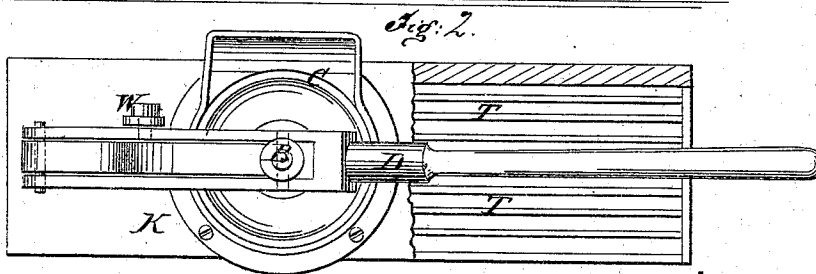
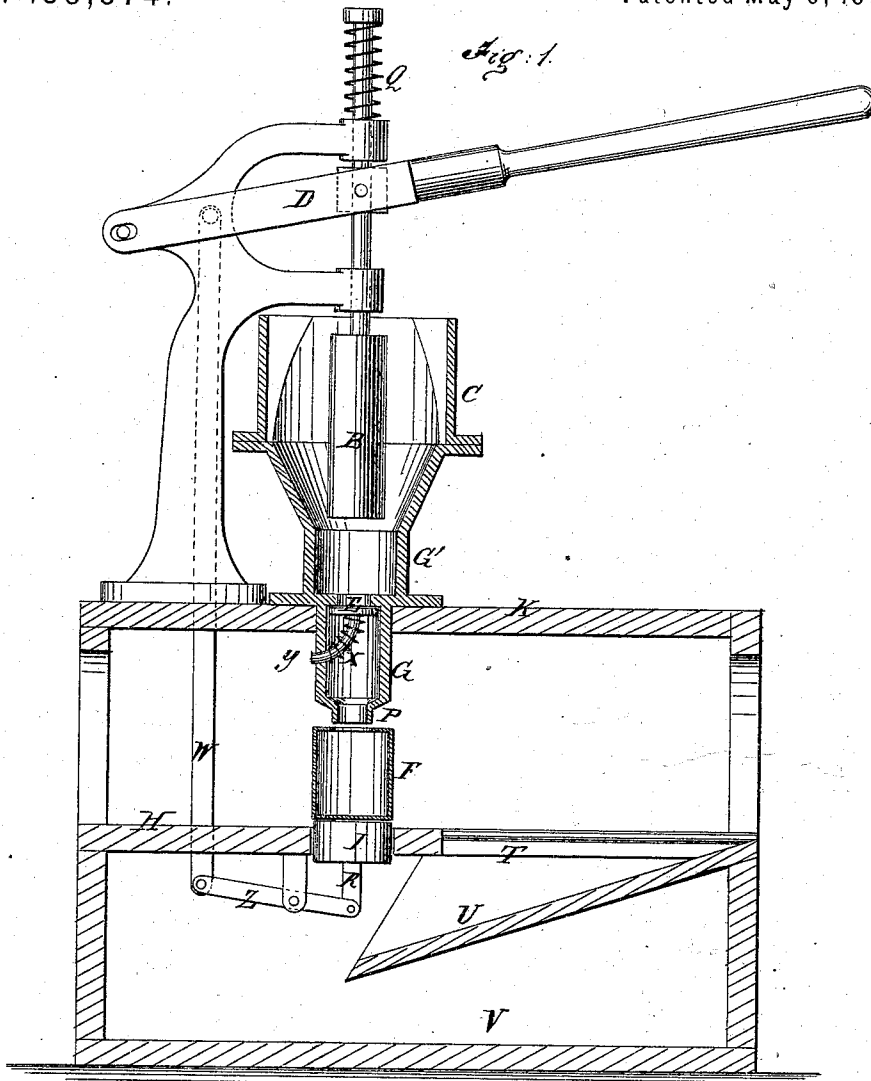


R. NEWTON.
Can-Fillers.

No. 138,574.

Patented May 6, 1873.



Witnesses:

Craig Nida
C. Sedgwick

Inventor:

R. Newton
Per *Munnell*
Attorneys.

UNITED STATES PATENT OFFICE.

ROBERT NEWTON, OF MILLVILLE, NEW JERSEY.

IMPROVEMENT IN CAN-FILLERS.

Specification forming part of Letters Patent No. **138,574**, dated May 6, 1873; application filed April 5, 1873.

To all whom it may concern:

Be it known that I, ROBERT NEWTON, of Millville, in the county of Cumberland and State of New Jersey, have invented a new and Improved Can-Filler, of which the following is a specification:

My invention consists of a hopper, in which the tomatoes are placed, which tapers down to a cylindrical chamber at the lower part about the size of the can to be filled, and has a collar or nozzle at the lower end to enter a hole in the top of the can while the latter is being filled; also, a self-closing valve to prevent the escape of the tomatoes while the cans are being changed, and in which said hopper there is a plunger, with which a lever is arranged to force it down to fill the can, and a spring to lift and hold it up after filling, and below the nozzle of the hopper is a vertically-movable rest for the cans, which is so connected with the lever for working the plunger that the can is raised up to the nozzle, and the nozzle is caused to enter the can, when the plunger begins to act to discharge the tomatoes into it. Below the rest for the can is a receptacle for the juice and fine matters escaping in the operation, into which they pass through a grating, over which the filled cans are passed along in being delivered from the machine.

Figure 1 is a sectional elevation of my improved machine, and Fig. 2 is a plan view with a part of the case or frame sectioned.

Similar letters of reference indicate corresponding parts.

C is a hopper, having a conical bottom terminating in a cylindrical chamber, G', of the same size below the support K of the machine as the can to be filled, and extends to a short distance above the rest I, whereon the can F is placed under the chamber G to be filled. The can is lifted up to the end of chamber G to receive a collar or nozzle, P, in the hole in its top to hold it in place while being filled,

and to guide the tomatoes into it. The rod R forces it up where the lever D is pressed down to force the tomatoes into the can by a plunger, B, within the hopper. A valve, E, is arranged in the chamber G, closing upward by a spring, X, to close the hopper when the plunger is raised after filling a can to hold the contents of the hopper while removing the filled can and presenting an empty one. This valve is fixed on the curved stem Y, which works in a hole in the side of the chamber G'.

I also propose to use a sliding valve and actuate it by the lever D to close it as the plunger raises.

The rod R is connected to lever D by lever Z and rod W. The plunger is held up by a spring, Q. The hopper C will be filled around the plunger, which will rise and let a portion of the tomatoes fall under the end at each operation. The table H, whereon the cans are moved onto and away from the rest I, will have slots T through it, and a sloping shelf, U, below to receive the droppings and conduct them into a receptacle, V.

The apparatus is applicable for filling cans with other fruits as well, and I propose to use it for any that I may wish. Cans of any ordinary sizes for fruit may be filled with it.

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

1. The hopper C, chamber G', valve E, collar P, lifter R, and an actuating-lever combined and arranged for filling cans with tomatoes, substantially as specified.

2. The receptacle V, chute U, and slotted table H, combined with the can-filling apparatus described in the foregoing claim, substantially as specified.

ROBERT NEWTON.

Witnesses:

ENOCH B. WALLEN,
EDWARD S. WALKER.