(No Model.) 2 Sheets—Sheet 1.

E. M. SCOTT.

LEMON SQUEEZER.

No. 399,229. Patented Mar. 5, 1889.

Fig. 1.

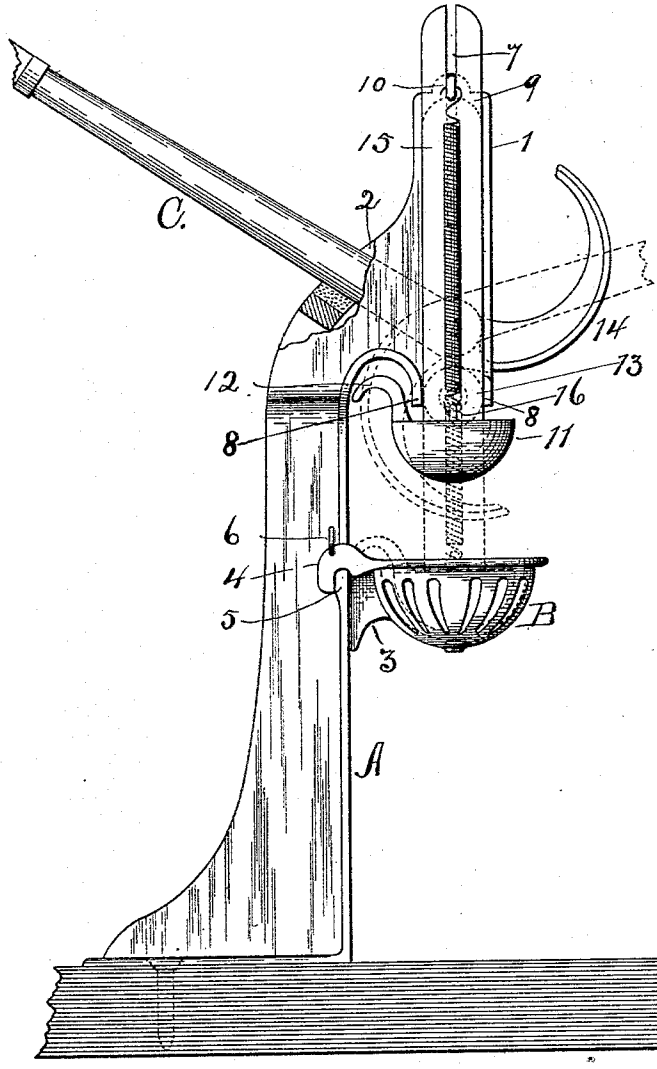
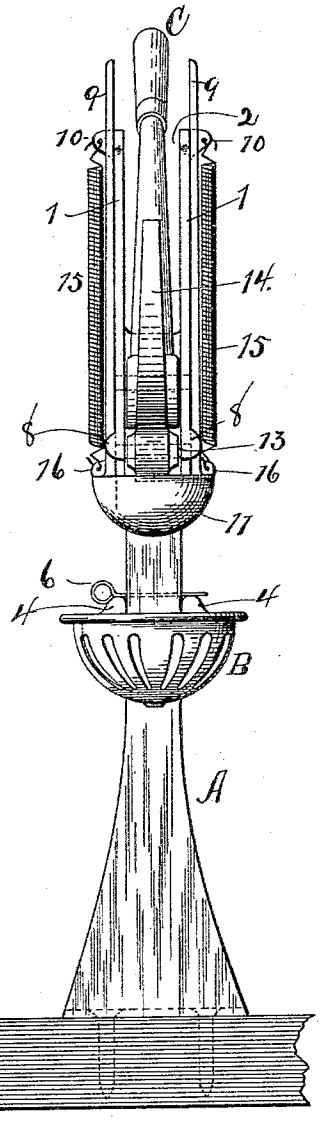


Fig. 2.



Witnesses:
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H. B. Green.

Inventor:
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Attys

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(No Model.) 2 Sheets—Sheet 2.

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LEMON SQUEEZER.

No. 399,229. Patented Mar. 5, 1889.

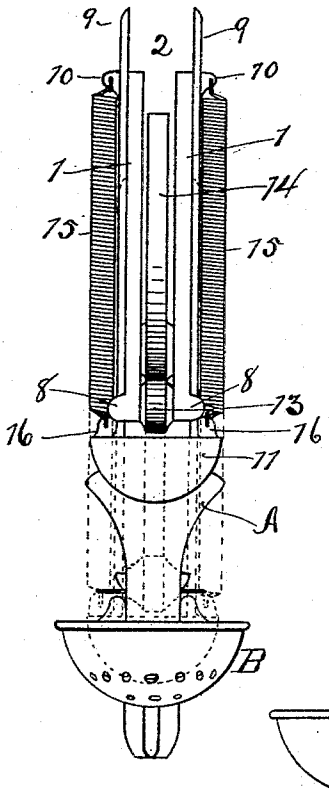


Fig. 3

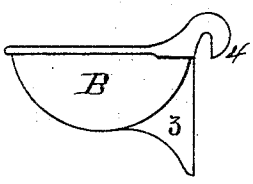


Fig. 5

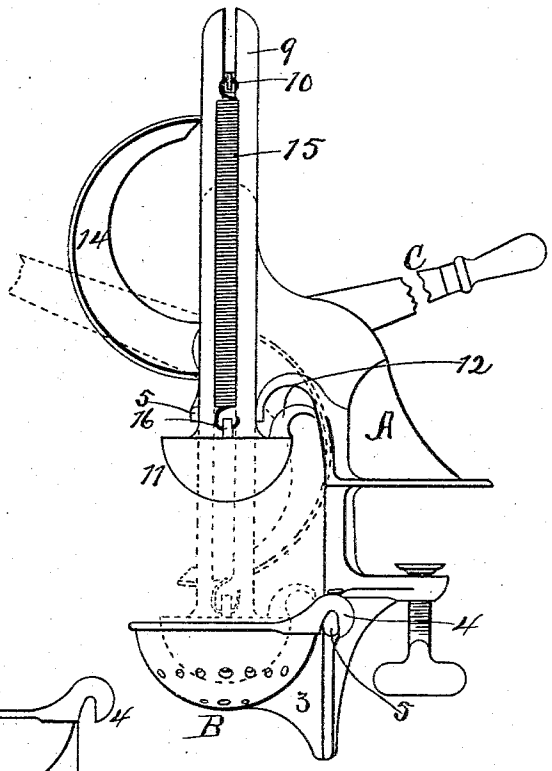


Fig. 4

Witnesses:
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UNITED STATES PATENT OFFICE.

EDWIN M. SCOTT, OF AUBURN, NEW YORK.

LEMON-SQUEEZER.

SPECIFICATION forming part of Letters Patent No. 399,229, dated March 5, 1889.

Application filed September 3, 1888. Serial No. 284,464. (No model.)

To all whom it may concern:

Be it known that I, EDWIN M. SCOTT, of Auburn, county of Cayuga, in the State of New York, a citizen of the United States, have invented certain new and useful Improvements in Lemon-Squeezers, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of the squeezer opened, showing by dotted lines the position of the platen and the cam-lever when the lever is thrown over, the squeezer being mounted upon a standard having a base adapted to be secured in a stationary manner upon the top of a table. Fig. 2 is a front elevation of the construction shown in Fig. 1. Fig. 3 is a front elevation of the construction shown in Fig. 4. Fig. 4 is a side elevation of the squeezer provided on the back side of the standard with a jaw and a set-screw, so that the squeezer can be detachably mounted upon the edge of a table and secured by the thumb-screw shown. Fig. 5 is a side elevation of the cup.

My invention relates to apparatus for expressing juices from fruits.

My object is to insure a vertical action of the platen, and also to quickly impart and steadily increase the pressure thereof, thereby more thoroughly and completely expressing the juices.

My invention consists in the several novel features of construction and operation, hereinafter described, and which are set forth in the claims hereto annexed.

It is constructed as follows: A is the standard, shown in Figs. 1 and 2 as adapted to be secured upon the top of the table and in Figs. 3 and 4 as adapted by means of side brackets and a set-screw to be secured to the edge of the table. The top of the standard is bifurcated, forming the slotway 2 between the uprights or vertical bars 1, which bars are provided with ears 10 at their upper ends and flanges 8 at their lower ends, as shown. The standard is provided with lugs 5 on its front or inner edges.

B is a slotted or perforated cup provided with a bracket, 3, and hooks 4 on each side of and projecting beyond said bracket. The hooks 4 catch over the lugs 5 on the standard, and the cup is locked in place by a pin, 6, which is passed through an aperture in the standard above said hooks.

11 is the platen of solid material and of such configuration on its lower side as to fit the cup, and attached to the platen are parallel stems 9, provided with slots 7. These stems are fitted to slide between the flanges 8 on the standard, and the ears 10 on the uprights 11 project through the slots 7. The platen is provided on one side with the curved bar or hook 12, which operates to control both the upward and downward throw thereof. Between the stems 9, and journaled therein, I mount the friction-roller 13, contiguous to the top of the platen. Between the uprights or bars 1 and in the slotway 2 I pivot the lever C, which is provided with a cam, 14, bearing directly upon the friction-roller 13. The ears 10 are perforated, and the springs 15 are secured at one end to the ears and at the other to an eye upon each of the stems adjacent to the top of the platen.

It will be observed that by throwing the lever over the platen 11 is forced downward by the cam impinging upon the roller 13, and the farther it is thrown over the more the platen is forced down and the greater the pressure upon the material in the cup, and that as soon as the lever is thrown back the springs 15 will lift the platen away from the cup. It will also be observed that the cup B is detachable by removing the pin 6 and unhooking the hooks.

What I claim is—

1. The cup B, provided with a bracket, 3, and hooks 4, in combination with the standard A, provided with the lugs 5 upon the inner edges thereof, and the locking-pin 6, inserted through the standard above the hooks, substantially as described.

2. A fruit-squeezer consisting of a standard provided with lugs and bifurcated at the top, forming uprights or vertical bars 1, which are provided with flanges 8 and ears 10, the platen 11, provided with parallel stems 9, guided by the flanges and ears of the uprights, a friction-roller journaled in the platen-stems, and a cam-lever pivoted between the uprights 1 and

bearing upon the friction-roller, and the springs 15, connected to the platen-stems at one end and to the ears 10 at the other, in combination with the cup B, provided with a bracket, 3, and hooks 4, hooking over the lugs 5 upon the standard, and a pin, 6, inserted through the standard above the cup-hooks, substantially as described.

In witness whereof I have hereunto set my hand this 27th day of August, 1888.

EDWIN M. SCOTT.

In presence of—
W. E. WEBSTER,
HENRY J. WHITE.