

J. FANNING.
Lemon-Squeezer.

No. 217,519.

Patented July 15, 1879.

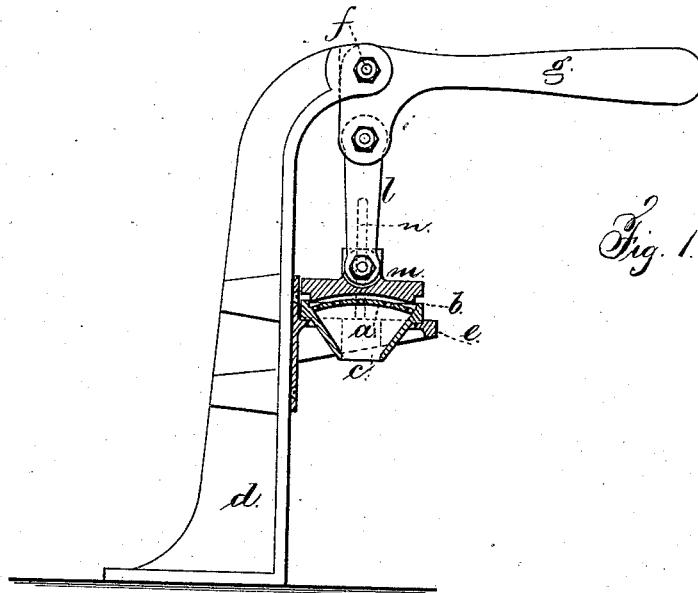


Fig. 1.

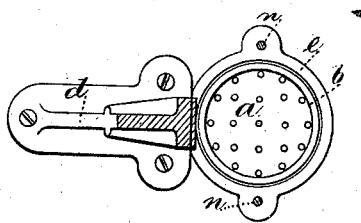


Fig. 2.

WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN FANNING, OF BROOKLYN, NEW YORK, ASSIGNOR TO ISAAC WILLIAMS
AND JOSEPHINE P. FANNING, OF SAME PLACE.

IMPROVEMENT IN LEMON-SQUEEZERS.

Specification forming part of Letters Patent No. **217,519**, dated July 15, 1879; application filed
April 21, 1879.

To all whom it may concern:

Be it known that I, JOHN FANNING, of Brooklyn, in the State of New York, have invented an Improvement in Lemon-Squeezers, of which the following is a specification.

Lemon-squeezers have been made of a convex projection within a circular cup, and to this has been hinged a concave presser, and handles have been provided for actuating the same. Lemon-squeezers have also been made with hinged lever-handles carrying a convex projection or presser, and having a concave perforated cup supported by a ring on a standard for receiving the lemon to be squeezed. These lemon-squeezers, in expressing the juice, usually fold the edge of the half-lemon inwardly, and the two thicknesses around the edge prevent the pressure being uniformly applied to the half-lemon. When the bed is made of a concave section of a cylinder, perforated, and the presser is similarly shaped, but convex, the opposite edges of the half-lemon are liable to be folded double.

In my lemon-squeezer, the perforated support for the lemon being convex instead of concave, the edges of the half-lemon are spread and the juice uniformly expressed directly through the perforations.

I make use of a convex bed or surface for the lemon to rest upon. The same is perforated for the passage of the lemon-juice. Below and connected therewith is a funnel-shaped concentrator, to receive the juice and direct it to the tumbler or other receptacle. The perforated convex bed and the concentrator are supported in a ring upon a standard, and may be removed therefrom for washing. There is a lever pivoted to the standard, and connected by a link to a pressure-cup sliding vertically on rods supported by aforesaid ring, so as to guide the parts and apply the necessary force to squeeze the half-lemon, which is placed with the pulp side downwardly on the perforated convex bed.

In the drawings, Figure 1 is an elevation of the lemon-squeezer with the presser, bed, and

concentrator in section; and Fig. 2 is a plan of the bed and ring.

The perforated bed *a* is convex on its upper surface, and it is perforated with numerous holes. There is a rim, *b*, around the same, to retain any juice and cause it to pass through the outer perforations. Beneath this bed is the funnel-shaped concentrator *c*, having a central delivery-hole for the juice. These parts are, by preference, made of iron, with an enameled surface, so as not to be injured by the lemon-juice, and so that it may be easily washed.

The perforated convex bed and concentrator will usually be cast in one piece; but, if desired, the perforated convex bed may be a separate piece within the rim *b*, said rim and concentrator being in one piece.

The perforated convex bed is to be of greater diameter than the largest half-lemon when squeezed.

The standard *d* has upon one side a ring, *e*, that is horizontal, or nearly so, and receives and supports the bed *a* and concentrator. This ring *e* is at a sufficient height above the bottom of the standard *d* to allow for the introduction of a tumbler or other vessel beneath the squeezing device, so as to receive the lemon-juice.

At or near the top of the standard *d* there is a pivot, *f*, for the lever *g*, and to this there is a link, *h*, pivoted, and the same is hinged to the presser-cup *m*, and the same is above and guided by the vertical studs *n* upon the ring *e*, and over which the ears at the sides of the cup *m* slide. Thereby the cup is guided as it is moved up and down by the lever and link, and a powerful compressing action is obtained by the link acting as a toggle with the lever to squeeze all the juice from the lemon.

I claim as my invention—

1. In a lemon-squeezer, the convex perforated bed to receive the lemon, in combination with a concave presser, substantially as specified.

2. In a lemon-squeezer, the convex bed

with a rim around the same and perforated, in combination with the concentrator below the perforated bed to receive the juice and pass the same to the tumbler or other vessel, substantially as set forth.

3. The combination, in a lemon-squeezer, of the convex perforated bed *a*, concentrator *c*, supporting-ring *e*, standard *d*, guide-rods *n*, cup, and actuating mechanism, substantially as set forth.

4. The combination, in a lemon-squeezer, of the removable convex perforated bed, the supporting-ring *e*, standard *d*, lever *g*, link *l*, and presser-cup, substantially as set forth.

Signed by me this 16th day of April, 1879.

JOHN FANNING.

Witnesses:

GEO. T. PINCKNEY,
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Wds.