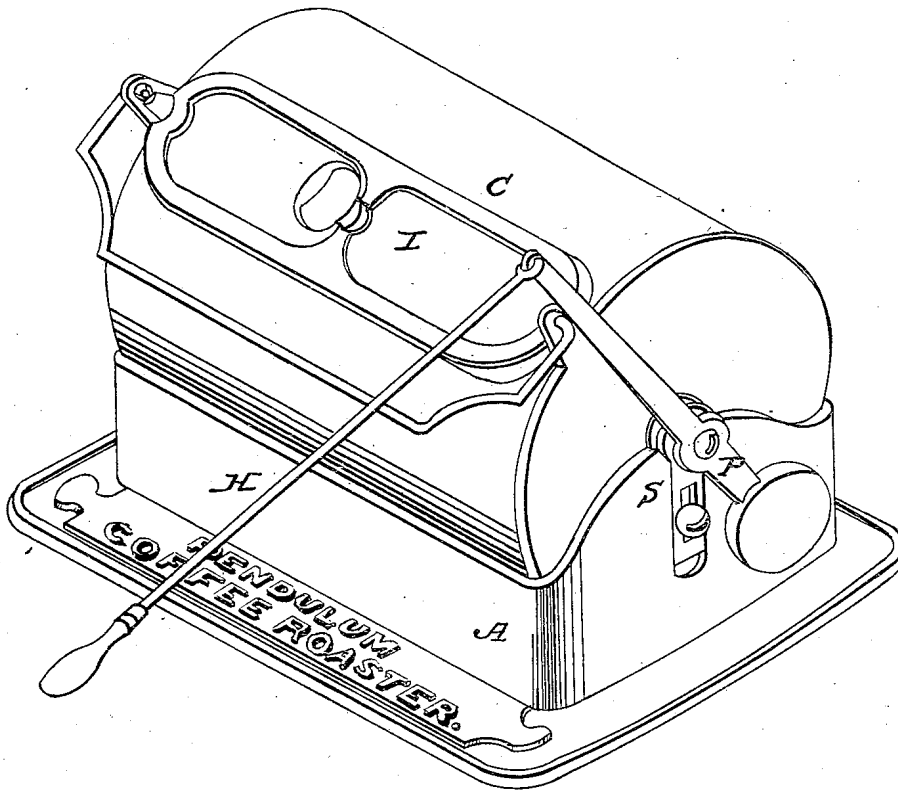


B. K. MALTBY.  
Coffee Roaster.

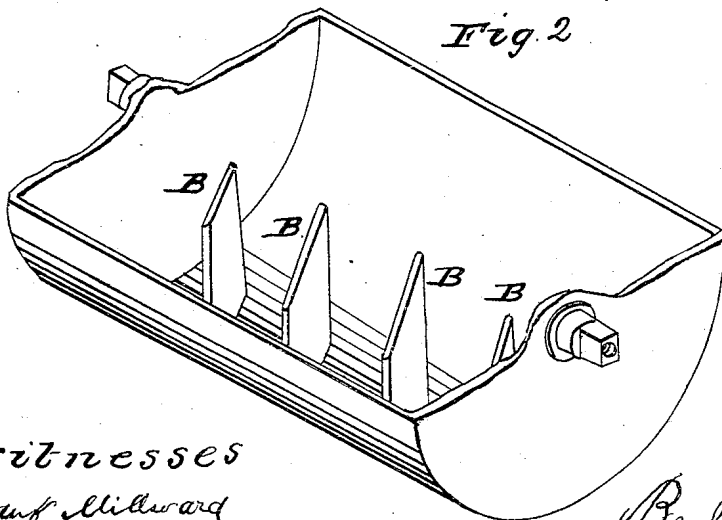
No. 89,490.

Patented April 27, 1869.

*Fig. 1.*



*Fig. 2.*



witnesses  
Frank Millward  
Charles Pickles

Inventor  
Benjn. K. Maltby

# United States Patent Office.

BENJAMIN K. MALTBY, OF CINCINNATI, OHIO.

Letters Patent No. 89,490, dated April 27, 1869.

## IMPROVEMENT IN COFFEE-ROASTERS.

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

Be it known that I, BENJAMIN K. MALTBY, of Cincinnati, county of Hamilton, and State of Ohio, have invented a new and useful Apparatus for Roasting Coffee, called, from its peculiar structure, the "Pendulum Coffee-Roaster;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure I is an exterior perspective view, giving the form and external combination of parts as put together for use; and

Figure II, an axial perspective section, showing the lower half of the cylinder, with the internal arrangement, for properly moving the coffee during the roasting-process.

The structure, as shown in Fig. I, consists of a stationary bed, marked A, which holds the cylinder, and is fitted to rest upon a stove or other heating-apparatus, and an oscillating cylinder, marked C, closed at the top by the lid L.

In the bottom of this cylinder, as shown in Fig. II, are narrow, upright blades B B B B, arranged so as to form oblique channels through which the coffee is forced back and forth by this oscillating motion.

There is a pendulum attached to one gudgeon of the cylinder, marked P, Fig. I, the lower end made heavy to offset the coffee and promote reaction after the cylinder has rolled nearly to a horizontal position.

The upper end of the pendulum receives the handle or moving-rod H, by which motion is given to the cylinder either by the hand or machinery.

There is also a perpendicular slide at each end of the roaster, marked S, receiving the gudgeon of the cylinder.

In the slide is an oblong slit or mortise, through which a screw passes, fastening it to the stationary bed.

By means of these slides the cylinder may be raised or lowered to secure an exact fit to the stationary bed in which it oscillates.

The whole may be made of cast-iron, copper, sheet-iron, or other metal, and the cylinder cast whole or in two pieces.

The advantages of the pendulum roaster over all others heretofore invented, is its neatness, ease of operation, adaptation for being moved by machinery or the hand, or by a person sitting at a distance from it. By the employment of the oscillating motion, fixtures for closing and handling it may be appended without interfering with the fitting of the cylinder to the bed. This motion also forces the coffee through the above-described oblique channels, so that suitable motion is given to the roasting coffee, thus obtaining perfect action while beauty of form is secured.

### Specification of Claim.

What I claim as my invention, and desire to secure by Letters Patent, is—

The oscillating cylinder, furnished with oblique channels and movable slides for adjusting the position of the cylinder, and a pendulum, the whole constructed and arranged to operate substantially as described, and for the purpose specified.

In testimony of which invention, I hereunto set my hand, this 25th day of February, 1869.

BENJ. K. MALTBY.

Witnesses:

M. DIESINGER,  
J. MALTBY.