

(No Model.)

F. H. CHASE.
RAISIN SEEDER.

No. 536,778.

Patented Apr. 2, 1895.

FIG. 1.

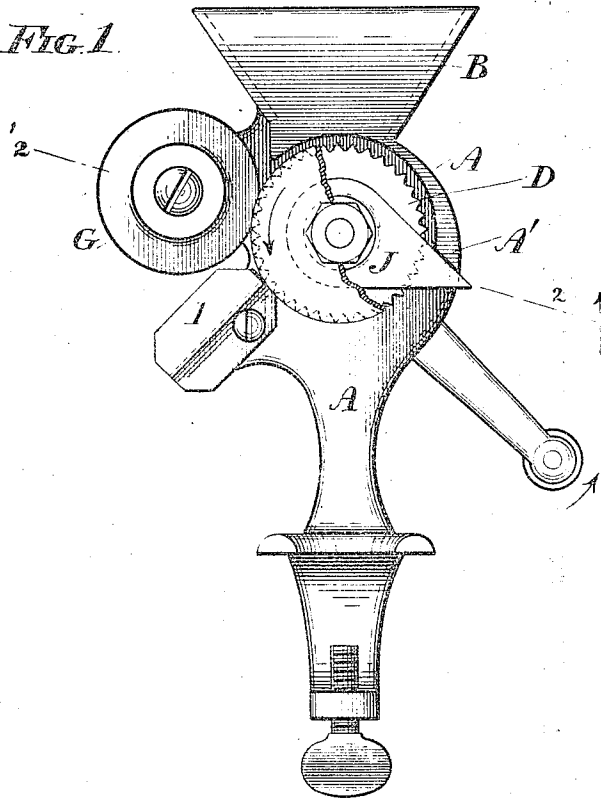
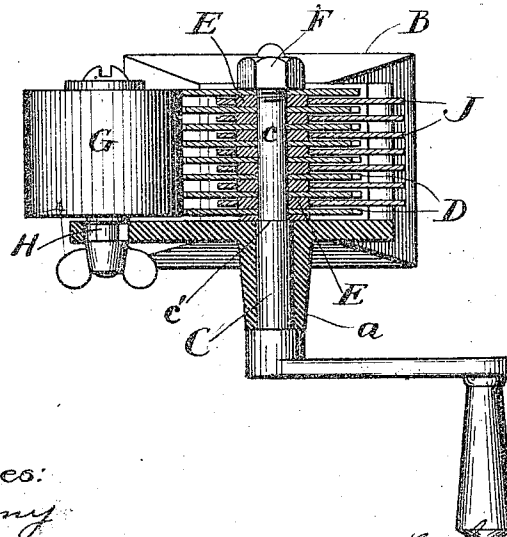


FIG. 2.



Witnesses:
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RAISIN-SEEDER.

SPECIFICATION forming part of Letters Patent No. 536,778, dated April 2, 1895.

Application filed November 23, 1894. Serial No. 529,784. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. CHASE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Raisin-Seeders, of which the following is a specification.

The present invention relates to that class of seeders which have a circumferentially grooved cylinder upon which the pulp is impaled by some suitable device, such as a soft roller, and strippers for stripping the pulp from the cylinder after the seeds have been disposed of, and it consists in certain novel features in the construction of the strippers, that are particularly pointed out in the claims hereinafter.

Heretofore the pulp-strippers have been constructed of a comb-like piece of sheet metal secured to the frame so that its teeth project into the grooves of the cylinder, and the object of the present invention is to provide strippers that possess advantages that strippers thus constructed do not.

In order that the invention may be fully understood, I will describe it with reference to the accompanying drawings, which are made a part hereof, and in which—

Figure 1 is a side elevation of a raisin seeder embodying the invention, a portion of the cylinder being broken away. Fig. 2 is a section thereof on the line 2—2, looking in the direction of the arrow.

A represents the frame which may be of any suitable construction and is preferably provided with means for clamping it to a table and surmounted by a hopper B. Beneath this hopper the frame is provided with a tubular extension *a* which affords a bearing for the crank-shaft C. A portion *c* of this shaft is of reduced diameter to form a shoulder *c'* and on this reduced portion fit a number of disks D and washers E alternating with each other, a nut F being turned on to the end of the shaft for clamping the disks and washers against each other and against the shoulder of the shaft, with such firmness that they will not be moved independently of each other by any strain that they will be subjected to in use. The disks and washers thus become, in effect and to all intents and purposes, a cylinder having circumferential grooves, against

which the raisins are pressed by the soft roller G, which is mounted to turn freely upon a shaft H suitably secured to the frame. When the cylinder is turned in the direction of the arrow raisins fed into the hopper will be carried between the cylinder and roller. The latter is sufficiently soft to yield to the pressure of the seeds and at the same time sufficiently firm to impale the pulp upon the cylinder, forcing much of it into the grooves. Below the soft roller is located the seed stripper I, and beyond this in the direction of rotation, are located the pulp strippers which preferably consist of a number of plates J located in the grooves and suspended from the axis of the cylinder. These strippers are of less thickness than the washers E and each is provided with a perforation for receiving one of said washers. It is sufficiently long to project beyond the periphery of the cylinder and bear against a stop A', by which it is prevented from turning with the cylinder. As the pulp comes against the edges of these strippers they are carried to the positions shown in the drawings, coming against the stop, and when in this position they will strip the pulp from the cylinder and permit it to fall. Strippers thus constructed are simple, easily made, can not possibly be broken by any strain that can be put upon them by ordinary usage, and enable the parts to be cleaned with great facility.

What I claim is—

1. In a raisin seeder, the combination with a suitable frame, a pulp cylinder having portions of reduced diameter, means for impaling the pulp upon the cylinder and means for turning the cylinder, of a number of strippers suspended from the reduced portions of the cylinder and projecting beyond the periphery of the cylinder, substantially as set forth.

2. In a raisin seeder the combination with a frame, a pulp-cylinder having a number of circumferential grooves, and means for turning the cylinder, of a number of strippers suspended in the grooves, from the axis of the cylinder, and projecting beyond the periphery of the cylinder, and means for preventing the strippers from turning with the cylinder, substantially as set forth.

3. In a raisin seeder, the combination with a frame and a shaft of a number of disks car-

ried by the shaft, a number of washers alternating with the disks, a number of strippers loosely suspended from the washers and projecting beyond the peripheries of the disks, and a stop for preventing the strippers from turning with the disks, substantially as set forth.

4. In a raisin seeder, the combination of a frame, a shaft journaled therein, and having a shoulder, a number of disks and washers arranged on the shaft alternately, so as to form a circumferentially grooved cylinder, a nut

turned on to the shaft and clamping the disks and washers against each other and against the shoulder of the shaft, a number of strippers perforated to fit loosely over the washers and projecting beyond the periphery of the cylinder, and a stop for preventing the strippers from turning with the cylinder, substantially as set forth.

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Witnesses:

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