J. H. SPENCER.

LEMON-SQUEEZER.

No. 192,301. Patented June 19, 1877.

Fig. 1.

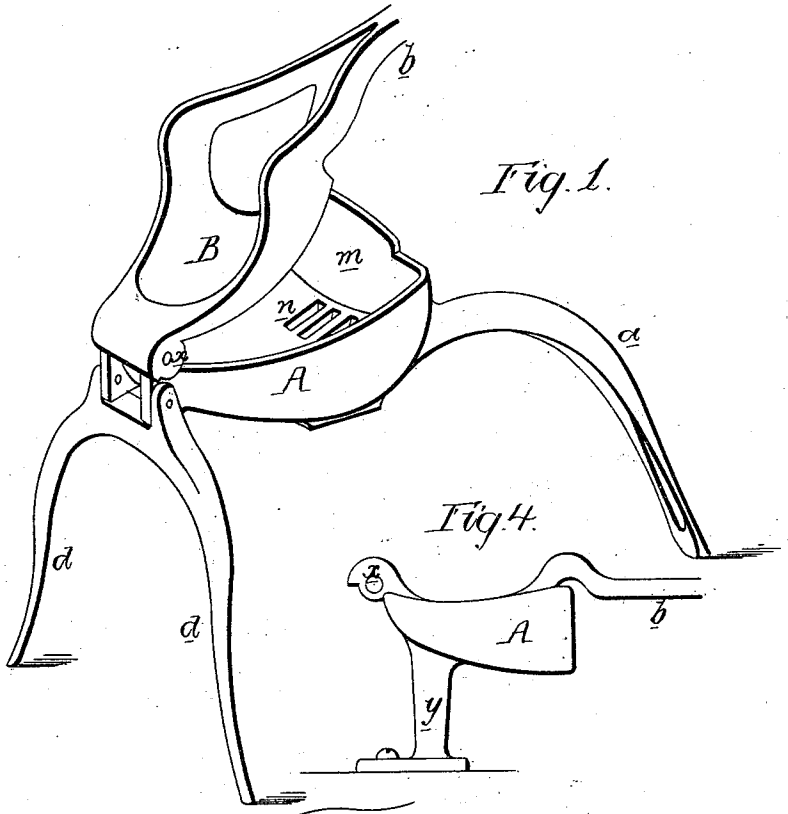


Fig. 4.

Fig. 2.

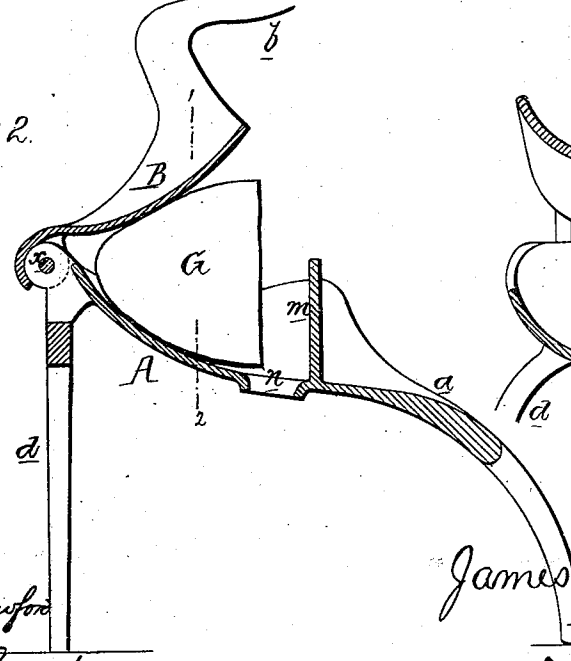
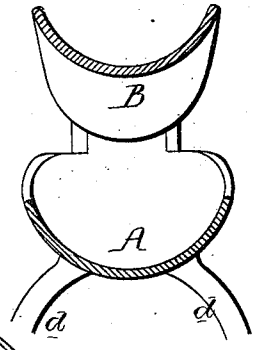


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES H. SPENCER, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN LEMON-SQUEEZERS.

Specification forming part of Letters Patent No. 192,301, dated June 19, 1877; application filed April 26, 1877.

To all whom it may concern:

Be it known that I, JAMES H. SPENCER, of Philadelphia, Pennsylvania, have invented a new and useful Improvement in Lemon-Squeezers, of which the following is a specification:

The object of my invention is to construct an implement by which all the juices may be thoroughly and easily expressed from lemons; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of my improved lemon-squeezer; Fig. 2, a vertical section; Fig. 3, a transverse section on the line 1 2, Fig. 2; and Fig. 4 a modification of my invention.

The implement consists of two main parts—namely, the concavo-convex socket or receptacle A, made to conform, or nearly so, with, and form a proper lodgment for, half a lemon, G, and the presser B, convex on the under side, the two parts being hinged together at *x*, and the part B being provided with a suitable handle, *b*.

A curved prolongation, *a*, of the socket A forms, in Figs. 1 and 2, a leg, which, with two legs, *d d*, secured to the socket near the hinge, serve to support the implement.

The receptacle or socket terminates at the front in a flange or partition, *m*, to prevent the escape of the juices in any other direction than through a grating, *n*, in the bottom of the socket, near the said partition.

The socket is curved upward gradually toward the hinge, so as to constitute a fitting lodgment for the half G of a lemon, and the under side of the presser is so formed that when elevated, as in Fig. 2, it will bear on the lemon near the apex of the same, as shown.

On depressing the arm *b*, the presser will first take effect near this apex of the half-lemon, and, as the arm is forced downward, the pressure, while continuing to act on or near the apex, will also be gradually exerted on the body of the lemon.

By this action of the presser there can be no possibility of the juices being forced rearward, for they must necessarily be expelled, from the first to the last movement of the presser, outward from within the skin, and through the severed end of the lemon toward the flange *m*, and must pass through the grating *n* into any suitable receptacle which the height of the legs permits to be introduced beneath the socket.

Such a leverage can be exerted on the lemon that the juices cannot only be readily expressed from the pulp, but also from the rind, which, after the application of the presser, becomes a hard and comparatively dry mass. The seeds, however, owing to the manner in which the pressure is applied, are expelled from the lemon without being crushed, and the bitterness which crushed seeds impart to the juice of the lemon is therefore prevented.

If desired, the legs may be dispensed with, the arm *a* being straight, and being held in one hand, while the arm *b* may be held in the other.

If the instrument has to be used as a permanent fixture on a bar or table, the front leg *a* may be dispensed with, and the socket A may be supported by a single stud, *y*, secured to the table by a clamp or screws, as shown in Fig. 4.

I claim as my invention—

1. A lemon-squeezer, consisting of a concave socket, A, made to accord, or nearly so, with the half of a lemon, and the presser B convex on the under side, the two parts being hinged together and bearing the within-described relation to each other, so as to act on the half of a lemon, in the manner specified.

2. The combination of the presser B with the socket A, having at its enlarged end a grating or discharge-opening, *n*, and partition *m*, which bear such relation to the socket that half a lemon may be deposited in the same, and squeezed by the presser without encroaching on the said grating or flange, all substantially as set forth.

3. The combination of the presser B with the socket A and legs *a d d*.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAS. H. SPENCER.

Witnesses:

HERMANN MOESSNER,

HARRY SMITH.