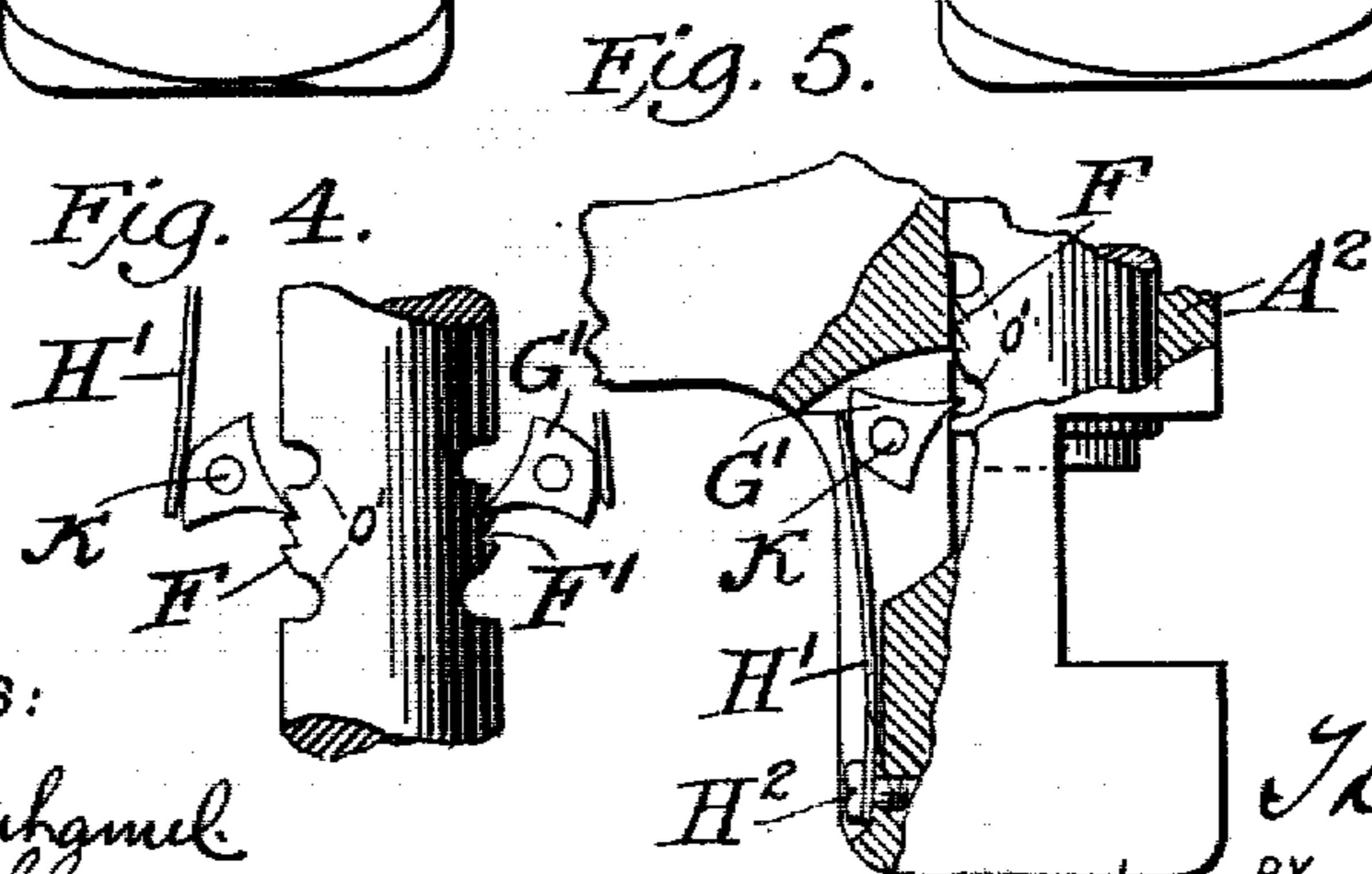
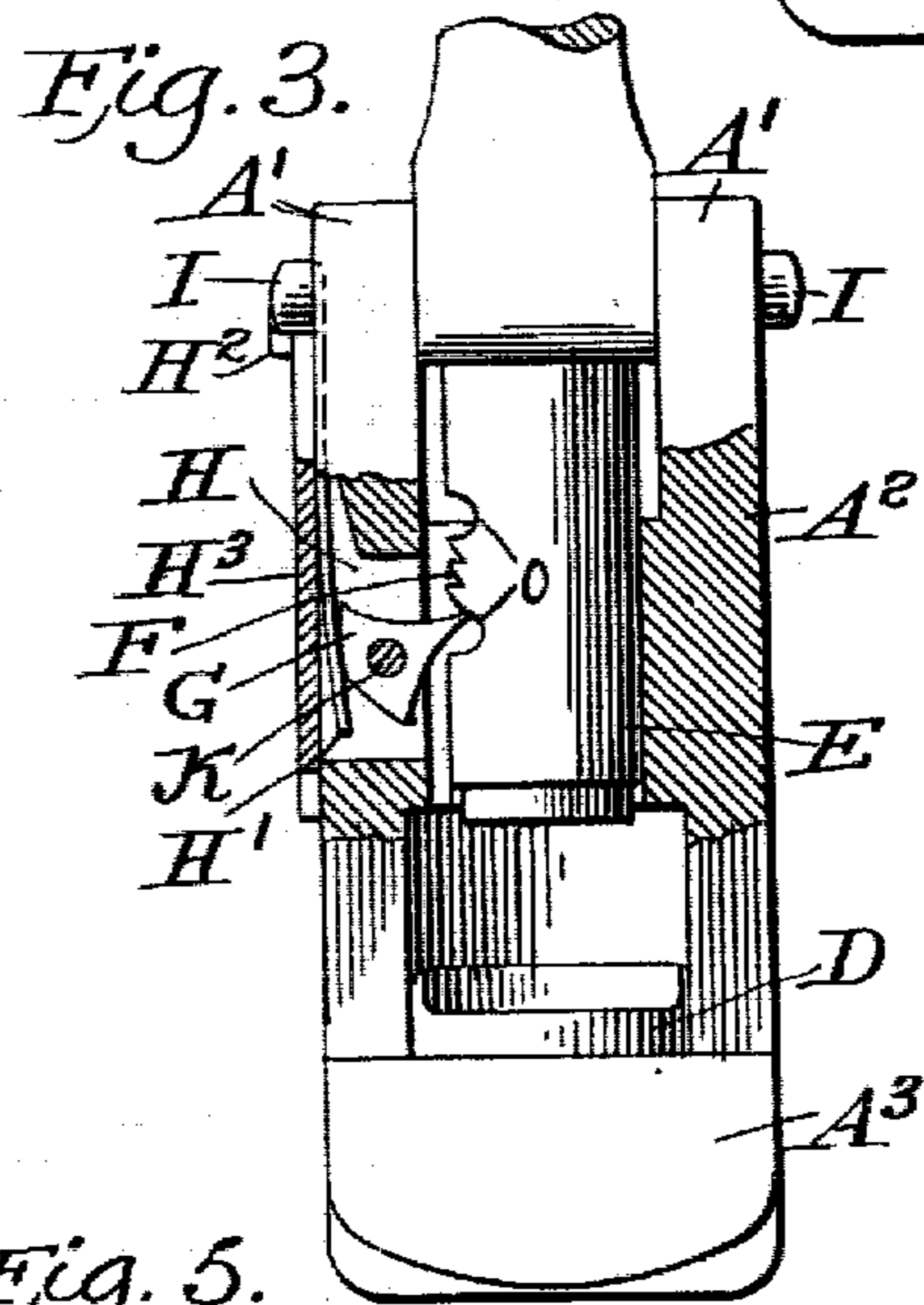
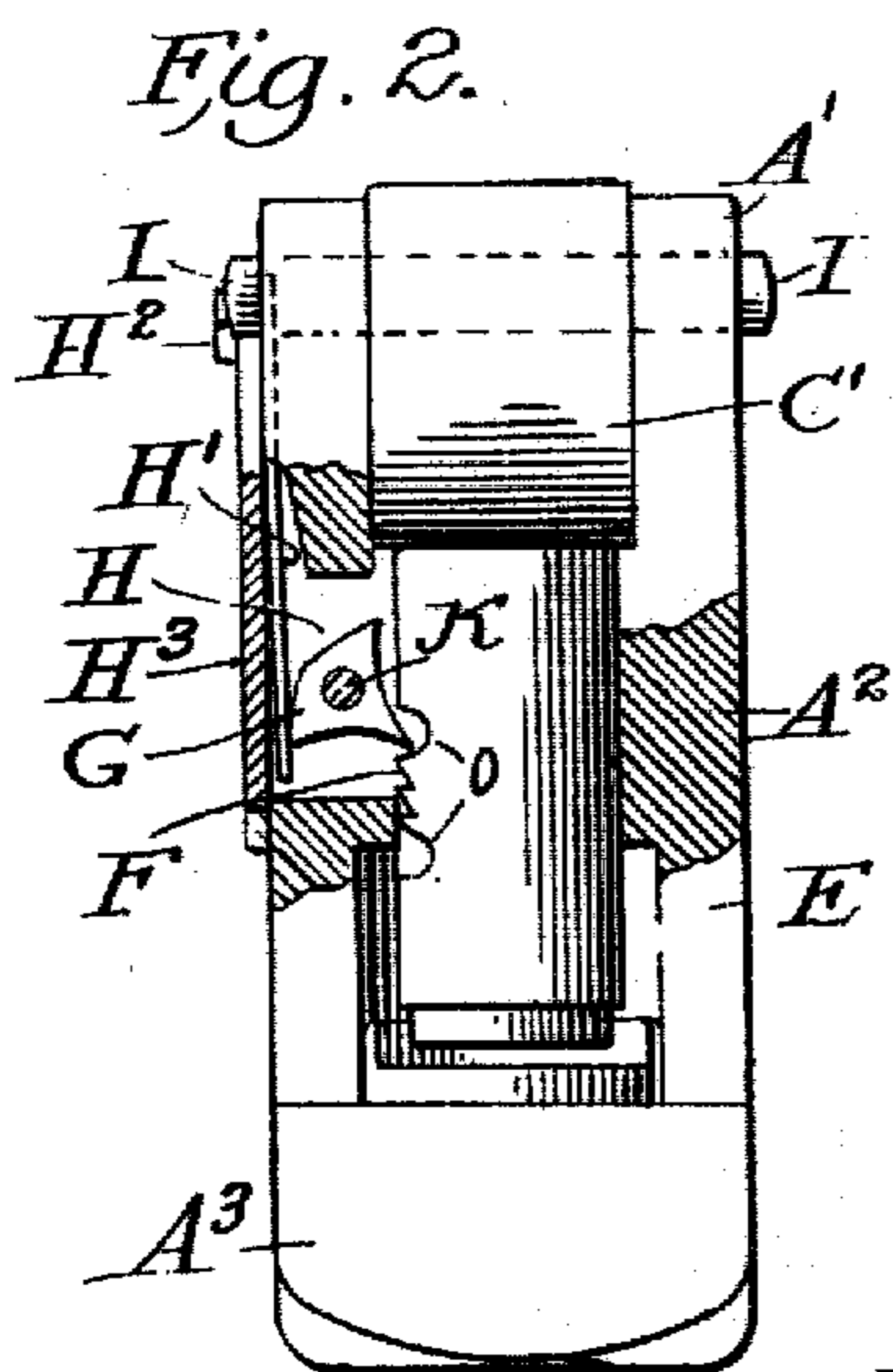
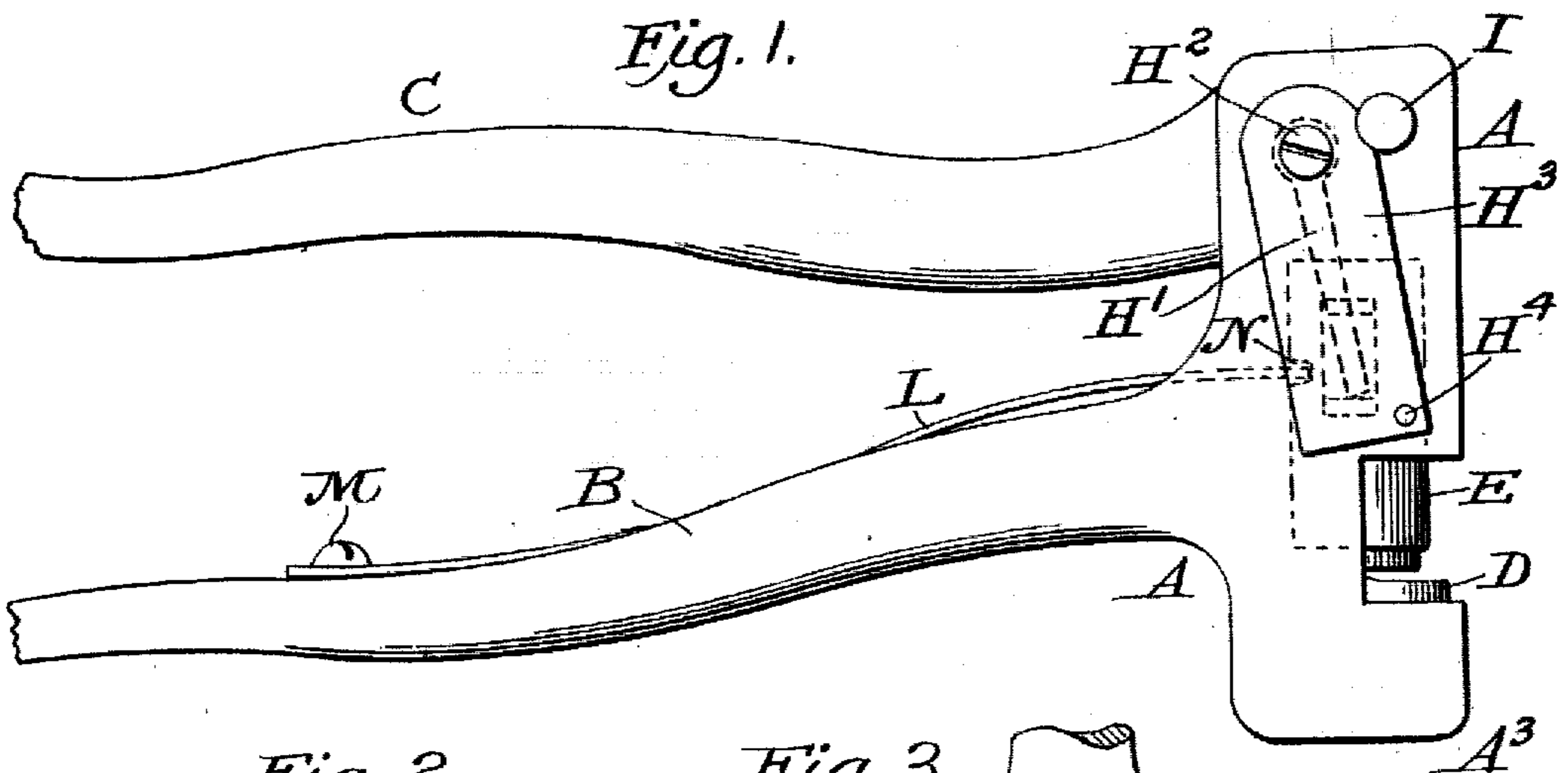


No. 827,132.

PATENTED JULY 31, 1906.

T. WENK.
PRESS FOR SEALS.
APPLICATION FILED APR. 4, 1901.



WITNESSES:

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THEODORE WENK, OF BROOKLYN, NEW YORK, ASSIGNOR TO HENRY L. C. WENK, OF BROOKLYN, NEW YORK.

PRESS FOR SEALS.

No. 827,132.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed April 4, 1901. Serial No. 54,301.

To all whom it may concern:

Be it known that I, THEODORE WENK, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Presses for Seals; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to presses for seals, having among its objects to provide an improved form of press involving the use of a reversible pawl engaging ratchet-teeth and reversing in notches at the ends of said ratchet-teeth.

Therefore my invention consists in a press for seals involving the novel features and combinations of parts hereinafter described and claimed.

In the accompanying drawings, illustrating my invention, Figure 1 is a view in elevation of my improved press. Fig. 2 is a rear end view of the press with a portion of the body broken away and showing the movable die in its sealing position. Fig. 3 is a similar rear end view of the press, showing the movable die lifted. Figs. 4 and 5 represent modifications of the invention.

A denotes the body of the press, which is of any desired form and provided with the usual central passage and opening at the front for the insertion of the seal. To the rear of said opening is an integral handle B. Adjacent said handle and in the body A is a recess H, opening into the central passage, while removably seated in the bottom of said passage is a bed-die D. At the upper extremity of the body A are forked portions A' A', perforated to receive a pin I, pivoting an upper movable handle C, which is adapted to be pressed toward the handle B and has upon its pivotal end an eccentric or cam C'.

Actuated by the cam C' on the movement of the handle C and reciprocating within the central passage of the body A is a movable die E, having a series of ratchet-teeth F upon the intermediate portion of its side and deep notches O at the ends of said series of teeth, said notches being deeper than the ratchet-teeth F in order to allow on the completion of the reciprocal movement of the die E the re-

versal of a pawl G, whose point rests in said notches. Said pawl G, carried by a pivot K in the recess H, is adapted to engage in the ratchet-teeth F and through the aid of a tension-spring H', carried by the body A, to prevent the retraction of the movable die E in the central passage until said die has completed its downward movement. The upper extremity of said spring H' is secured to the body A by a screw H², which in combination with a pin H⁴ also secures a housing-plate H³, which extends diagonally across the side of the body A and incloses the pawl G and the spring H' within the recess H. Adjacent said spring H' and secured at one extremity to the handle B by a screw M is a larger horizontal spring L, which engages in a recess in the rear of the movable die E and performs a lifting function, automatically elevating said movable die E when the handles B and C are so far separated that the cam C' no longer bears upon the head of said movable die.

The operation of my improved press is as follows: With the press in the position shown in Fig. 3 the seal is brought between the dies either by the movement of the seal or the press. The handle C is pressed toward the handle B, forcing the cam C' at the pivotal end of said handle C upon the head of the movable die E, causing the latter to traverse the passage in the body of the press A, thus compressing the seal between the dies D and E. By this movement of the die E the spring-pressed pawl G, whose point rests in the notch O, is reversed and held in such a position as to engage the ratchet-teeth F, thus preventing the retraction of the die E until the completion of its downward movement, when said pawl drops into the upper notch O, as shown in Fig. 2. Then on the separation of the handles the movable die E, through the spring L, again reverses the pawl G and is returned to the original position shown in Fig. 3.

Some of the many advantages of my improved press readily appear from the foregoing description and operation. Foremost among them is the utilization of a reversible pawl, ratchets engaged by said pawl, notches at the ends of said ratchets allowing the reversal of said pawl. Said construction allows greater freedom to the operator, since regardless of the movement of the handles the pawl is held in engagement with the ratchet-teeth,

and the movable die is thus prevented from retraction in the central passage until the completion of the sealing movement.

In a modification of the invention shown in Fig. 4 the movable die is provided with a spring, pawl, and ratchet on either side, while in another modification of the press (shown in Fig. 5) the spring, pawl, and ratchet are located at the rear of the body A, any number of modifications being possible so long as in accordance with the spirit of the invention.

What I claim as my invention, and desire to secure by Letters Patent, is—

A seal-press having a movable die provided

directly with a ratchet device comprising a longitudinal series of ratchet-teeth and a pair of reversing-notches at the respective ends of the series, in combination with a spring-pressed pawl arranged to engage with said teeth, and a relatively fixed pivot on which said pawl is reversible.

In testimony whereof I have hereunto affixed my signature in presence of two witnesses.

THEODORE WENK.

Witnesses:

JAMES R. ROGERS,
M. L. SHAY.