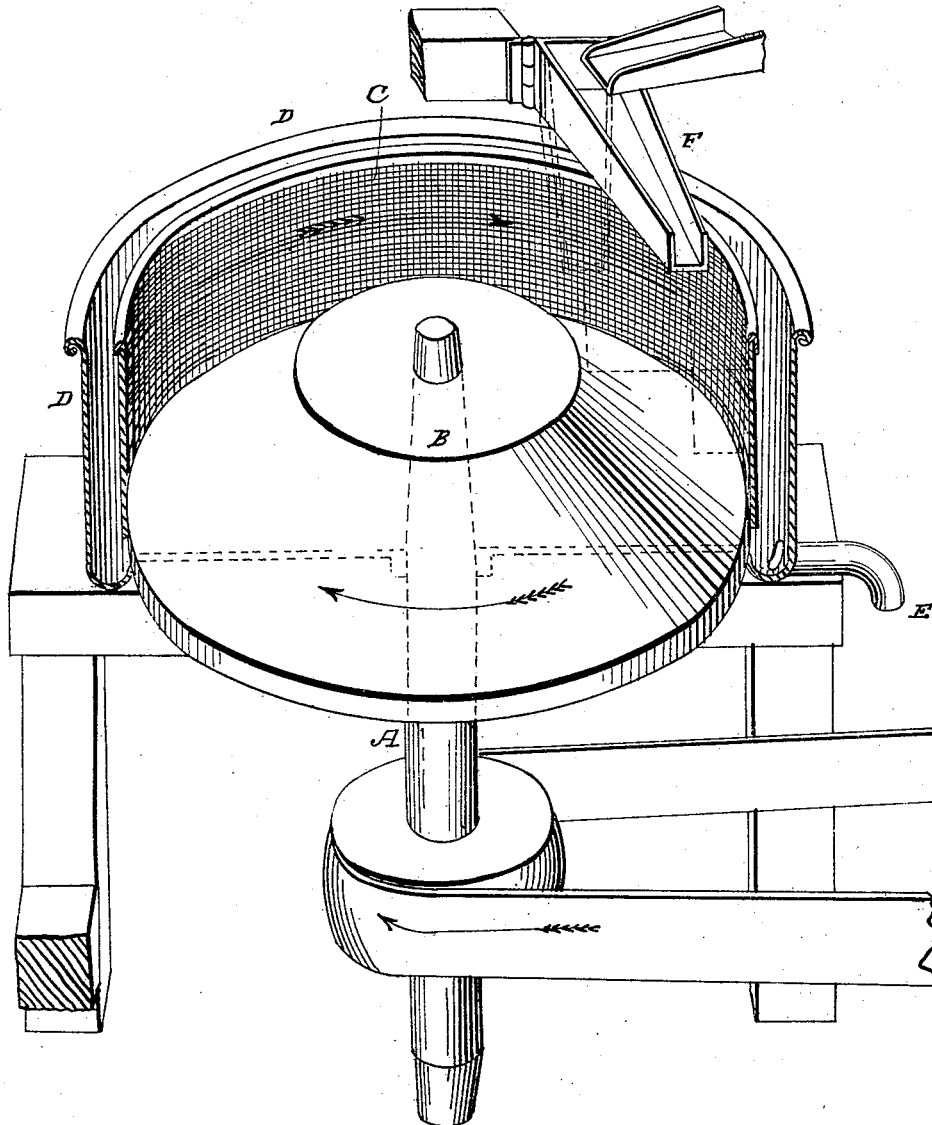


H. HUNT.
Centrifugal Sugar Machine.

No. 53,448.

Patented March 27, 1866.



WITNESSES:

F. Willard
James B. Lynam

INVENTOR

H. Hunt
Mrs. Knight
att'y

UNITED STATES PATENT OFFICE.

HARVEY HUNT, OF OSKALOOSA, IOWA.

IMPROVED CENTRIFUGAL MACHINE.

Specification forming part of Letters Patent No. 53,448, dated March 27, 1866.

To all whom it may concern:

Be it known that I, HARVEY HUNT, of Oskaloosa, Mahaska county, State of Iowa, have invented a certain new and useful Improvement in Sugar-Separators; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification.

This is an improvement in the class of sugar-separators which act by projecting the sirup with a rapid centrifugal motion against a rotating sieve or screen; and the invention consists in the provision of a conical deflector, which operates to project the sirup in horizontal lines against any desired part of the screen.

The accompanying drawing is a partially-sectionized perspective view of an apparatus embodying my invention.

A rapidly-rotating vertical shaft, A, is surmounted by my conical deflector B, forming the elevated floor or bottom of a screen or colander, C, of wire-gauze or perforated sheet metal.

D is an annular vessel, called the "receiver," into which the molasses escapes, and from

which it is conducted off by means of a suitable spout, E.

A spout, F, may be employed to lead the granulated sirup into different parts of the deflector, or the sirup may be simply poured onto the deflector from a vessel held in the hand of the operator.

In the common flat-bottomed separator the great bulk of the work is thrown upon the lower meshes of the screen, which consequently soon become clogged and the apparatus ceases to be effective. With my improvement the sirup may be equally projected on every part of the screen, or even most against the upper part, if so desired.

I claim herein as new and of my invention—

The construction of a centrifugal sugar-separating screen with a conical floor or deflector, substantially as and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

HARVEY HUNT.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.