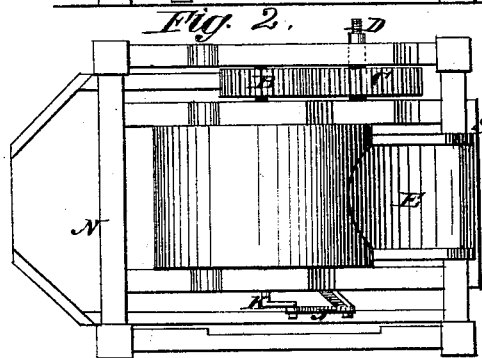
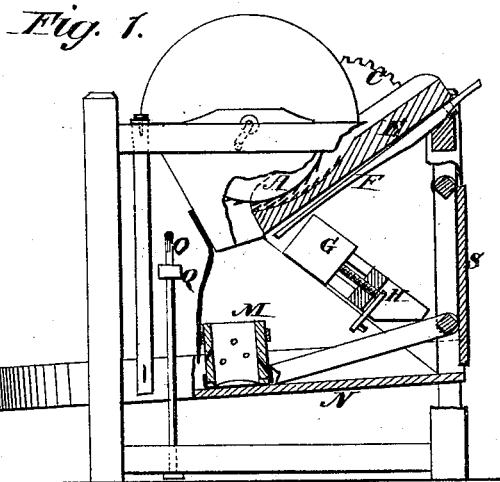


J. T. GRIFFIN.
CIDER-MILL.

No. 181,839.

Patented Sept. 5, 1876.



WITNESSES:

Francis McArdle,
John Goethals

INVENTOR:

J. T. Griffin
BY *Wm. H. [Signature]*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN THOMAS GRIFFIN, OF GRANT, TENNESSEE.

IMPROVEMENT IN CIDER-MILLS.

Specification forming part of Letters Patent No. **181,839**, dated September 5, 1876; application filed May 27, 1876.

To all whom it may concern:

Be it known that I, JOHN THOMAS GRIFFIN, of Grant, in the county of Smith and State of Tennessee, have invented a new and Improved Cider-Mill, of which the following is a specification:

The invention will first be described in connection with drawing, and then pointed out in the claim.

Figure 1 is a section of the cider-mill, and Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

A is the revolving drum, which is geared with the hand-crank by the pinion B and wheel C, and is armed with teeth, for which I prefer to use nails for a cheap machine. E is the hopper, being a straight board, which is arranged on a steep incline, with its lower toothed portion under the cylinder, and being supported by a spring, F, which keeps it sufficiently close to the cylinder, and allows it to spring back. G is a regulator to the spring, worked by a

screw, H, and hand-crank for setting it, as required. M is a perforated crib, resting on platform N, in which the juice is expressed from the crushed fruit by a follower operated by a lever hooked under yoke O, and prevented from driving the yoke together by bar Q. S is a folding table, arranged in connection with the hopper for holding the material to be treated while being fed into the machine. It is made to fold out of the way, for convenience in storage and in moving the machine about.

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

The yoke O, platform N, and crib M, combined with the grinding cylinder and hopper, substantially as specified.

JOHN THOMAS GRIFFIN.

Witnesses:

ROBERT BRADLEY,
AZRA GRIFFIN.