(No Model.)

# E. OLSEN.

## DEVICE FOR CLEANING, SIFTING, AND STEMMING FRUIT.

No. 438,940. Patented Oct. 21, 1890.

Fig. 1.

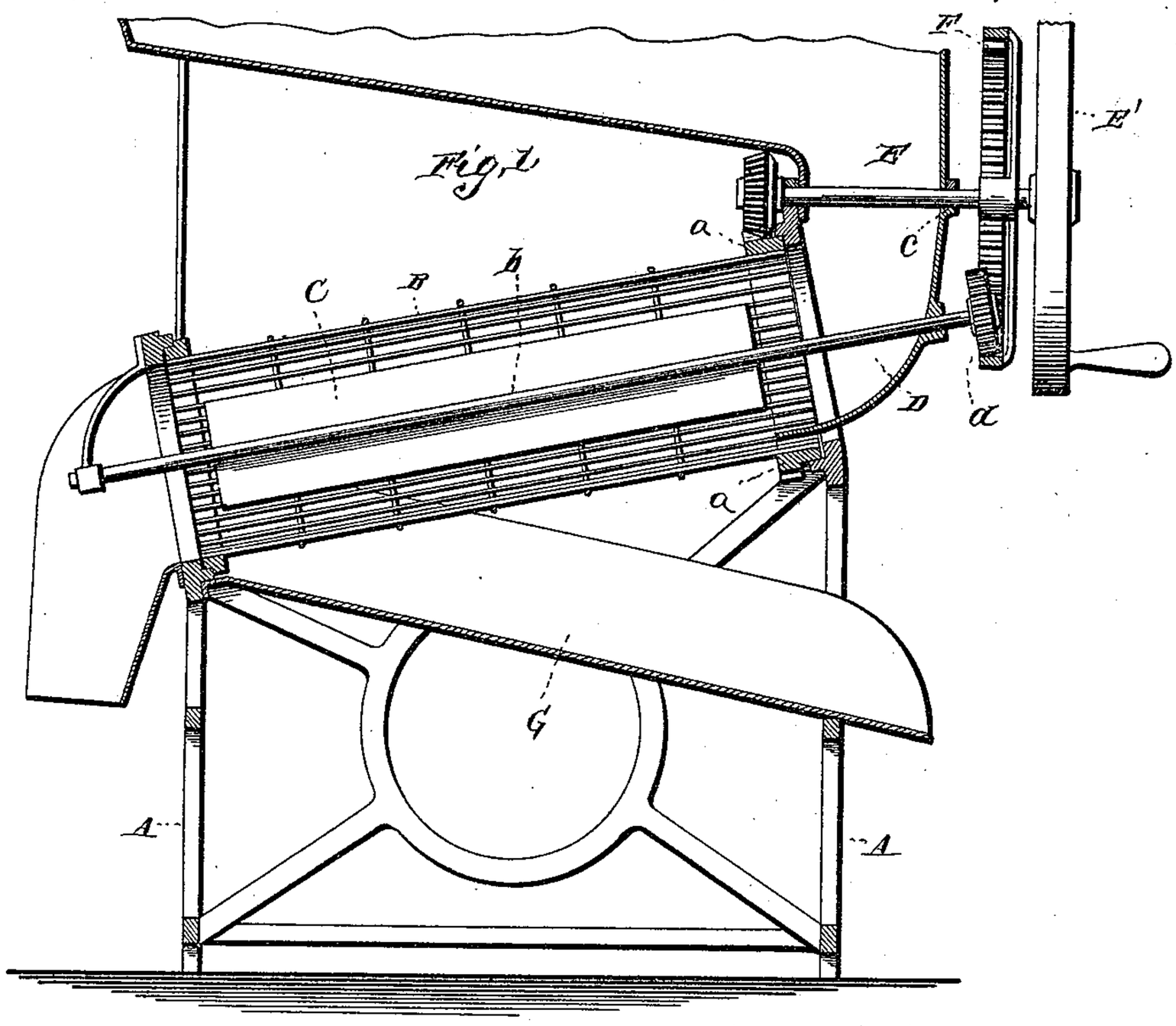
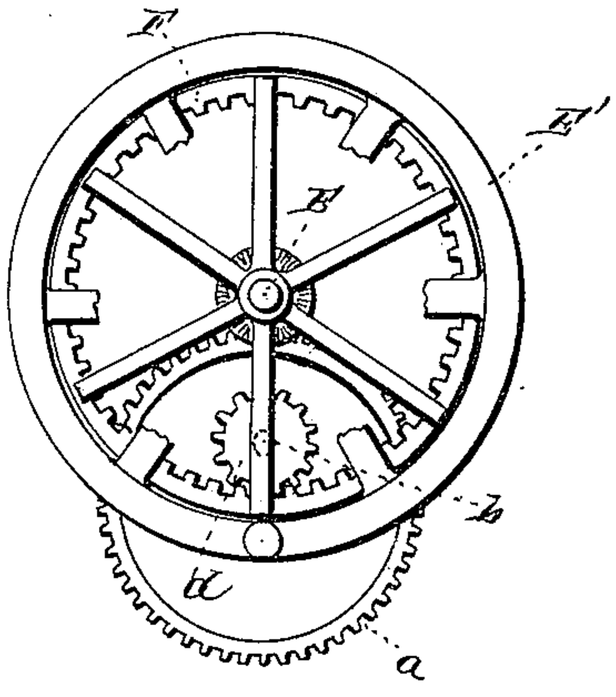



Fig. 2.




WITNESSES

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# UNITED STATES PATENT OFFICE.

ENGELBRECHT OLSEN, OF WALKERVILLE, MONTANA, ASSIGNOR TO JOSEPH BROUGHTON, OF SAME PLACE.

## DEVICE FOR CLEANING, SIFTING, AND STEMMING FRUIT.

SPECIFICATION forming part of Letters Patent No. 438,940, dated October 21, 1890.

Application filed April 1, 1890. Serial No. 346,185. (No model.)

*To all whom it may concern:*

Be it known that I, ENGELBRECHT OLSEN, a citizen of the United States, and a resident of Walkerville, in the county of Silver Bow and State of Montana, have invented certain new and useful Improvements in Devices for Cleaning, Sifting, and Stemming Fruit; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a vertical longitudinal section. Fig. 2 is a detail view.

This invention relates to certain improvements in cleaners for raisins, currents, &c.; and it consists of the novel construction and combination of parts, as will appear from the following description and accompanying drawings.

In the drawings, A A refer to end supports or frames, upon which the various parts of my invention are mounted.

B is a revolving inclined cylindric sieve, which bears at its lower delivering end in one end frame or support A, while its upper end bears in the other end frame A and is provided with a circular rack *a*, secured to the sieve.

C is a fan of rectangular frame-like construction, arranged centrally and longitudinally within the sieve B, its shaft *b* being suitably journaled, one end in one end of a hopper D and its other end in one end frame or support A. The hopper has communication with the sieve by means of the curved extension of the latter, as shown.

E is a horizontal shaft bearing at one end in a suitable support *c* within the upper or feeding end of the hopper and passing through that end of the hopper and having one end provided with a beveled pinion engaging the circular rack *a* on the sieve B for the rotation of the latter. The outer end of the shaft E is provided with a handled balance-wheel E′ and carries a large toothed wheel or pinion F, engaging or geared to a small pinion *d* on the outer end of the fan-shaft *b* and revolving the fan in an opposite direction to that in which the sieve B is revolved.

G is a spout suitably supported by the end frames A A beneath the sieve B and arranged in an oppositely-inclined position.

The raisins or currants fed into the upper end of the sieve will be thoroughly shaken or agitated in their passage therethrough, detaching by contact with the wire cloth of the sieve the stems from the raisins or currants and delivering the latter into a box or receptacle. The stems and other refuse or foreign particles eliminated from the raisins or currants passing through the sieve B will fall and be received upon the spout G, being discharged therefrom as desired.

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

The combination of the feed-hopper having an inclined bottom, the oppositely-inclined sieve communicating by a curved extension with the lower end of said hopper and having an external circular rack at its upper end, the fan within the sieve, the pinion at the upper end of the fan-shaft, and the horizontal handled wheel-shaft having at one end the beveled pinion engaging the circular rack and at the other end an internal gear-wheel engaging the pinion on the fan-shaft.

In testimony whereof I affix my signature in presence of two witnesses.

ENGELBRECHT OLSEN.

Witnesses:

E. A. BIDENBERG,

JOSEPH BROUGHTON.