

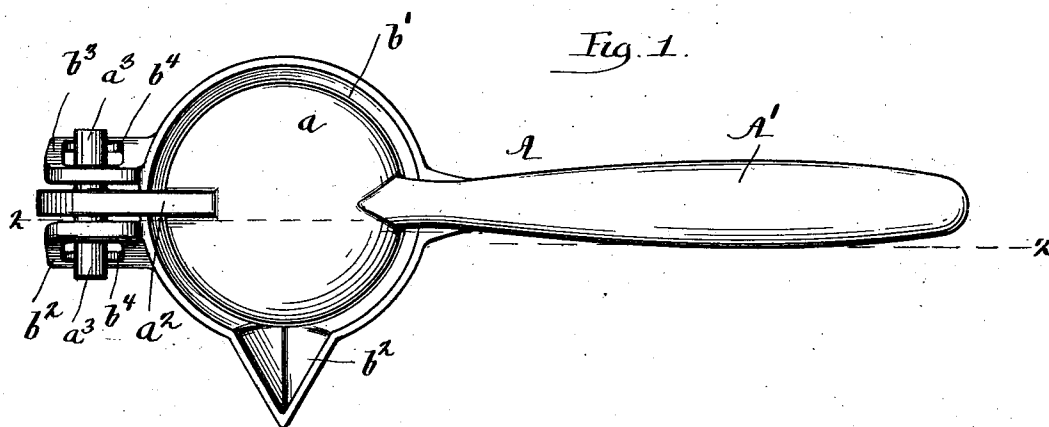
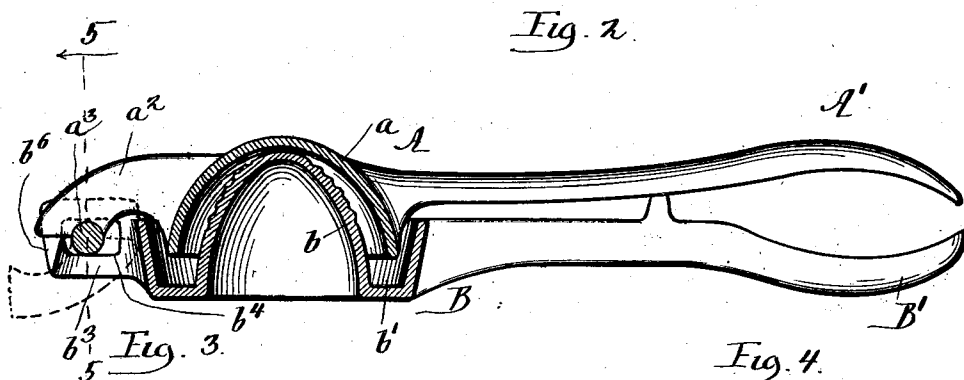
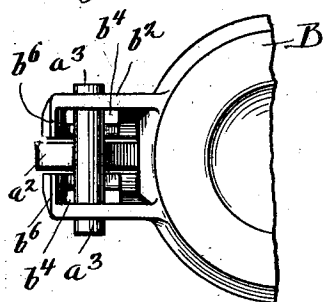
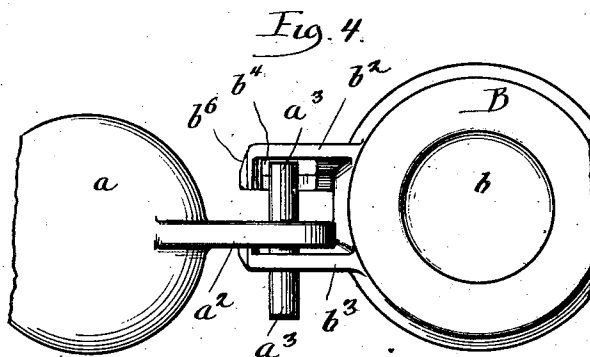
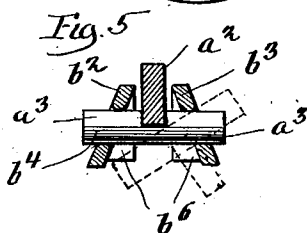
No. 703,518.

Patented July 1, 1902.

A. BAUMGARTEN.
SQUEEZER.

(Application filed July 13, 1901.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

ALBERT BAUMGARTEN, OF FREEPORT, ILLINOIS.

SQUEEZER.

SPECIFICATION forming part of Letters Patent No. 703,518, dated July 1, 1902.

Application filed July 13, 1901. Serial No. 68,152. (No model.)

To all whom it may concern:

Be it known that I, ALBERT BAUMGARTEN, a resident of Freeport, county of Stephenson, State of Illinois, have invented certain new and useful Improvements in Squeezers, of which the following is a full, clear, and exact description.

The present invention relates to devices used for expressing the juice from lemons, limes, and the like, and designs to provide a squeezer which can be produced at a low cost, which is simple in construction and efficient in operation.

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

In the drawings, Figure 1 is a plan view of a squeezer embodying the preferred form of the invention. Fig. 2 is a view in section taken on line 2 2 of Fig. 1. Fig. 3 is an inverted plan of the pivotal connection between frame members. Fig. 4 is a similar view showing the parts in a position assumed while the frame members are being assembled or disconnected. Fig. 5 is a section on line 5 5 of Fig. 2.

The squeezer comprises two pivotally-connected frame members A and B. Frame member A is provided with a lever-handle A' and with a cup-like integral portion a, which serves as one of compressing parts. Frame member B is provided with a handle B' and an integrally-formed cone or plunger b, which serves as the other of compressing parts, and around the cone a juice-receptacle b' is formed to catch and retain the expressed juice. A spout b² directs the juice as it is poured from the receptacle b'. The pivotal connection between the frame members comprises longitudinally-projecting lugs b² and b³, integrally formed with member B, and each of these lugs is provided with an elongated slot b⁴ and an arm or lug a², having an integral pivot-stud a³, projecting laterally from each side thereof and adapted to be held in slots b⁴ of lugs b² and b³. Slots b⁴ are arranged substantially parallel with the frame members when in closed position. Arm a² fits loosely between pivot-lugs b² and b³ to permit a slight lateral relative shift of the frame members, so the compressing parts—i. e., the

cup and cone—will be free to relatively position each other laterally during the shift of the frame members to express the juice from a lemon and according to the position and size of the lemon. The slots b⁴ are elongated to permit a play of the pivot-stud therein and a relative longitudinal shift of the frame members, so the compressing parts will position each other longitudinally during the shift of the frame members toward each other and so the compressing parts will be free to be relatively positioned by the lemon during the operation of the members to express the juice from a lemon and according to the position and size of the lemon.

The space formed between pivot-lugs b² and b³ is somewhat wider at the lower portions, as seen in Figs. 3 and 5 of the drawings, to permit the terminal of the pivot-stud to be shifted laterally out of one of the slots b⁴, as shown in Fig. 4, after which the frame member A can be swung into the position indicated in dotted lines in Fig. 2. Throughout its working stroke the frame member A is confined by and between the upper portion of the pivot-lugs and lugs b⁶, so the pivot-stud cannot be shifted laterally the extent necessary to free the stud from slots b⁴.

When the frame members are to be assembled, the parts are first held in about the relative position shown in dotted lines of Fig. 2, so one terminal of the pivot-stud can be inserted angularly into the corresponding slot b⁴ of one of the pivot-lugs, as shown by dotted lines, Fig. 5, and thence into the position shown in Fig. 4. A relative lateral shift of the frame members will then cause the other of the pivot-studs to pass into the other slot b⁴. The frame members can then be swung into working position, as shown in full lines in Fig. 2, and will then be pivotally connected. The upper portions of the pivot-lugs and lugs b⁶ serve to prevent sufficient lateral movement to permit the studs to be withdrawn from the slots during the operation of the squeezer. The edges of slots b⁴ are rounded to permit the studs to be inserted at an angle. (See Fig. 5.)

The operation will be as follows: A lemon-section is held between the cone and cup until the frame members have been shifted to hold the lemon. The handle will then be

forced together to express the juice from the lemon. During such shift of the members it will, by reason of the loose pivotal connection, be free to permit the cup and cone to be
 5 guided longitudinally and laterally by each other and according to the size and shape of the lemon-section therebetween and will always cause the lemon-section to be evenly distributed around the cone.

- 10 The invention possesses numerous advantages. The construction is simple throughout. The stud and slotted lugs are constructed and arranged so that these can be integrally formed with the frame members and
 15 can be quickly assembled and interlocked, so they cannot be disconnected during the usual operation of the squeezer. The necessity of accurately fitting the parts is entirely avoided, since the parts are loosely connected and
 20 are positioned during operation by the compressing parts.

The invention provides a squeezer for lemons, limes, and like articles which is simple and inexpensive in construction, is formed of
 25 few elements, can be quickly assembled, and is efficient in operation.

I do not wish to be understood as claiming in this application certain features which are claimed in an application filed by me March
 30 3, 1899, Serial No. 707,608.

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

1. In a squeezer, the combination with two
 35 members provided respectively with a cup and a cone, of a pivotal connection between said members, comprising a pivot and apertured bearing-lugs with which said pivot en-
 40 tegrally formed respectively with said members, said pivot and bearings being constructed and formed so the members can be connected together, or disconnected only when
 45 the members are shifted to an angle greater than forty-five degrees with respect to each other.

2. In a squeezer, the combination with two members, provided respectively with a cup and a cone, of a pivotal connection between
 50 said members, comprising a pivot and aper-

tured bearing-lugs with which said pivot engages, said bearing-lugs and pivot being integrally formed respectively with the said members, said pivot and bearings being constructed and formed so the members can be
 55 connected together or disconnected by turning the parts laterally only when said members are shifted to an angle greater than forty-five degrees with respect to each other.

3. In a squeezer, the combination with two
 60 members, provided respectively with a cup and a cone, of a pivotal connection between said members, comprising a pivot and bearing-lugs having elongated apertures therein, said bearing-lugs and pivot being integrally
 65 formed respectively with the said members, said pivot and bearings being constructed and formed so the members can be connected or disconnected by turning the parts laterally
 70 only when said members are shifted to an angle greater than forty-five degrees with respect to each other.

4. In a squeezer, the combination with two
 75 members provided respectively with a cup and a cone, of a pivotal connection between said members, comprising a pivot and apertured bearing-lugs in which said pivot has a lateral play, said bearing-lugs and pivot being integrally formed respectively with the
 80 said members, said pivot and bearings being constructed and formed so the members can be connected or disconnected when the members are shifted to an angle greater than
 85 forty-five degrees with respect to each other.

5. In a squeezer, the combination with two
 90 members, provided respectively with a cup and a cone, of a pivotal connection between said members and comprising an arm, a pivot-stud on said arm, and bearing-lugs between which said arm will be held, said lugs having elongated apertured bearings therein, and being formed at an angle to permit sufficient lateral play of the arm and pivot, to permit
 95 the members to be connected or disconnected when the members are swung out of working position.

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Witnesses:

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