

T. I. FONTAINE.
Improvement in Flour-Sifters.

No. 128,031.

Patented June 18, 1872.

Fig. 1.

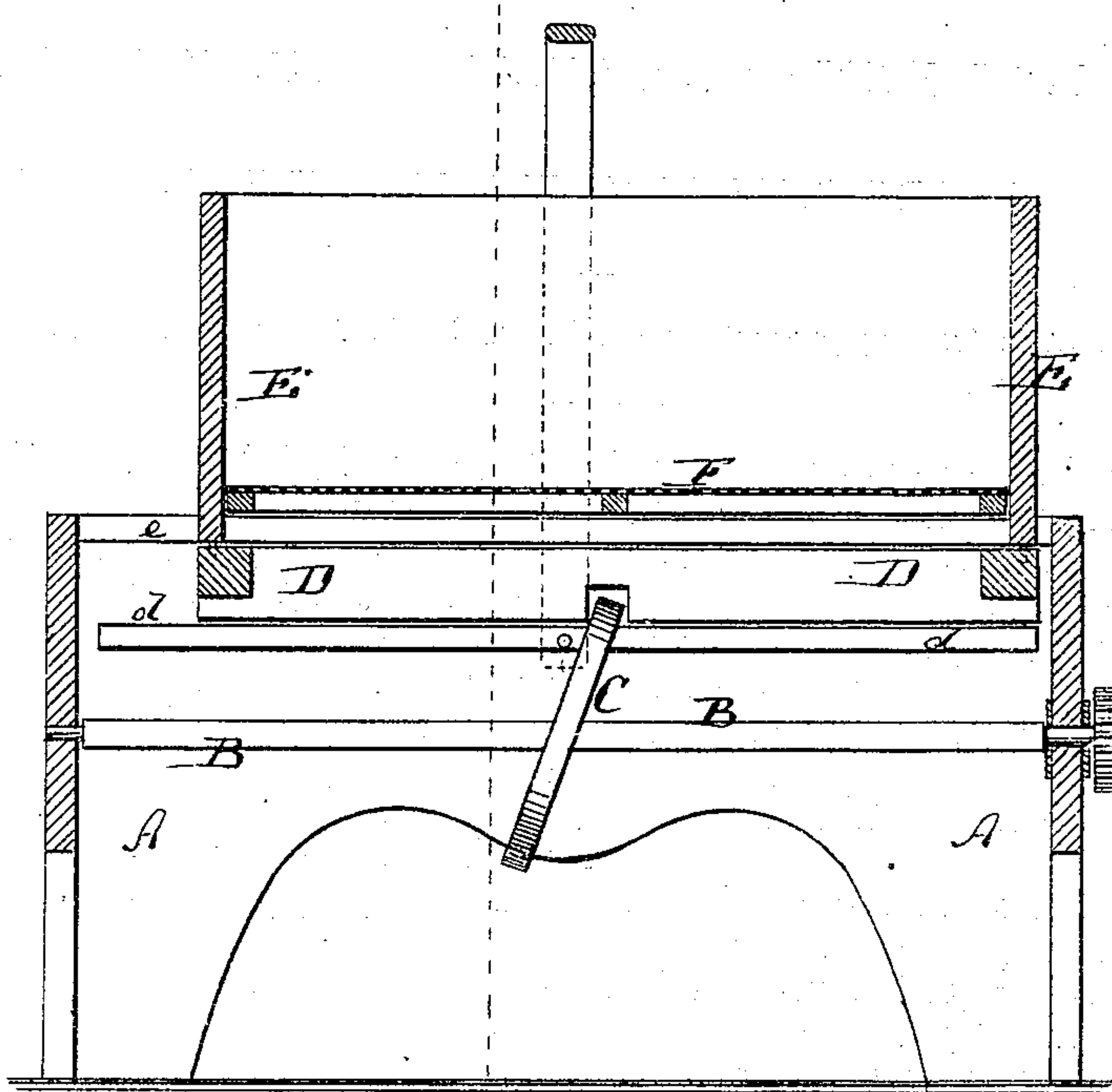
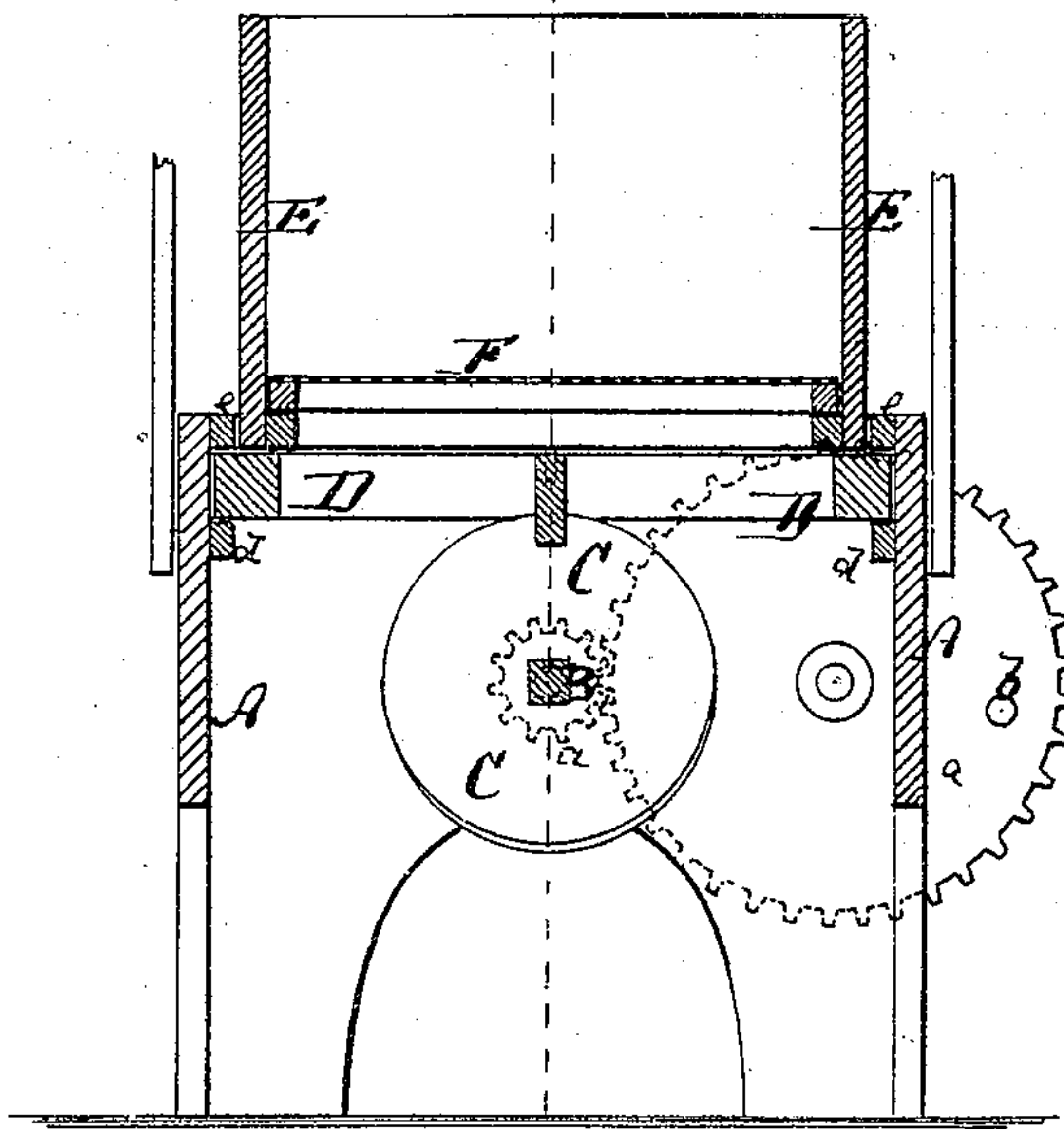


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS I. FONTAINE, OF NEW MADRID, MISSOURI.

IMPROVEMENT IN FLOUR-SIFTERS.

Specification forming part of Letters Patent No. 128,031, dated June 18, 1872.

Specification describing a new and Improved Flour and Meal Sifter, invented by THOMAS I. FONTAINE, of New Madrid, in the county of New Madrid and State of Missouri.

Figure 1 represents a vertical longitudinal section of my improved flour and meal sifter. Fig. 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved meal-sifter, formed principally of a frame reciprocated in suitable ways or guides, and of a box secured to said frame by dowel-pins, and adapted to receive sieves of varying grades of fineness, all as hereinafter described.

A in the drawing represents the supporting-frame of my improved sifter. In it are the bearings of a shaft, B, upon which an inclined disk, C, is mounted. By a suitable system of gearing, *a a*, or directly, the shaft B is connected with a crank-handle, *b*, whereby it can be turned. The disk C enters with its upper part a notch or indenture in a frame, D, which

rests on rails *d d* that are affixed to the frame A. Straps *e e* hold the frame D down on the rails *a*. When the shaft B is revolved the inclined disk, in turning with it, causes the frame D to be reciprocated on the rails *d*. E is the box containing the sieve F. It is put upon the reciprocating frame D and connected therewith by projecting dowel-pins or equivalent means. The sieve can be removed from the box E and replaced by others of varying grade.

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

The improved flour and meal sifter, formed by the combination, with the frame A, of the box E, a removable sieve, F, and frame D, secured in guides or ways *d e*, and reciprocated by the inclined cam or disk C on shaft B, arranged beneath the same, all as specified.

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Witnesses:

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