

W. M. JACKSON.

GRIT-SEPARATOR.

No. 173,013

Patented Feb. 1, 1876.

Fig. 1.

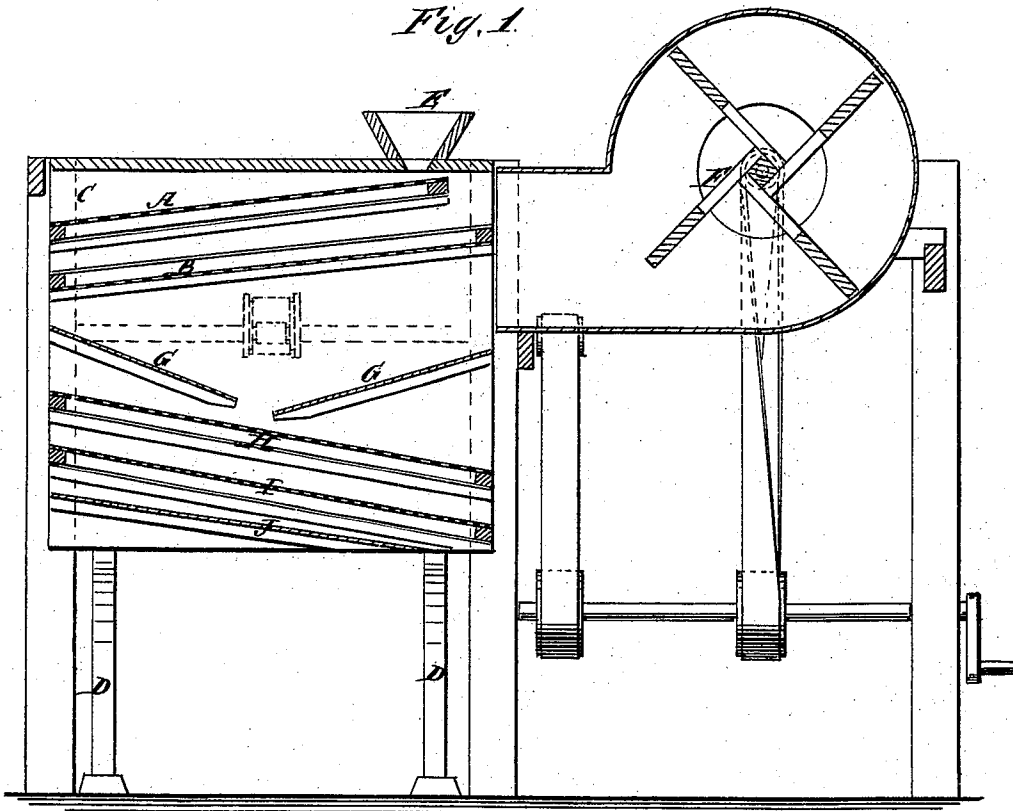
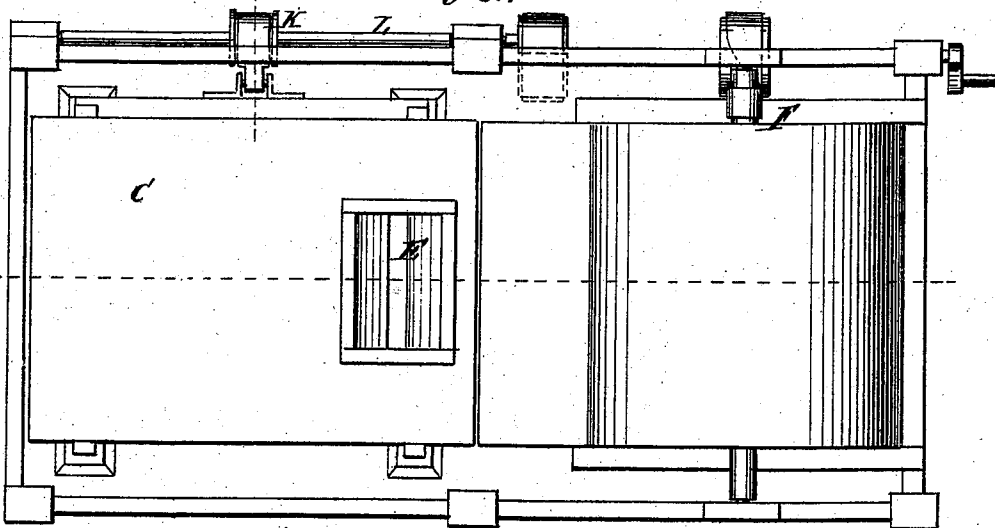


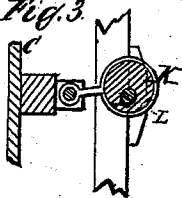
Fig. 2.



WITNESSES:

E. W. H. A. J. Perry

Fig. 3.



INVENTOR:

W. M. Jackson

BY

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# UNITED STATES PATENT OFFICE.

WALTER M. JACKSON, OF AUGUSTA, GEORGIA.

## IMPROVEMENT IN GRIT-SEPARATORS.

Specification forming part of Letters Patent No. **173,013**, dated February 1, 1876; application filed September 26, 1874.

*To all whom it may concern:*

Be it known that I, WALTER M. JACKSON, of Augusta, in the State of Georgia, have invented a new and Improved Cleaner and Separator for Grits, Grain, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal sectional elevation; Fig. 2, a plan view, and Fig. 3 a detail view in section.

The object of this invention is to clean and grade grits by the same operation, a uniformity of size enabling them to be more homogeneously cooked.

The means by which I accomplish this will first be fully described, and then pointed out in the claim.

A B represent a pair of riddles, which detain and transversely shake the grain until the latter passes through their perforations, while the lighter impurities are eliminated in front of the winnower by a blast from the fan F, coming lengthwise, or at right angles to

the direction in which the riddles are moved. This is necessary, because if the blast and movement of the riddles were in the same direction they would combine to throw the grits off in front.

This transverse movement of the sieve-frame C may be effected by a cam, K, or in any other way. Beneath the lower riddle B is placed a pair of conveyers, G G, converging toward each other in a downward direction, and toward the middle of a subjacent grading-sieve, H. Below the latter may be one or more additional grading-sieves, I J, so as to make a greater or less number of sizes.

Having thus described my invention, what I claim as new is—

The combination, with fan F, of screens A B, chutes G G, and screens H I, all arranged in the same shaking-frame, substantially as and for the purpose specified.

WALTER MIXER JACKSON.

Witnesses:

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JOHN T. MILLER.