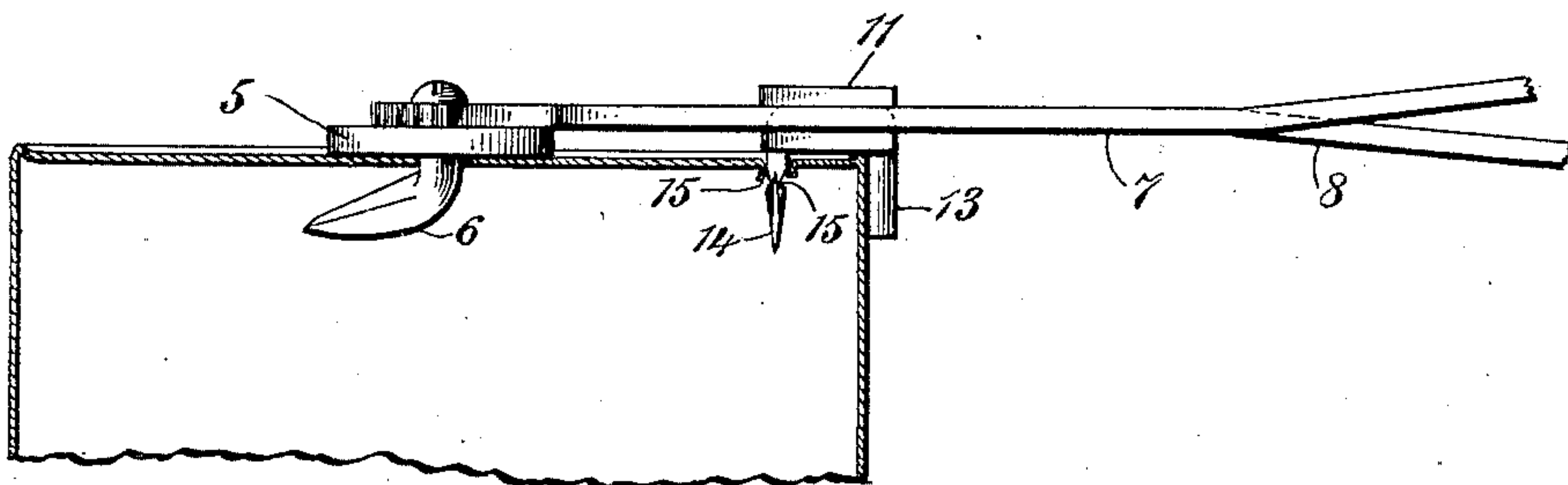
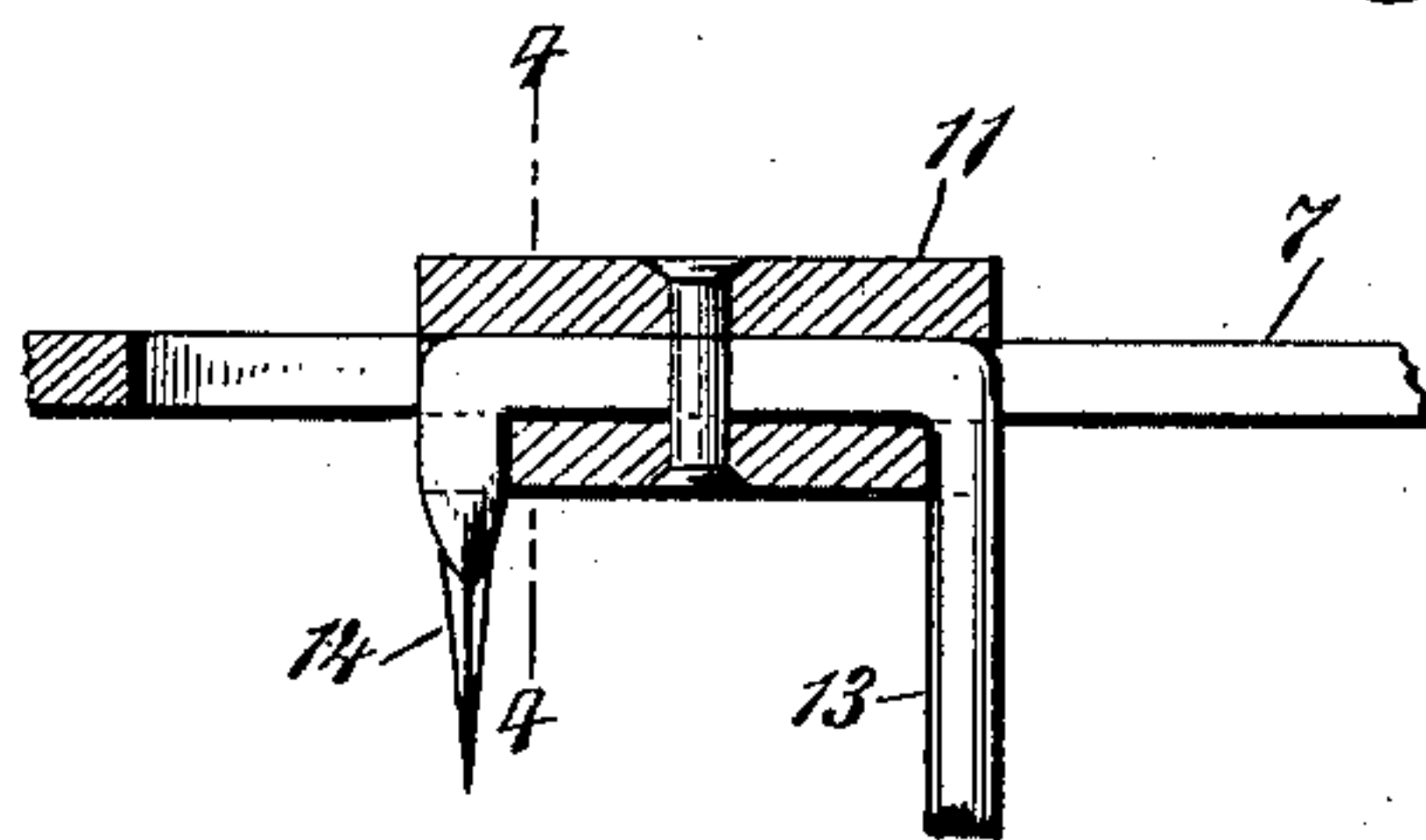


Fig. 3.



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HENRY SIDMAN, OF POMONA, NEW YORK.

CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 711,355, dated October 14, 1902.

Application filed March 25, 1902. Serial No. 99,896. (No model.)

To all whom it may concern:

Be it known that I, HENRY SIDMAN, a citizen of the United States, and a resident of Pomona, in the county of Rockland and State of New York, have invented a new and Improved Can-Opener, of which the following is a full, clear, and exact description.

This invention relates to improvements in devices for cutting the ends from metal cans; and the object is to provide a device for this purpose of simple construction and by means of which the end or top of the can may be quickly cut out and the edge of the metal turned or crimped to form a smooth surface not liable to scratch a person's fingers.

I will describe a can-opener embodying my invention and then point out the novel features in the appended claims.

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

Figure 1 is a plan view of a can-opener embodying my invention. Fig. 2 is an edge view thereof and showing the device in operative position. Fig. 3 is a section on the line 3 3 of Fig. 1, and Fig. 4 is a section on the line 4 4 of Fig. 3.

Referring to the drawings, 5 designates a fulcrum-plate having a hook-shaped point 6 designed to be forced through the top of a can at or near the center. Pivoted on this plate 5 are the cutter-carrying levers 7 8. To cause a quick movement of these levers relatively to each other, I provide them at their pivoted ends with gear connections 9 10. The levers are longitudinally slotted, and adjustable in the slots are blocks 11 12, each block having a guide-pin 13 for engaging against the outer surface of a can-body, and each block also carries a cutting-blade 14. The cutting-blades are provided on opposite sides with channels or grooves 15, which will receive the edge of the metal and turn the same inward, as plainly indicated in Fig. 2, thus forming a smooth edge around the ring of metal left in connection with the can-body. One block, here shown as the block 11, is provided with a notch 16 to receive a point 17 on the block 12. When the levers are close

together, as in starting the cutting of the can-top, the point 17 will enter the notch 16, thus insuring the cutting devices being at the proper distance from the can edge.

In operation the point 6 is to be inserted through the can-top, as before mentioned. Then the levers carrying the cutters are moved in opposite directions around the can-top, and by this means it is obvious that the can-top may be cut out much more quickly than is possible with a single lever. The gear connections 9 and 10 not only cause the movements of the levers together, but by such arrangement a can may be held by one hand and one of the levers operated by the other hand, and the lever so operated will cause a movement of the other lever.

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

1. A can-opener comprising two levers, cutting-blades carried by the levers, and gear connections between the levers, substantially as specified.

2. A can-opener comprising a fulcrum-plate, a point carried by said plate, levers pivotally connected to the plate, gear connections between the pivoted ends of the levers, blocks mounted to slide on the levers, and cutting-blades carried by the blocks, substantially as specified.

3. A can-opener comprising a fulcrum-plate, a point attached to the plate, levers pivotally connected to the plate, gear connections between the pivoted ends of the levers, the said levers being provided with longitudinal slots, blocks movable in said slots, cutting-blades carried by the blocks, and guide-pins carried by the blocks, substantially as specified.

4. A can-opener comprising a fulcrum-plate, a point attached to said plate, levers mounted to swing on the plate, blocks adjustable on the levers, one of said blocks having a notch and the other block having a point to engage in the notch of the first-named block, and cutting-blades carried by the blocks, substantially as specified.

5. A can-opener comprising a fulcrum-plate, a point attached to said plate, levers

mounted to swing on the plate, the said levers
being longitudinally slotted, blocks movable
in said slots, one of said blocks being provided
with a notch, a projection on the other block
5 for engaging in said notch, cutters carried
by the blocks, and guide-pins carried by the
blocks, substantially as specified.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

HENRY SIDMAN.

Witnesses:

JNO. M. RITTER,
C. R. FERGUSON.