

R. B. GILCHRIST.
SQUEEZER.

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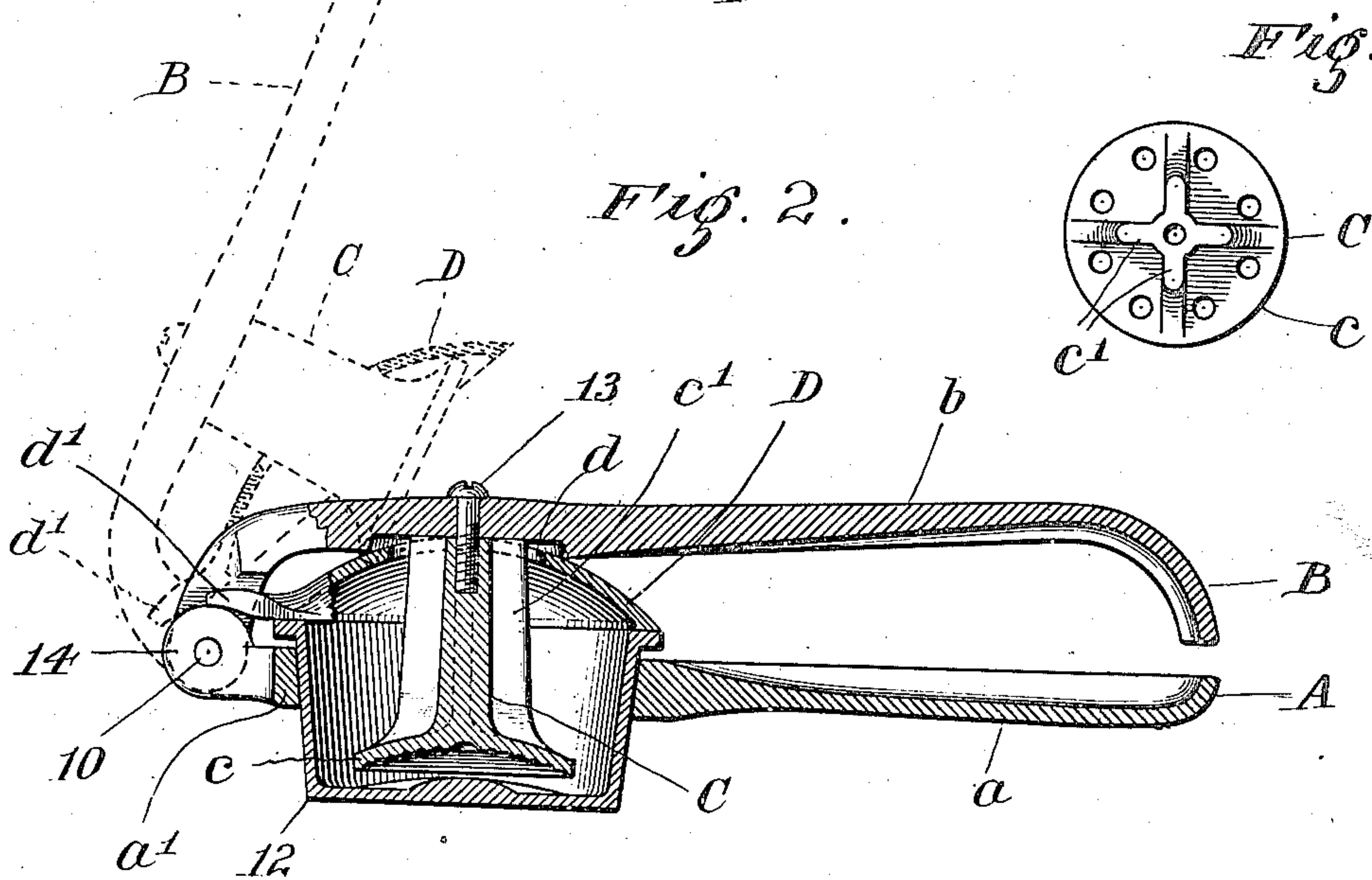
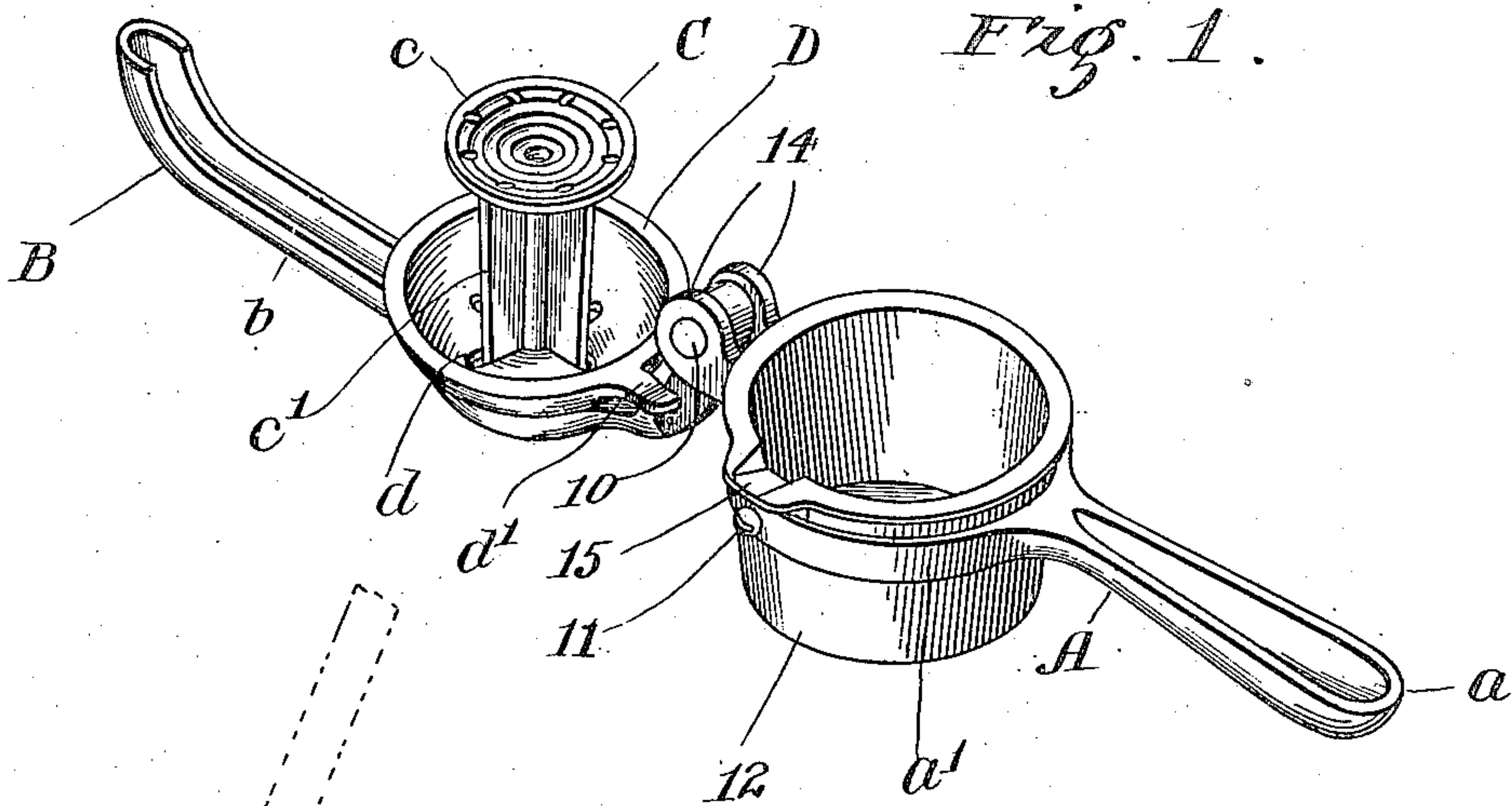
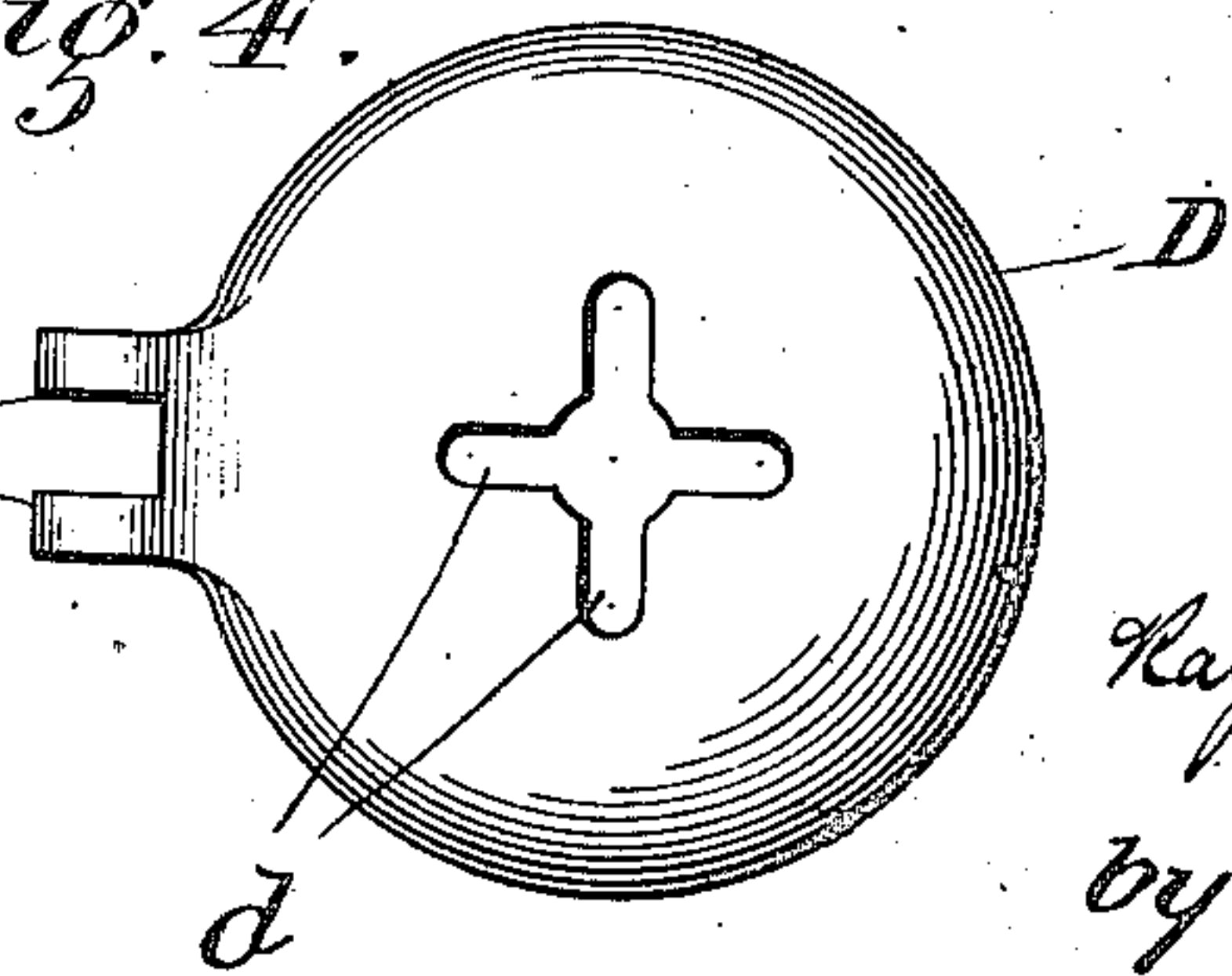


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SQUEEZER.

952,519.

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To all whom it may concern:

Be it known that I, RAYMOND B. GILCHRIST, a resident of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Squeezers, of which the following is a full, clear, and exact description.

The invention relates to devices commonly known as lemon-squeezers.

The invention designs to provide squeezers or presses of that type in which the two compressing members are pivotally connected and which can be operated by hand with improved means for closing the cup during the squeezing operation, and also to provide a squeezer of improved construction.

The invention consists in the several novel features hereinafter described, and more particularly defined by claims at the conclusion hereof.

In the drawings: Figure 1 is a perspective of the improved squeezer which is shown in open position, *i. e.*, to receive a lemon or other article. Fig. 2 is a central longitudinal section of the squeezer in closed position and showing also the plunger and cover by dotted lines in an intermediate position. Fig. 3 is a plan of the plunger and Fig. 4 is a plan of the cover.

The device comprises two members A and B which are pivotally connected together at one end thereof by a pin 10. Members A and B are provided respectively with integrally formed handles *a* and *b*. Member A is also provided with a ring-like portion *a'* in which is held, by a screw 11, a removable cup 12. Member B is provided with a plunger C rigidly secured thereto by a screw 13 which clamps the plunger against one face of member A, and thus the plunger is caused to swing bodily about the pivotal connection between the members. The plunger C comprises a lower expanded portion *c* and a stem formed of ribs *c'* which extend between the enlarged lower portion and that portion of the member B to which the plunger is secured. The plunger and stem are integrally formed and usually formed of non-corrosive material, such as aluminum, enameled ware or china. A cover D also of non-corrosive material is adapted to close the cup before or about the time the plunger is moved into position to become operative in the cup. This cup is provided with an opening *d* corresponding substantially in shape to the

stem of the plunger C and is substantially secured against lateral movement and rotation with respect to the cup by such connection.

In practice it is customary when opening the squeezer for the purpose of inserting a lemon or other article into the cup, to shift member B so the cover will be inverted. For the purpose of assuring the drop of the cover into proper position with respect to the cup, the cover is extended as at *d'* to form abutments which engage ears 14 of member A while member B is being swung into closed position. A loose-connection is necessary between the cover and the plunger to permit the plunger to swing about pivot 10 and to permit the plunger stem to move angularly through the cover after the cover has fallen onto the cup. These abutments restrict the movement of the cover and allow the cover to move longitudinally slightly to accommodate the cover during the squeezing operation and after the cover has closed the cup. Without an abutment for restricting the movement of the cover with respect to the plunger-member it would be possible for the cup which is loosely connected to the plunger and member B to become disarranged and caught between the members so it would become broken. The stem *c'* passes loosely through the cover and the cover is free to play under restriction of the body of member A, abutment *d'* and the plunger C to form a lost-motion connection which permits the cover to fall onto the cup as soon as the squeezing operation begins and to allow the plunger to be forced into the cup. When the members are in closed position, shown in Fig. 2, and the handles of the members are held together, the cover will be held snugly against the top of the cover and the expressed juice can be poured out of the cup through spout 15.

Manifestly the invention provides a simple construction of hand-squeezer which comprises a cover for closing the cup as soon as the squeezing operation is begun and which is operated directly by a plunger rigidly secured to one of the members. The construction is simple and the device can be equipped with the cover with slight additional cost. The particular construction is advantageous because the plunger by which the cover is operated, is rigidly secured to one of the pivotally connected members and

so the cover can be operated to close the cup despite the pivotal movement due to the plunger swinging with one of the members.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent, is:

1. In a squeezer, the combination of two members pivotally connected together, a cup connected to one of said members, a plunger rigidly connected to the other member, a cover for the cup, operated and carried by the pivoted plunger-member, and a lost-motion connection between the cover and the plunger, for permitting the plunger to move angularly with respect to the cover.

2. In a squeezer, the combination of two members pivoted to each other, each of which is provided with a handle and respectively provided with a cup and plunger, a plunger-stem for securing the plunger to one of the members, a cover for said cup, operated and carried by the pivoted plunger-member, and a lost-motion connection between the cover and the plunger, for permitting the plunger to move angularly with respect to the cover.

3. In a squeezer, the combination of two members pivoted to each other, each of which is provided with a handle and respectively provided with a cup, and a plunger, a stem by which the plunger is secured to move with the member to which it is connected a cover for said cup operated by the plunger member and having a lost-motion connection therewith, and an abutment for restricting the movement for the inner portion of the lid.

4. In a squeezer, the combination of two members pivotally connected to each other, a cup connected to one of the members, a plunger, a stem rigidly secured to the other member and to which said plunger is secured and a cover for closing said cup and fitting loosely around said stem and operated by the plunger and an abutment for restricting the movement of the inner portion of the lid.

5. In a squeezer, the combination of two members pivotally connected to each other, a cup connected to one of the members, a

plunger, a stem rigidly secured to the other member and to which said plunger is secured, a cover provided with a lug adjacent one end of and adapted to engage one of the members and whereby the movement of the inner portion of the cover will be restricted.

6. In a squeezer, the combination of two members pivotally connected to each other, each having a handle secured thereto, a cup connected to one of the members, a plunger secured to the other member, and a cover having a lost motion connection with the plunger-member for permitting the plunger-member to move angularly with respect to the cover.

7. In a squeezer, the combination of two members pivotally connected to each other, each having a handle secured thereto, a cup connected to one of the members, a plunger, a plunger-stem rigidly secured to the other member, and a cover for closing the cup and fitting loosely around said stem for permitting the stem to move angularly through the cover.

8. In a squeezer, the combination of two members pivotally connected to each other, each having a handle secured thereto, a cup connected to one of the members, a plunger, a ribbed stem rigidly secured to the other member and to which the plunger is secured, and a cover for closing the cup and fitting loosely around said stem for permitting the stem to move angularly through the cover.

9. In a squeezer, the combination of two members pivotally connected to each other, a cup connected to one of said members, a plunger, a stem to which said plunger is secured and secured to the other member, and a cover having an opening therein through which said stem is extended, said cover being free to move laterally around the stem and longitudinally along the stem.

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Witnesses:

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