

(No Model.)

R. H. DALEY.  
Lemon Squeezer.

No. 238,765.

Patented March 15, 1881.

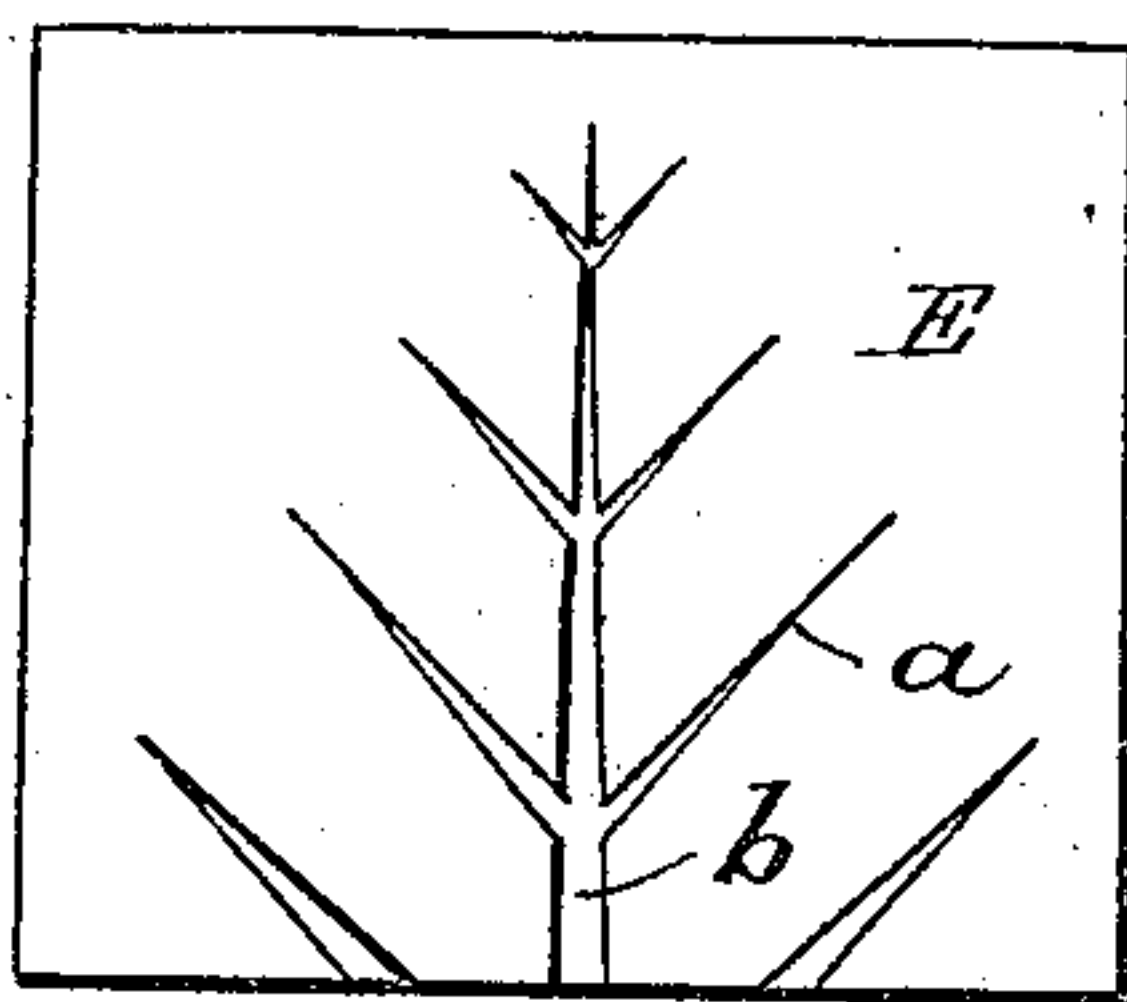
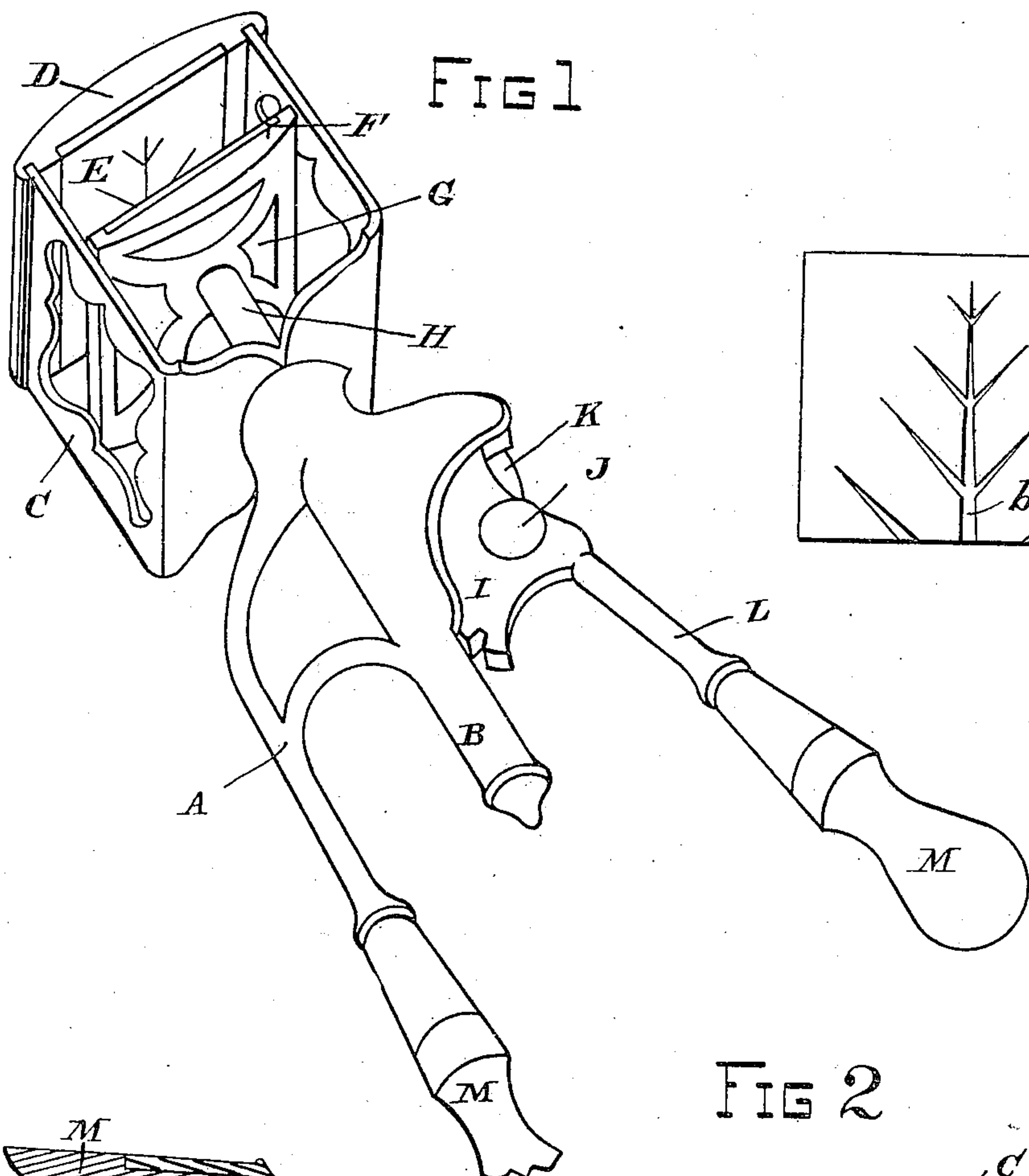
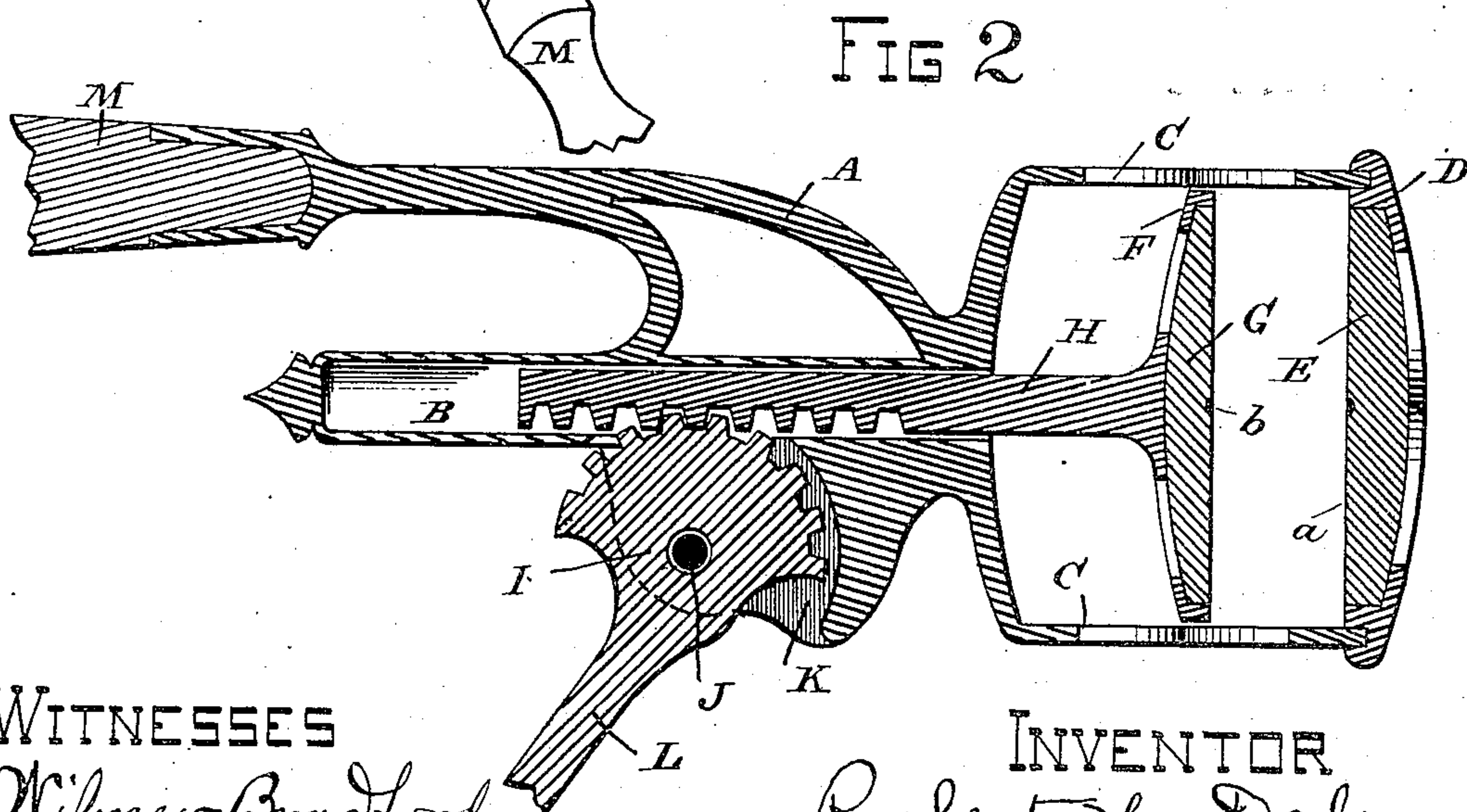


FIG 3



WITNESSES

Wilmer Bradford

*Edw. L. ...*

INVENTOR

Robert H. Daley,  
By C. W. Smith,  
Attorney.

# UNITED STATES PATENT OFFICE.

ROBERT H. DALEY, OF SAN FRANCISCO, CALIFORNIA.

## LEMON-SQUEEZER.

SPECIFICATION forming part of Letters Patent No. 238,765, dated March 15, 1881.

Application filed November 19, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT H. DALEY, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Lemon-Squeezers, of which the following is a full, clear, and exact description.

My invention relates to improvements in that class of lemon-squeezers in which the follower is forced toward the bed-plate by means of a rack actuated by a segmental pinion on the end of a lever-handle; and the invention consists in the construction and arrangement of parts, as hereinafter described and claimed.

In the drawings which are hereunto annexed, and in which similar letters are used to designate like parts throughout the several views, Figure 1 is a perspective view, Fig. 2 is a longitudinal sectional view, and Fig. 3 is a detail view.

The metallic handle A, hollow tube B, and guide-pieces C, which form the sides of the "lemon-box," constitute the main frame-work of my machine, and are constructed substantially in the form shown.

To the outer ends of the guide-pieces C, I attach the bed-plate D, which is recessed to receive the block of vulcanite E. The follower-plate F is recessed in like manner to receive the block of vulcanite G, and any lateral movement of this follower-plate is prevented by means of the guide-pieces C.

From the under side of the follower-plate F, I project a rack or rod, H, which is provided with cog-teeth, as shown, and which engage with the cog-teeth upon a segmental pinion, I, pivoted by the bolt or pin J to an ear or lug, K, which projects outward from the tube B, and this segmental pinion is operated by the lever arm or handle L. These metallic handles or levers are recessed to receive the wooden handles M M, as shown in Fig. 2.

The vulcanite blocks I prefer to use, as they are less liable to be acted upon by the acid of

the lime or lemon than metallic blocks or plates. These vulcanite blocks E G are provided with grooves *a a*, which radiate from a central groove, *b*, and all the grooves increase in width and depth as they approach the point from which they radiate, as is clearly shown in plan in Fig. 3.

The operation of my improved lemon-squeezer will be as follows, to wit: The action of extending the handles as far apart as may be necessary forces down the rack or toothed rod H into the hollow tube B, and the bed-plate and follower will then be as far apart as the construction will permit. The half of a lemon is then placed between the bed-plate and follower with the divided surface facing downward and outward. The handles are then drawn or moved toward one another, and the teeth of the segmental pinion I will engage with the teeth of the rack or rod H, forcing it outward from the tube B, and carrying with it the follower F, and thus compress the lemon or other fruit, and the grooves *a b* in the vulcanite or glass blocks E G serve to retain the said lemon in place, and also to give direction to the flow of the juice within the lemon and direct it in one central stream into the glass or other receptacle held beneath.

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

In a lemon-squeezer, the combination of the hollow tube B, rack or toothed rod H, operated by the segmental pinion I, and lever-handle L, and bed-plate D, follower F, and side pieces or guides, C, all constructed, arranged, and operating substantially as herein shown and set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of November, 1880.

ROBERT H. DALEY.

Witnesses:

J. F. KINGWELL,  
WILMER BRADFORD.