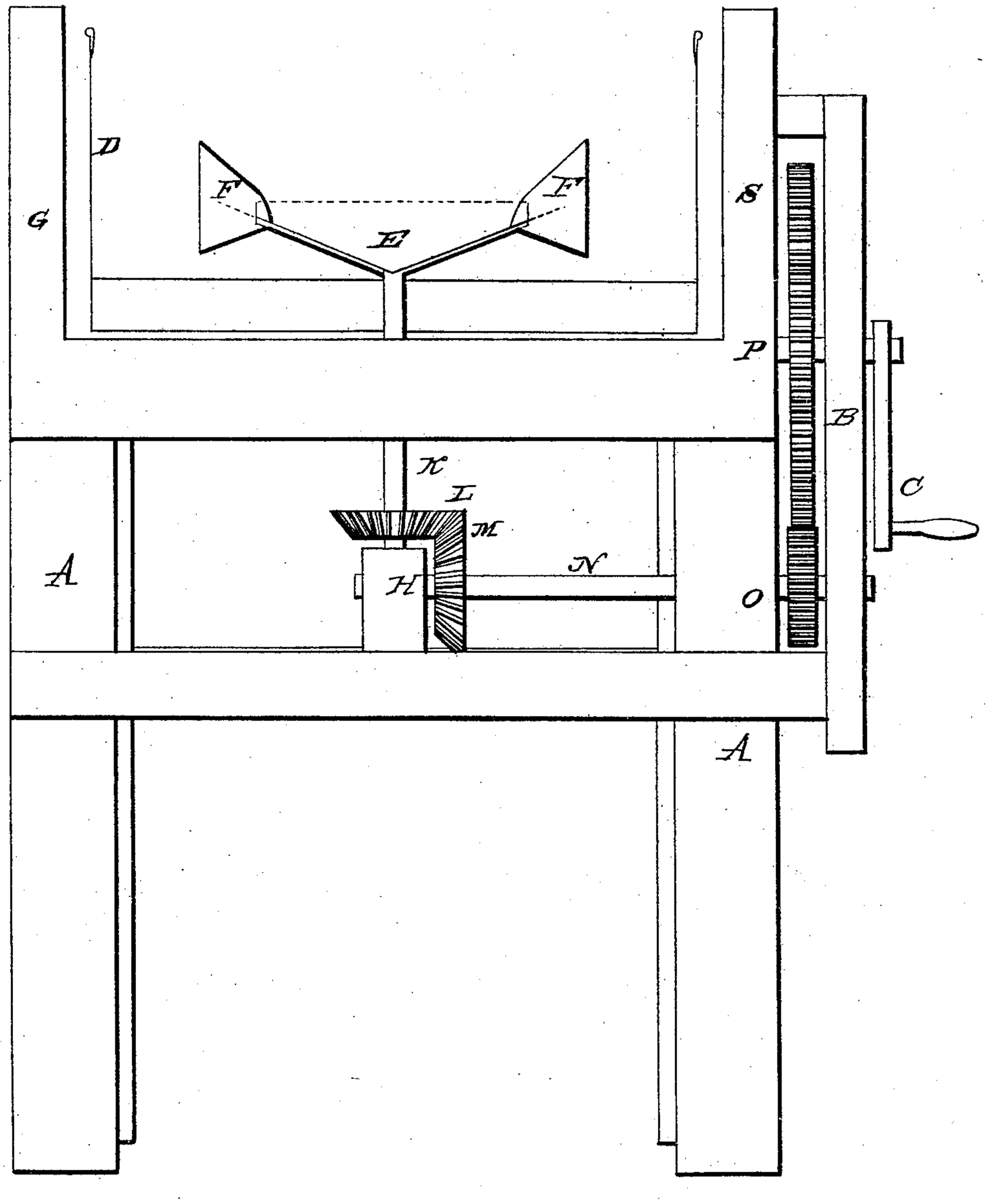
HASKET & COX.

Centrifugal Sugar Machine.

No. 59,598. Patented Nov. 13, 1866.



WITNESSES

Henry Stuckler

Thos. D. Mitchell

INVENTOR

Kees. Hasket.

Weller B. Cox

UNITED STATES PATENT OFFICE.

R. HASKET AND W. B. COX, OF WEST MILTON, OHIO.

IMPROVEMENT IN CENTRIFUGAL MACHINES FOR DRAINING SUGAR.

Specification forming part of Letters Patent No. **59,598,** dated November 13, 1866.

To all whom it may concern:

Be it known that we, REES HASKET and WELLER B. COX, of West Milton, in the county of Miami, in the State of Ohio, have invented an Improved Centrifugal Sugar-Mill; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The nature of our invention consists in a new device for distributing the sirup onto the screen of the ordinary centrifugal sugar-mill.

To enable others skilled in the art to make and use our invention, we will proceed to describe its construction and operation.

The figure represents the sugar-mill in perspective, with the exception of a sectional view of the external vessel, screen, and distributing device.

A A represent the frame, the upper part of which with the part H furnishes bearings for the shaft K, and the parts H and B support the shaft N, and the upper part of the frame and part B support the axle P. Power being applied to the crank C, through the cog-wheels S and O, motion is given to the shaft N, and by the bevel-gear M and L motion is communicated to the circular screen D.

G is a section of a square wooden box which incloses the screen, and into which the sirup passes after the granulated portion is separated by the screen.

The bottom of the screen is attached to the shaft K, and to the bottom of the screen or to the shaft is attached the vessel E.

The upper surface of this distributing-vessel is concave, and such is the angle that if continued to the screen it would strike it about midway between the top and bottom.

The dotted lines indicate the direction of the sirup when distributed by the centrifugal force when the rim and wings are dispensed with.

When a series of triangular wings, F F, are attached a rim is also attached, as shown in the figure, which is cut away forward of each of the wings, these spaces serving to let the sirup pass onto the wings, from which the sirup is more perfectly distributed than if it passes from the plain surface of the distributing-vessel.

The sirup, when the machine is being operated, falls into the vessel E, and is distributed from the plain surface at the periphery, or when constructed with a rim and wings the edge of the wings form the point of distribution. The wings, instead of being set at right angles with the distributing-vessel, may be attached at an angle of about forty-five degrees.

What we claim, and desire to secure by Letters Patent, is—

The distributing device E, when constructed with a plain concave surface, as described and represented, or when wings F are attached in the manner as set forth, and arranged with reference to a centrifugal sugar-mill, substantially as described.

REES HASKET.
WELLER B. COX.

Witnesses:

HENRY STRICKLER,
THOS. D. MITCHELL.