

No. 77,870.

PATENTED MAY 12, 1868.

M. G. COLLINS.

DEVICE FOR BOILING AND STIRRING FRUIT.

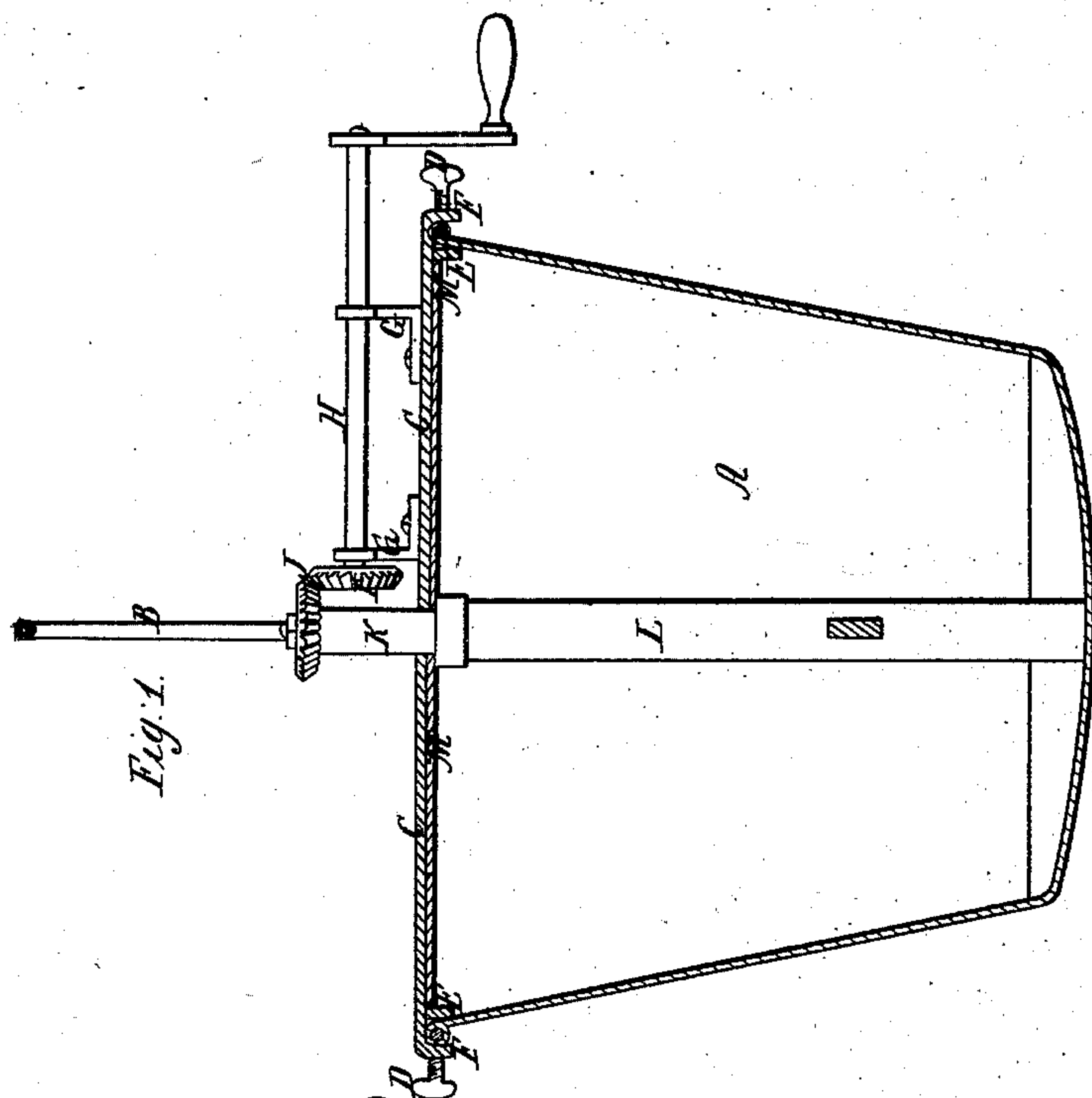


Fig. 1.

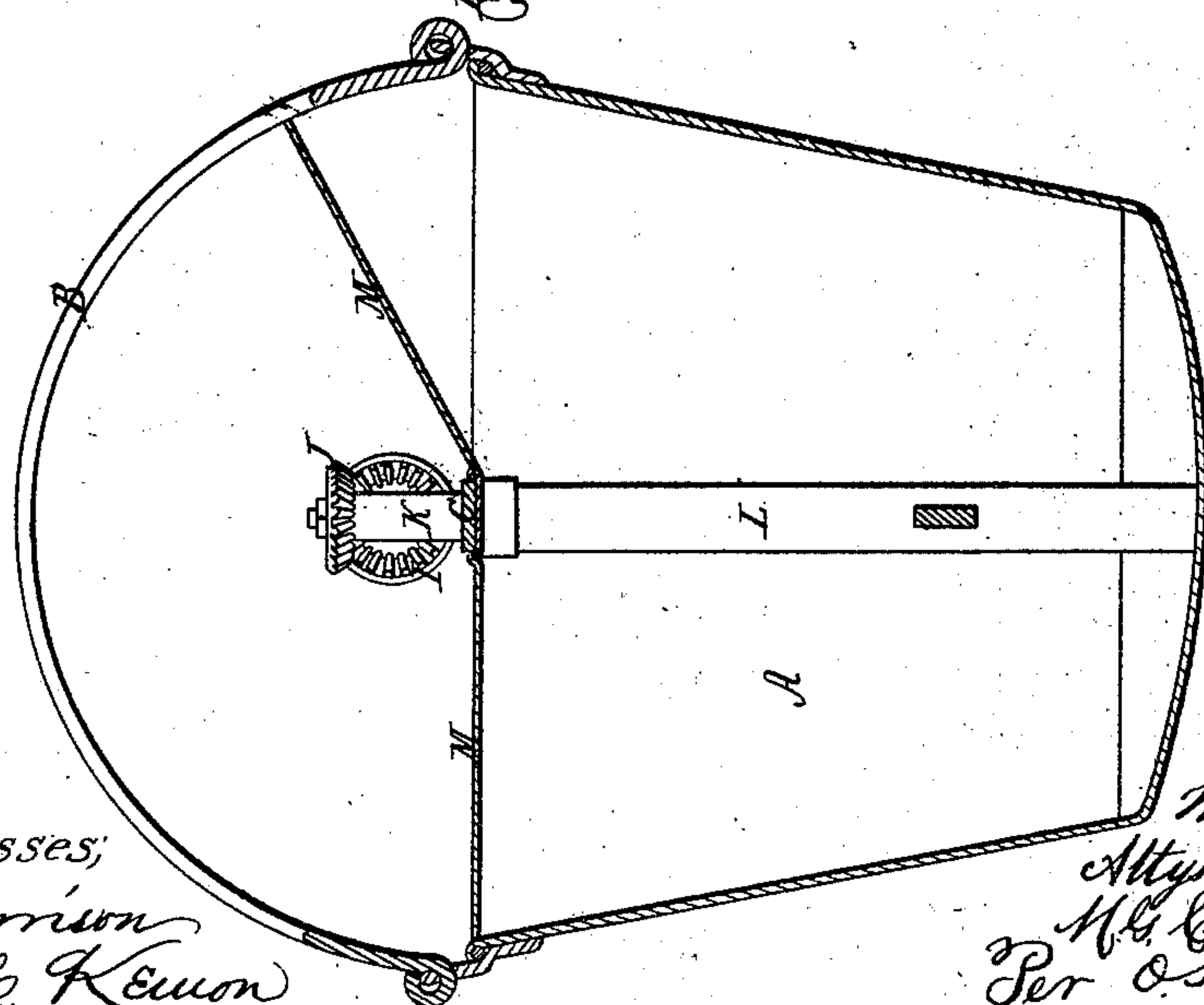


Fig. 2.

Witnesses;  
Geo H. Morrison  
Salon C. Keaton

Inventor;  
Mugus Dubbo  
Atty for  
M. G. Collins  
Per O. Knight, Supr

# United States Patent Office.

M. G. COLLINS, OF BALTIMORE, MARYLAND.

*Letters Patent No: 77,870, dated May 12, 1868; antedated May 8, 1868.*

## DEVICE FOR BOILING AND STIRRING FRUIT.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, M. G. COLLINS, of the city and county of Baltimore, in the State of Maryland, have invented a new and useful Fruit-Butter Stirrer; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, which are made part of this specification, and in which—

Figure 1 is a vertical section.

Figure 2 is a vertical section at right angles to section 1.

The frame, which supports the stirring-apparatus, and to which the lids are hinged, is attachable by thumb-screws to the rim of the kettle. The stirring-devices consist of a crank-shaft, bevel-pinions, and a vertical revolving shaft with arms.

In the drawings, A may represent an ordinary brass kettle, with a bail, B. The rim of the kettle is turned around a wire ring, and has an outward projection, which furnishes a convenient point whereon to attach the frame C by the thumb-screws D D.

The frame C has flanges E E, F F, the former resting upon the inside of the kettle, and the latter upon the outside, being tightened thereto by the thumb-screws. The posts G G rise from the upper side of the frame C, and support the horizontal crank-shaft H, whose inner end has a bevel, I, which engages with the bevel-wheel J, on the upper end of the shaft K.

The shaft K is journaled in bearings in the frame C and the central post L, which rises therefrom, and has two or more sets of dashers. The office of the upper set is to stir up and break the fruit, and that of the lower set to revolve in contact with the bottom of the kettle, and keep the fruit from becoming burnt thereon.

The frame C and the set-screws D may be of sufficient length to adapt them to varying sizes of kettles, and the gearing may be raised in speed or in other respects.

The lids M M are hinged to the bar C, which forms the frame, and have notches at their ends, where they would come in contact with the bail in opening.

Any requisite number of dashers may be used, but it is desirable that the lower one shall move in contact with the bottom of the kettle, and conform in shape thereto. The central shaft may have a bearing or support in the bottom of the kettle, if deemed necessary.

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

In a fruit-butter stirrer, the detachable frame C, with lids M, constructed and arranged as described, provided with the flanges E F, and supporting the posts G, having the shafts H upon one side of the vertical stirrer K, as herein shown and described.

To the above specification of my invention I have set my hand, this eighteenth day of January, A. D. 1867.

M. G. COLLINS.

Witnesses:

HENRY BREWSTER,  
JNO. BREWSTER,