

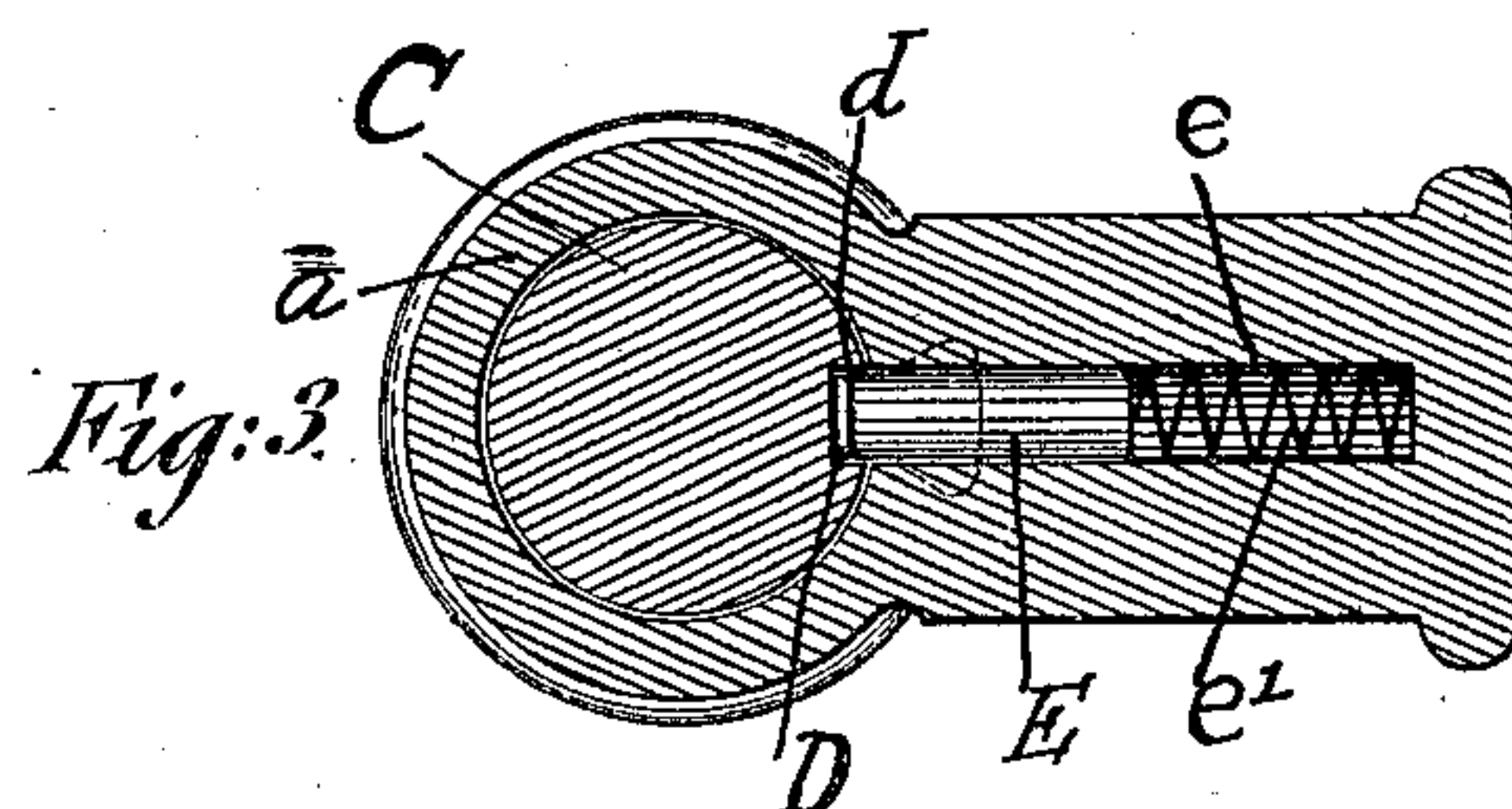
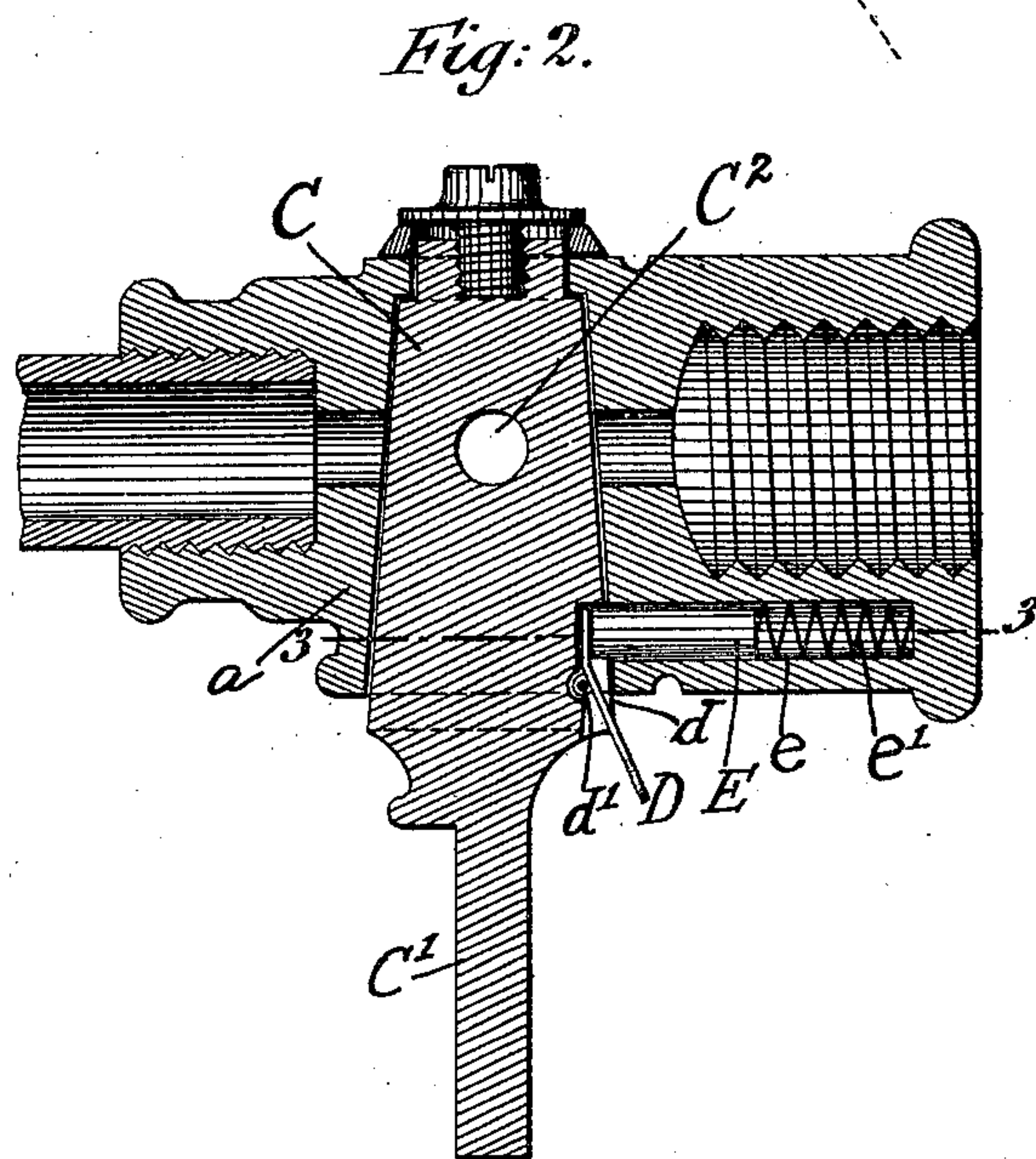
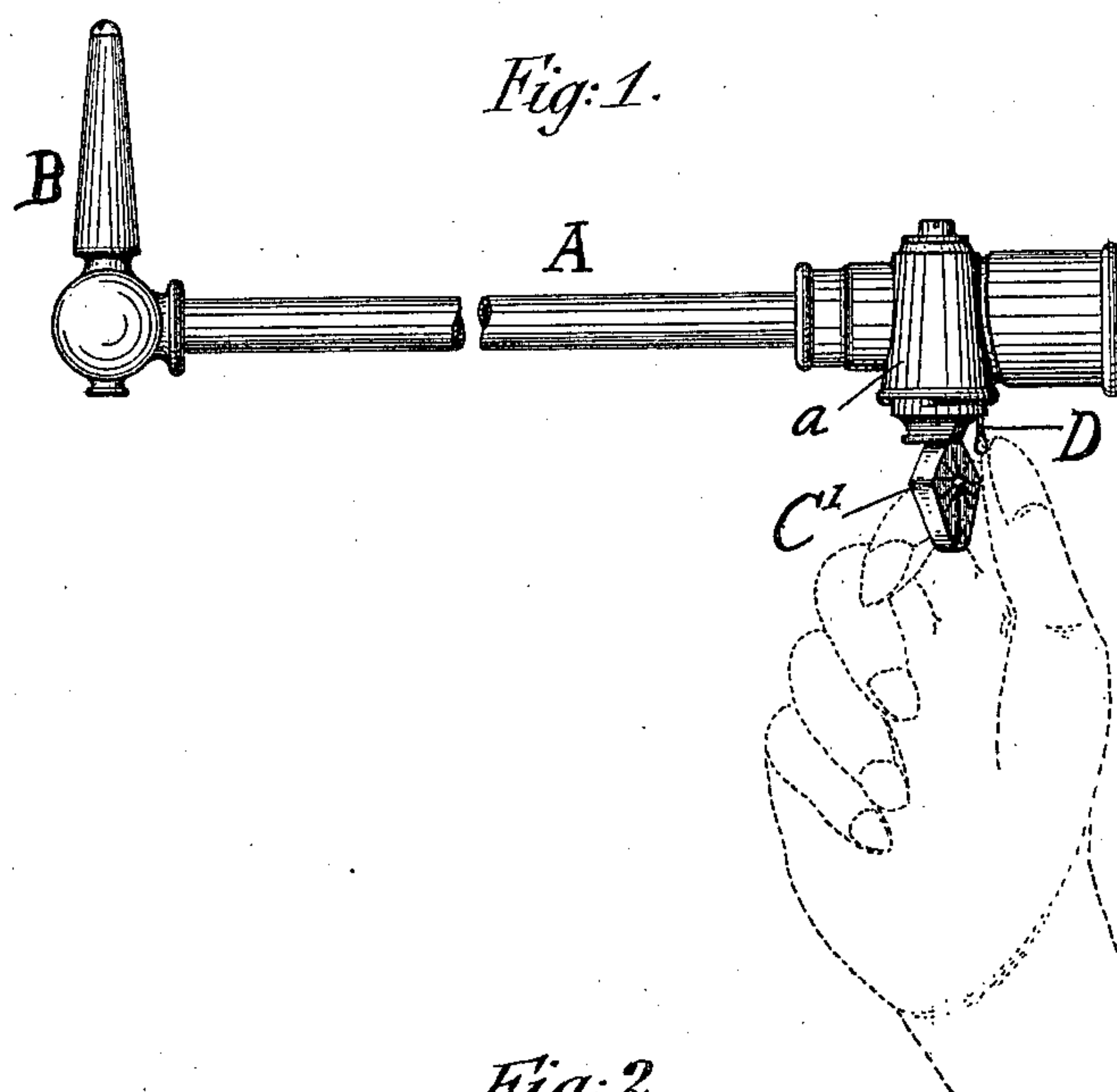
No. 685,612.

Patented Oct. 29, 1901.

M. JAKOBSON.
SAFETY GAS COCK.

(Application filed Mar. 12, 1901.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

MAX JAKOBSON, OF NEW YORK, N. Y.

SAFETY GAS-COCK.

SPECIFICATION forming part of Letters Patent No. 685,612, dated October 29, 1901.

Application filed March 12, 1901. Serial No. 50,798. (No model.)

To all whom it may concern:

Be it known that I, MAX JAKOBSON, a citizen of the United States, residing in New York, borough of Manhattan, in the State of New York, have invented certain new and useful Improvements in Safety Gas-Cocks, of which the following is a specification.

My invention relates to gas-cocks provided with safety attachments for preventing the accidental opening of the same, the object of the invention being to render the construction simple and economical as well as practical and durable, so that the parts will not readily get out of repair and so that the safety device cannot be accidentally operated, but has to be done intentionally.

To these ends my invention consists of a gas-fixture in which there is located in the plug-bearing or bearing-sleeve of the same a longitudinal bore or hole, in which is contained a spring-actuated locking-pin, the outer end of which is adapted to protrude into a notch or recess in the plug, in which recess is pivoted a small finger-lever, one end of which is in engagement with said pin and the other end of which projects downwardly alongside the key or operating-handle, so as to be readily manipulated simultaneously with the turning of the cock, all as will be hereinafter described in detail and then claimed.

In the accompanying drawings, Figure 1 is a perspective view of a gas-burner with my improved safety-cock. Fig. 2 is a larger longitudinal section through the same in a plane taken also longitudinally through the gas-cock, and Fig. 3 is a transverse section on the line 3 3, Fig. 2.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A indicates a suitable gas fixture or bracket provided with the usual burner B. Turning within the bearing within the bearing-sleeve *a* of the fixture or bracket A is the usual rotary plug C of the gas-cock, which plug is provided with an operating key or handle *C'* and with a transverse passage *C²*, through which the gas may pass to the burner when the gas-cock is open. The plug C is provided at one side with a longitudinal recess or notch *d*, a portion of which recess or notch is exposed, while the other portion is located out of sight in the

bearing-sleeve *a*. Within the recess *d* a small finger-lever D is pivoted at *d'*, so that its upper end extends upwardly into the recess *d* within the stock or mass of the gas fixture or bracket, while the other end protrudes downwardly alongside of and near the key or turning handle *C'*, so as to enable the protruding end of the lever D to be depressed simultaneously with the grasping of the said key-handle *C'* and the turning of the plug so as to admit the gas to the burner.

A longitudinal bore or hole *e* is formed in the one side of the bearing-sleeve of the gas fixture or bracket A, so that in the position shown in Fig. 2 the same will open into the recess or notch *d*, permitting the locking-pin E therein to be projected, by means of a helical actuating-spring *e'*, into the said notch or recess *d* and against the inner end of the operating-lever D, thereby moving the said end inwardly and the other protruding end of the lever outwardly. The described safety device when the gas-cock is closed holds the same in closed position against accidental turning of the plug and the consequent admission of gas into the room. The lever D is so located and is of such size that it is not apt to be accidentally operated by a person in passing rubbing against the key or turning handle. By arranging the main parts of the device out of sight they are not likely to be nor can they be readily tampered with, so as to get the device out of order.

To operate the device, it is only necessary to take hold of the handle or key of the gas-cock and with the thumb or one finger press at the same time (as indicated by dotted lines, showing a hand, in Fig. 1) on the protruding end of the operating-lever, and thereby press the locking-pin E back into its guiding-hole *e* and out of locking engagement with the rotary plug C. When the gas-cock is closed, the locking-pin automatically engages in the recess in the plug and at the same time throws the operating-lever into operative position.

It is evident that the invention can be applied in general to all devices by which the supply of gas or liquid is controlled by a turning plug.

What I claim as new is—

The combination, with a gas fixture or

bracket, a rotary plug provided with a gas-
passage, and turning within said fixture or
bracket, and means for turning said plug,
said fixture or bracket having a longitudinal
5 bore or hole at one side, open adjacent to the
plug, and said plug having a longitudinal re-
cess or notch adjacent to said bore or hole,
of a spring-actuated locking-pin guided in
said bore or hole, and adapted to engage in
10 said notch or recess and a lever pivoted in
said notch or recess and engaged at its inner

end by said locking-pin, while its other end
projects from the plug in a position for con-
venient manipulation, substantially as set
forth.

In testimony that I claim the foregoing as
my invention I have signed my name in pres-
ence of two subscribing witnesses.

MAX JAKOBSON.

Witnesses:

GEO. L. WHEELOCK,
GEORGE C. GEIBEL.

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