

(No Model.)

2 Sheets—Sheet 1.

A. BAUMGARTEN & M. REDLINGER, Jr.
LEMON SQUEEZER.

No. 593,548.

Patented Nov. 9, 1897.

Fig. 1.

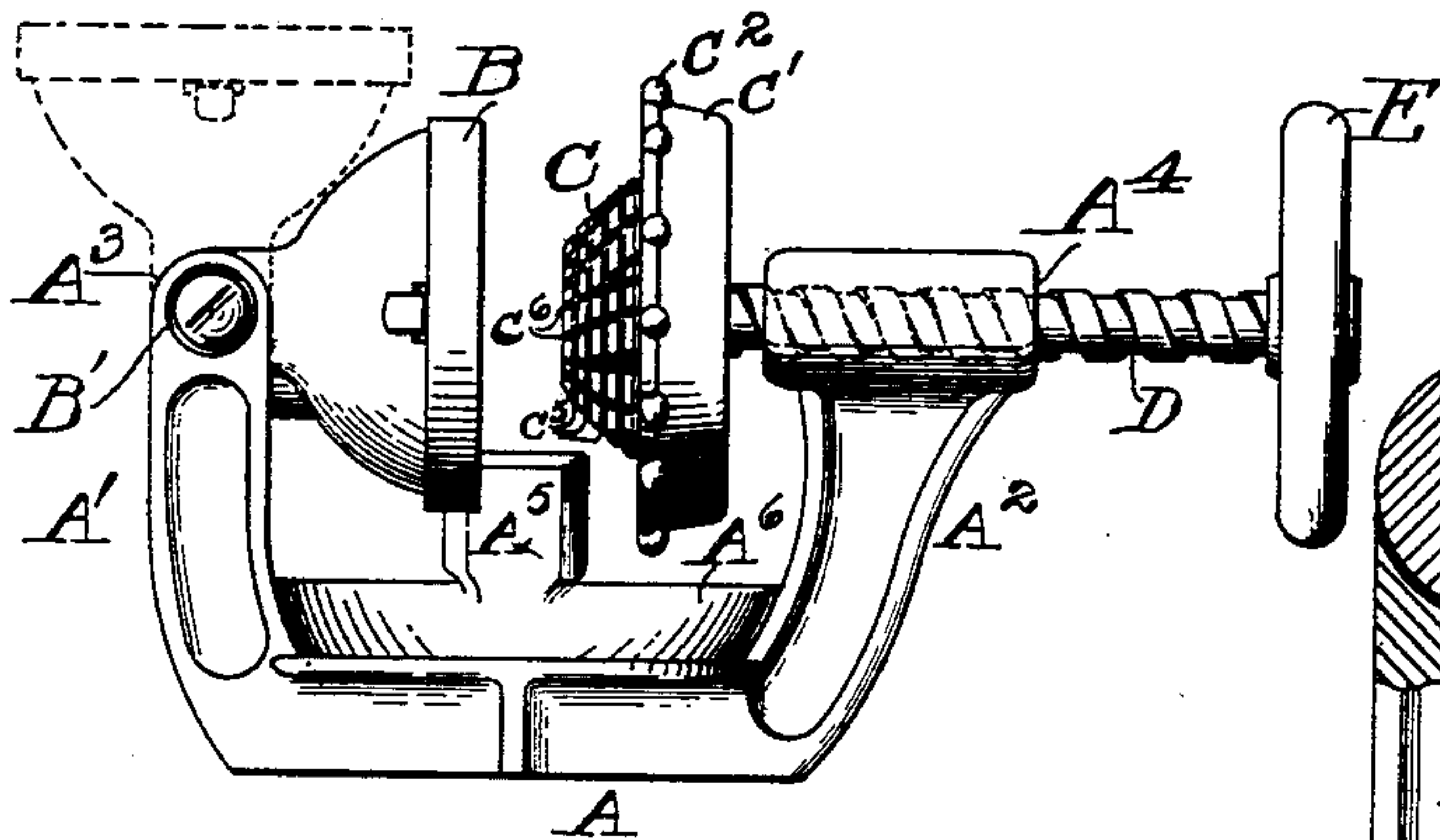


Fig. 2.

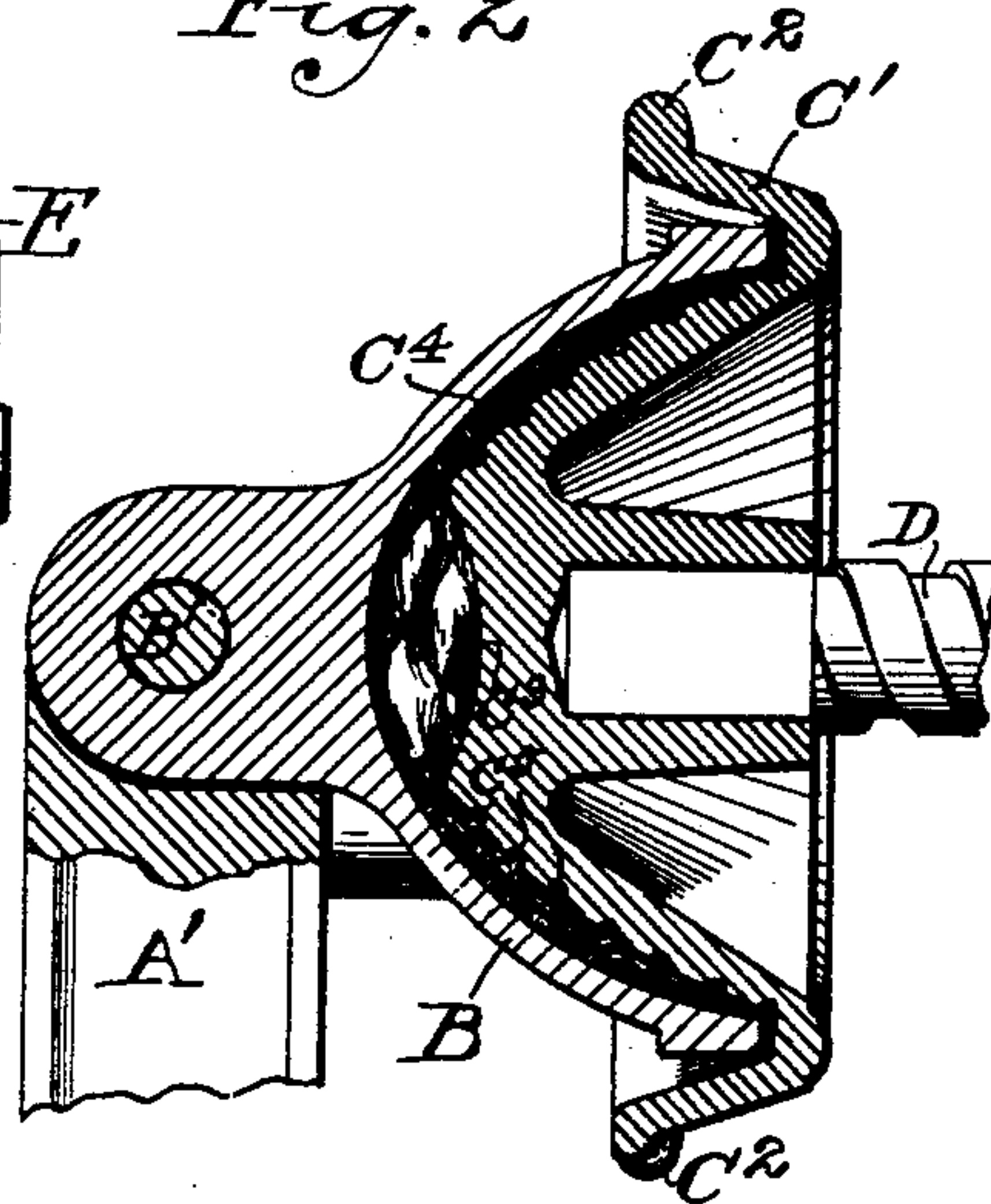


Fig. 3.

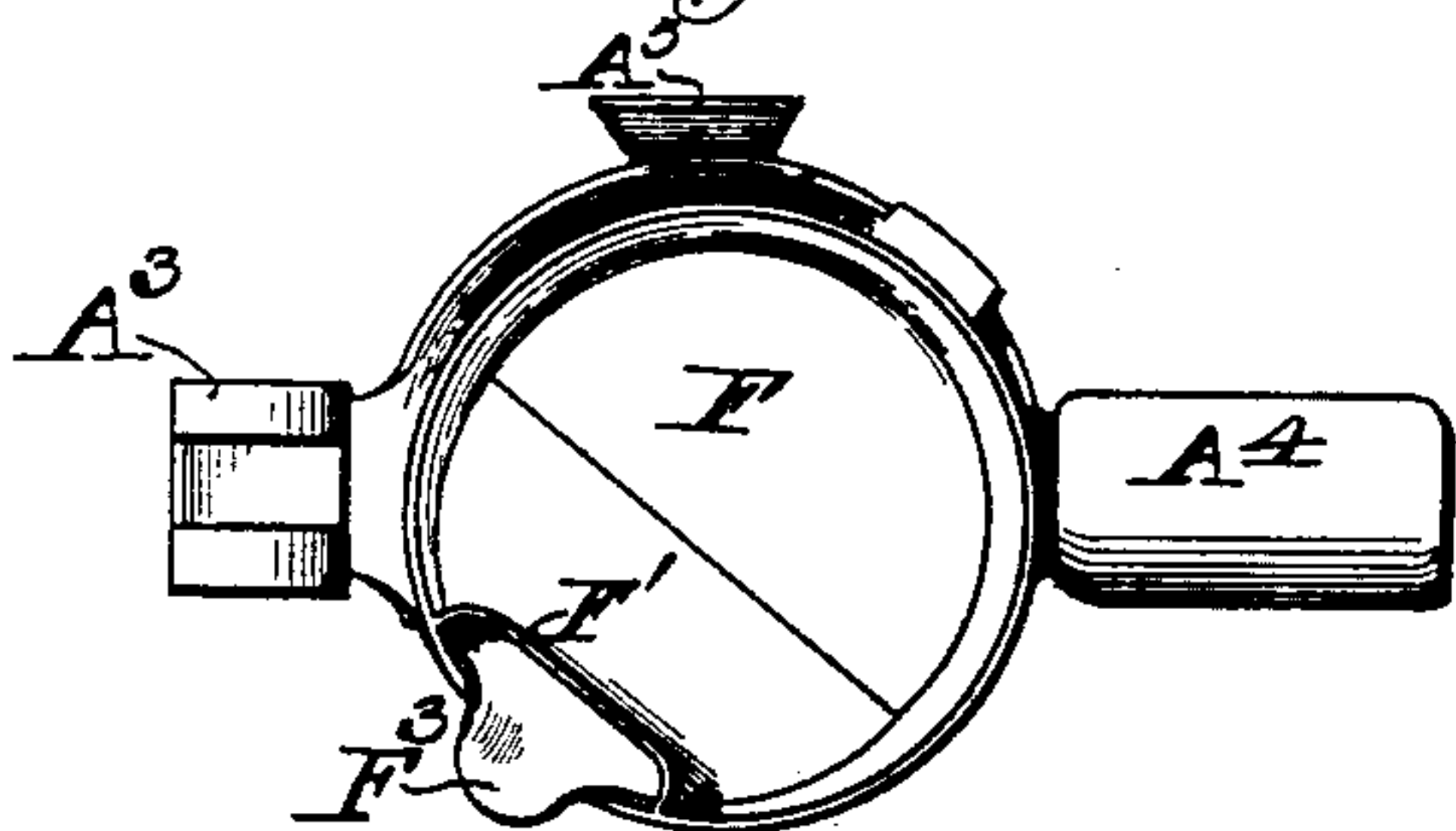
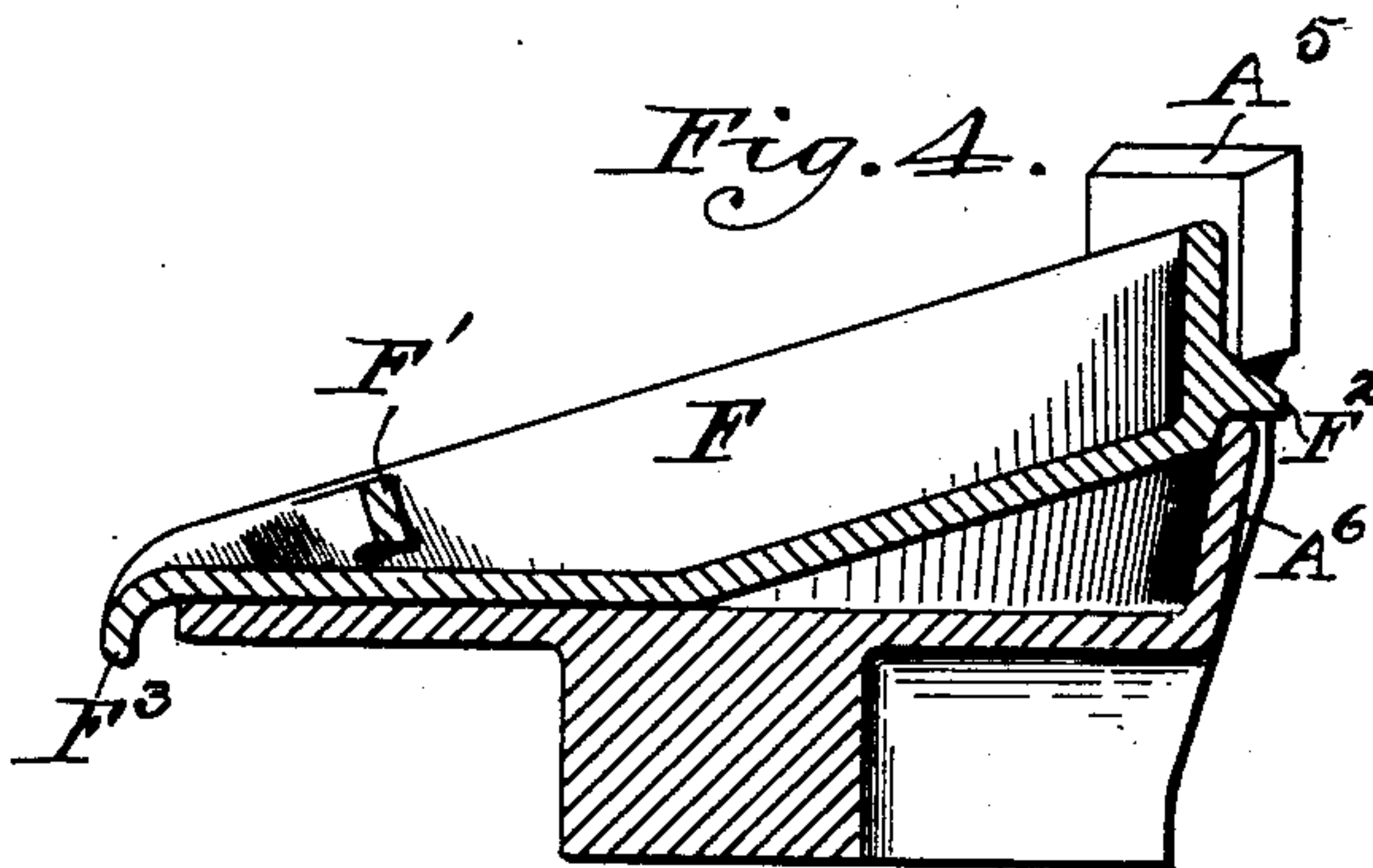


Fig. 4.



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Fig. 5.

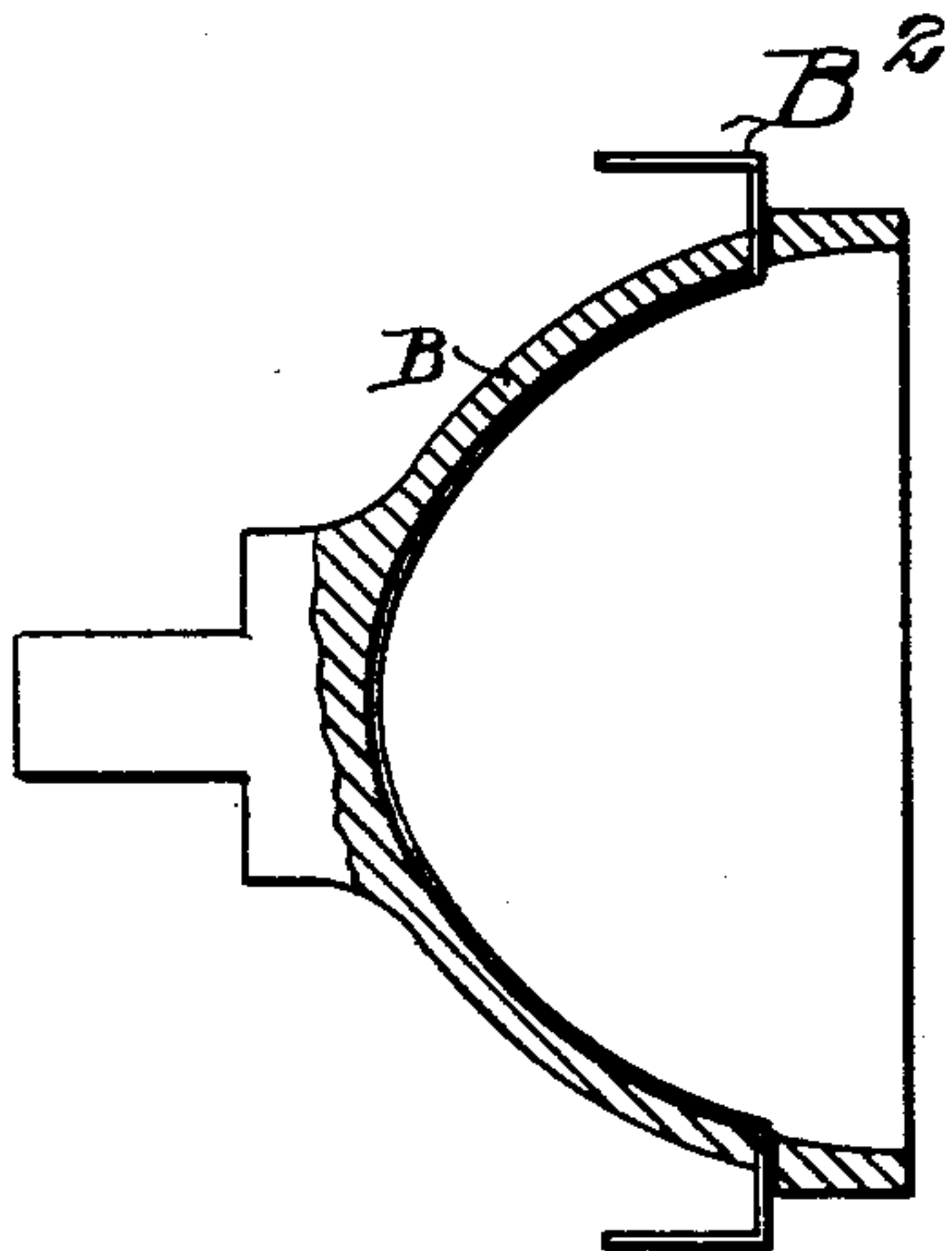


Fig. 6.

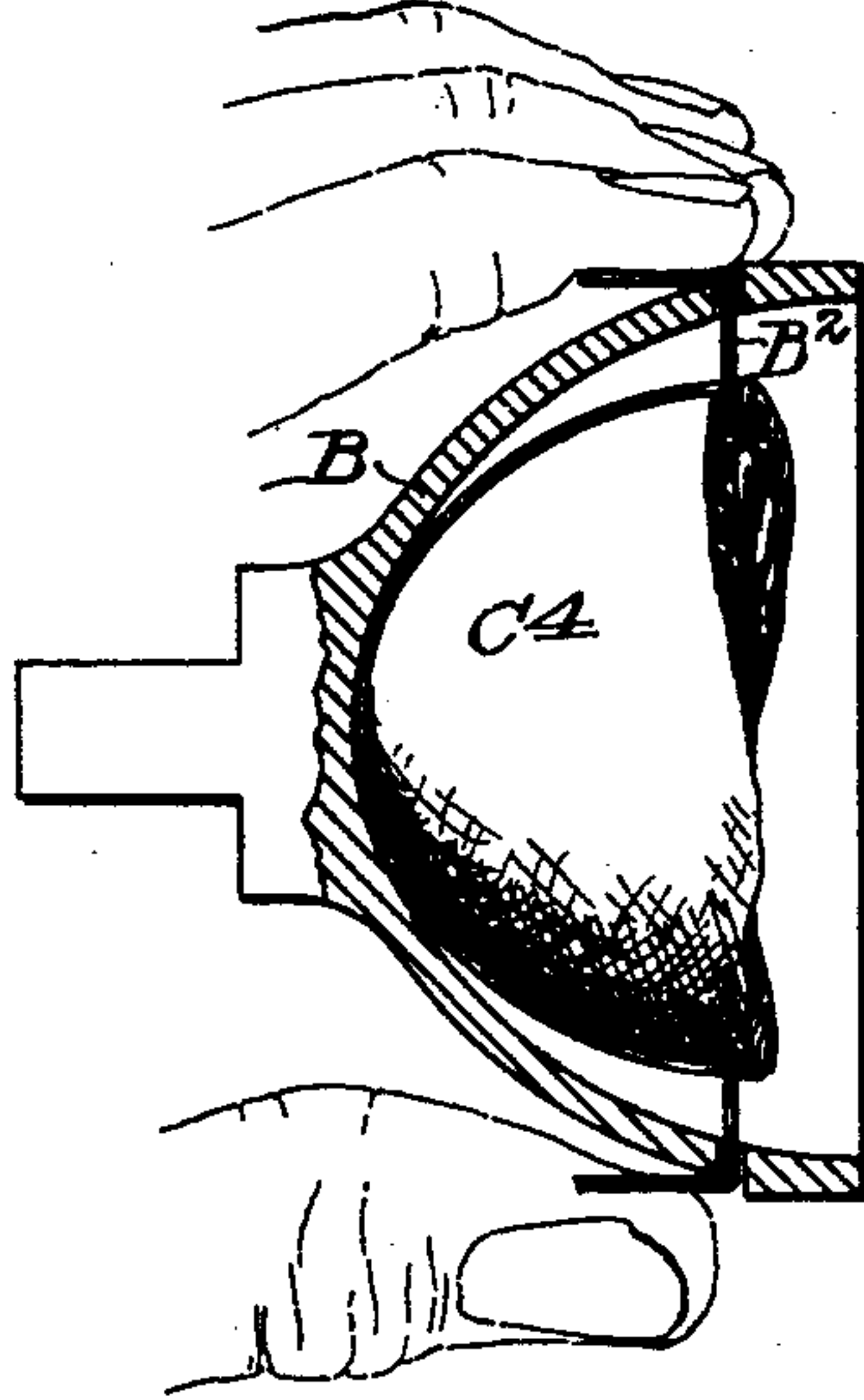


Fig. 7.

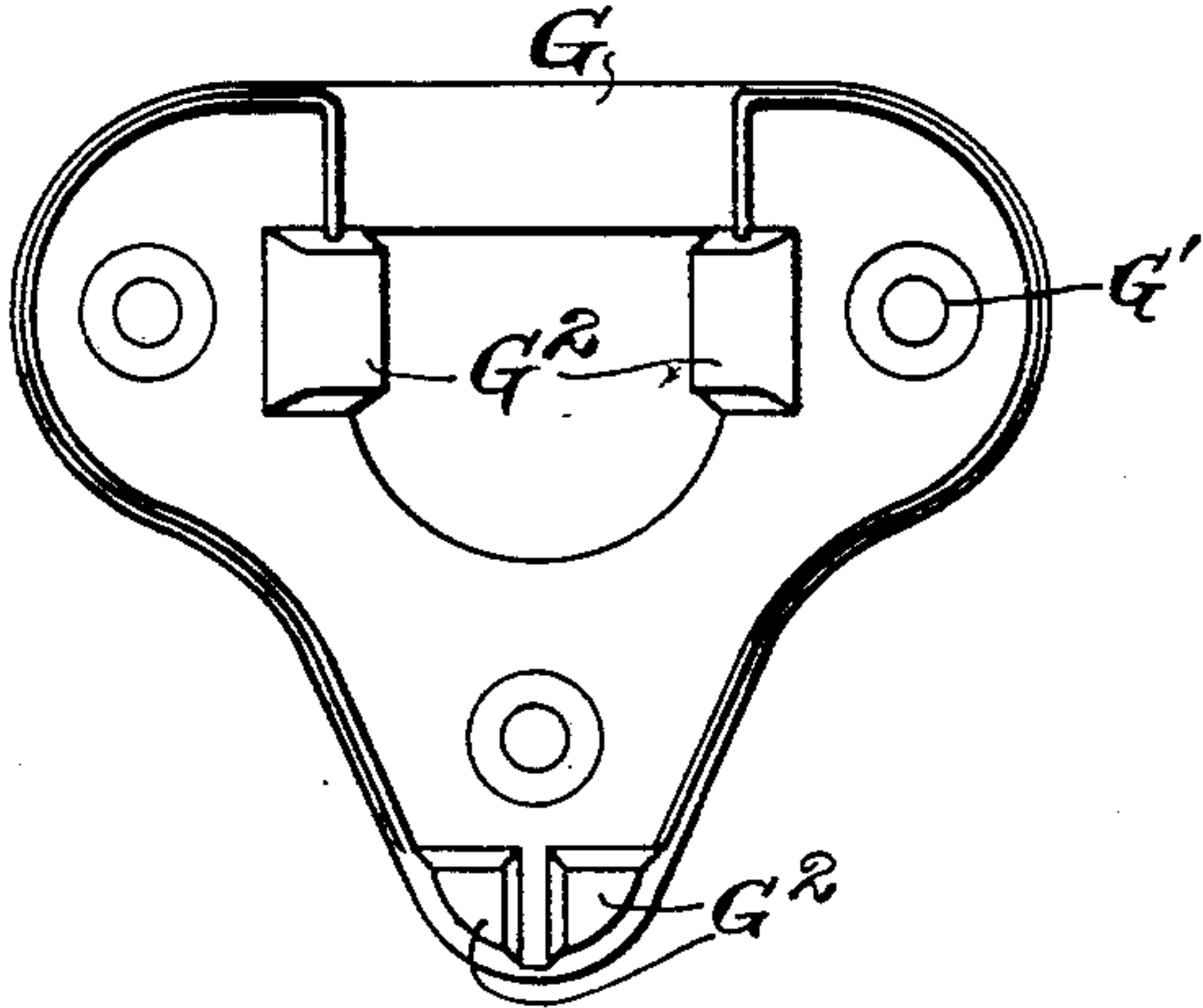


Fig. 8.

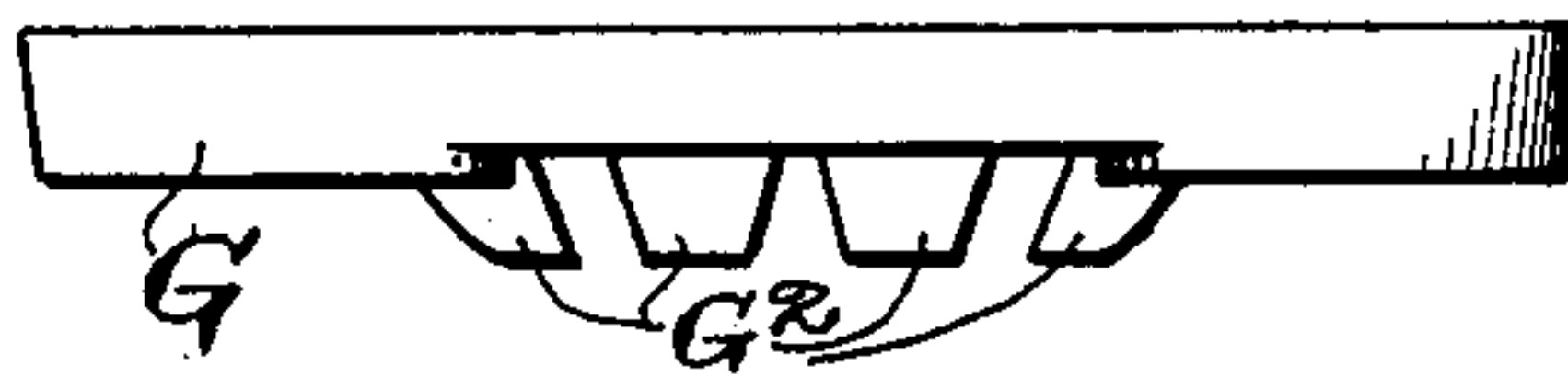
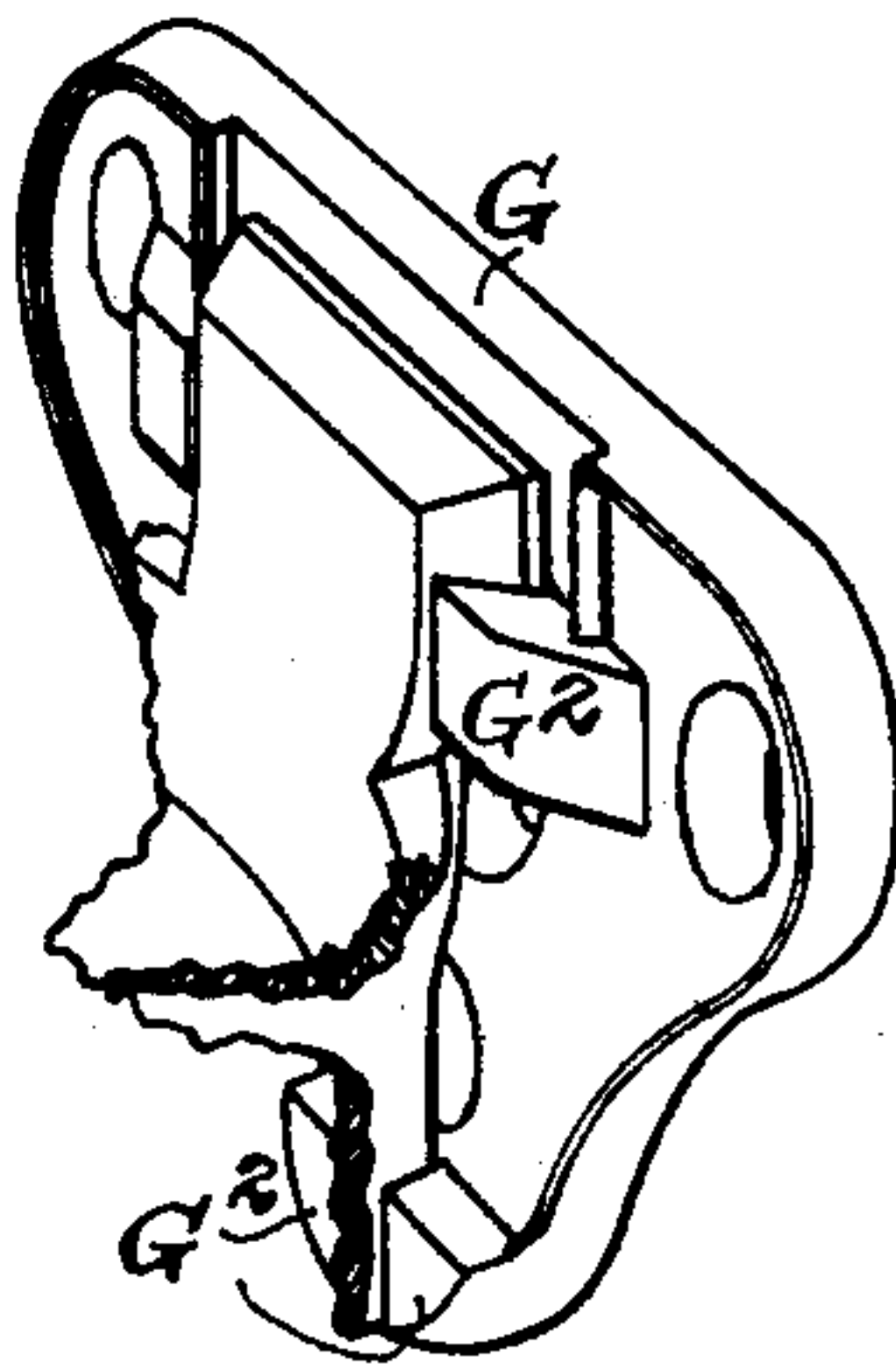


Fig. 9.



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UNITED STATES PATENT OFFICE.

ALBERT BAUMGARTEN AND MATHIAS REDLINGER, JR., OF FREEPORT,
ILLINOIS.

LEMON-SQUEEZER.

SPECIFICATION forming part of Letters Patent No. 593,548, dated November 9, 1897.

Application filed June 15, 1897. Serial No. 640,913. (No model.)

To all whom it may concern:

Be it known that we, ALBERT BAUMGARTEN and MATHIAS REDLINGER, Jr., citizens of the United States, residing at Freeport, in the county of Stephenson and State of Illinois, have invented certain new and useful Improvements in Lemon-Squeezers, of which the following is a specification.

The object of our invention is the production of a lemon-squeezer adapted for use where lemons are used in considerable quantities; and it consists of certain new and useful features of construction and combinations of parts hereinafter fully described, and specifically pointed out in the claims.

In the accompanying drawings, which form a part of this specification, Figure 1 is a side elevation of our squeezer, showing in dotted lines the position of the holder when turned upward for receiving the half-lemon to be squeezed. Fig. 2 is a vertical central section through the lemon-holder and the follower, showing a half-lemon squeezed therein. Fig. 3 is a plan view of the frame of the squeezer and the receptacle for receiving the juice from the lemon. Fig. 4 is a vertical central section through the receiving-receptacle and a portion of the frame of the squeezer. Fig. 5 is a section through the holder on a horizontal plane, a little above its center, showing the retaining-spring therein. Fig. 6 is a view of the same parts, a half-lemon being grasped by the retaining-spring. Fig. 7 is an elevation of the bracket for attaching the squeezer on the side of a bar, refrigerator, or other upright. Fig. 8 is a plan view of the said bracket. Fig. 9 illustrates the manner of connection between the supporting-bracket and the squeezer-frame, by means of which the squeezer may be removed from the bracket.

Like letters of reference indicate corresponding parts throughout the several views.

A is the base portion of the frame of the mechanism, and it is provided with two upwardly-projecting arms A' A², the former furnished with jaws A³ and the latter having an interiorly-threaded bearing A⁴, extending therethrough.

A⁵ is a wedge-shaped supporting-lug integral with the base A.

B is a hollow conoid-shaped holder pivot-

jointed by its apex by means of a bolt B' to the jaws A³ on the free end of the arm A'.

B² is a curved horizontally-placed flat retaining-spring lying within and conforming to the interior wall of the holder B, capable of being compressed by force properly applied at its outer ends, which ends bending outward extend through openings in the sides of the holder B.

C is a rotatable follower in form of a truncated cone having an annular shielding-ring C' about its base for preventing the spurting of the lemon-juice, which ring is provided on its periphery with a series of auxiliary driving-knobs C². This follower C is adapted to enter the holder P and to squeeze a half-lemon within the latter. The crown of the truncated cone of the follower C is provided with a slight depression or pocket C³ for receiving the seeds of the lemon C⁴, Fig. 2, as the juice is being squeezed therefrom, retaining the seeds and preventing them from mixing with the lemon-juice. The surface of the cone of the follower C is traversed by the concentric grooves C⁵ and the transverse grooves C⁶, which latter extend from the base of the cone upward toward its crown. This roughening of the surface of the cone C not only permits the extraction of a larger proportion of the juice from the fruit, but the grooves offer channels for the quick delivery of the juice.

D is a screw fast by one end to the base of the follower C and mounted in the bearing A⁴ in the arm A².

E is a hand-wheel for driving the follower C and is fast to the free end of the screw D.

F is a lemon-juice receptacle having a strainer F' therein and provided with a lug F² for engaging with the flange A⁶ on the base of the frame A for the purpose of sustaining the cup in a tilted position when it is desirable to transfer the juice of the lemon directly to bottles or glasses without permitting it to collect in the receptacle F. The bottom of the receptacle is given an inclination at the side adjacent to the pouring-lip F³ to permit the juice to immediately drain out when the receptacle occupies the tilted position illustrated in Fig. 4.

G is a bracket for attaching the squeezer to a vertical support, provided with openings

G' for affixing screws and having in its face the wedging-lugs G² for receiving the integral wedge A⁵ of the frame-base A.

The squeezer is operated as follows: The holder B is tilted to the position shown by dotted lines in Fig. 1. One-half of a lemon is then placed therein and the holder B is returned to the position shown by solid lines, Fig. 1, the half-lemon being retained within the follower meanwhile by the compression of the ends of the spring B² between the finger and thumb of the operator. The follower C is then rotated by means of the hand-wheel E until it assumes the position shown in Fig. 2. Additional power may be obtained for driving the follower C by placing the fingers of the left hand upon the auxiliary driving-knobs C² and thereby aiding in its rotation. The squeezer may be operated while supported in its bracket or when resting upon a table or counter.

We claim—

1. In a lemon-squeezer, in combination, a frame, a holder pivot-jointed thereto, a retaining-spring within the holder, a rotatable follower adapted to enter the holder, and a screw mounted in the frame for driving the follower into the holder, substantially as and for the purpose specified.

2. In a lemon-squeezer, in combination, a frame consisting of a base portion and two upwardly-projecting arms integral therewith, a holder pivot-jointed to the free end of one of the upwardly-projecting arms, a rotatable follower in form of a truncated cone and adapted to enter the holder, a screw, mounted in an interiorly-threaded bearing in the free end of the remaining upwardly-projecting arm, for driving the follower into the holder, substantially as and for the purpose specified.

3. In a lemon-squeezer, in combination, a frame consisting of a base portion and two upwardly-projecting arms integral therewith, a holder pivot-jointed to the free end of one of the upwardly-projecting arms, a curved flat retaining-spring lying within the holder and projecting therefrom at opposite sides thereof, a rotatable follower, in form of a truncated cone and adapted to enter the holder, a screw, mounted in an interiorly-threaded

bearing in the free end of the remaining upwardly-projecting arm, for driving the follower into the holder, substantially as and for the purpose specified.

4. In a lemon-squeezer, in combination, a frame consisting of a base portion and two upwardly-projecting arms integral therewith, a hollow conoid-shaped holder pivot-jointed by its apex to the free end of one of the upwardly-projecting arms, a rotatable follower, in form of a truncated cone and adapted to enter the holder, a screw fast by one end to the base of the follower and mounted in an interiorly-threaded bearing in the free end of the remaining upwardly-projecting arm, a hand-wheel fast to the outer end of the screw, substantially as and for the purpose specified.

5. In a lemon-squeezer, in combination, a frame consisting of a base portion and two upwardly-projecting arms, a hollow conoid-shaped holder pivot-jointed by its apex to the free end of one of the upwardly-projecting arms, a rotatable follower, in form of a truncated cone—having an annular flange thereon provided with a series of auxiliary driving-knobs—and adapted to enter the holder, a screw fast by one end to the base of the follower, and mounted in an interiorly-threaded bearing in the free end of the remaining upwardly-projecting arm, a hand-wheel fast to the outer end of the screw and the receptacle for receiving the lemon-juice after the same has been expressed by the squeezer, substantially as and for the purpose specified.

6. In a lemon-squeezer, in combination, a frame, a cup-shaped holder thereon adapted to receive a half-lemon, a rotatable cone-shaped follower adapted to enter the holder and substantially conform to the interior thereof which follower has a bur-like surface and a receptacle at its forward end for receiving the lemon-seeds, and a screw mounted in the frame for driving the follower into the holder, substantially as and for the purpose specified.

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