(No Model.)

J. JONES.

GRINDING MILL.

No. 245,176. Patented Aug. 2, 1881.

Fig. 1.

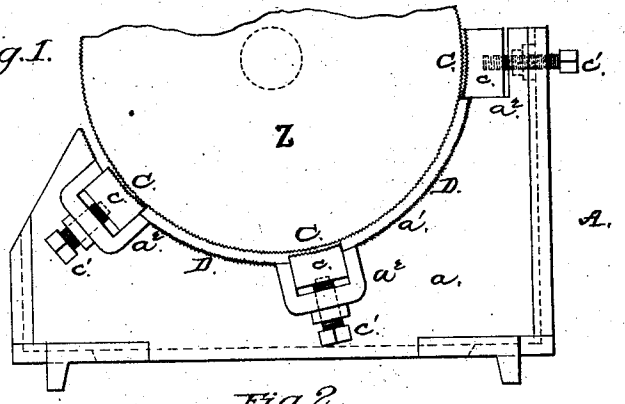


Fig. 2.

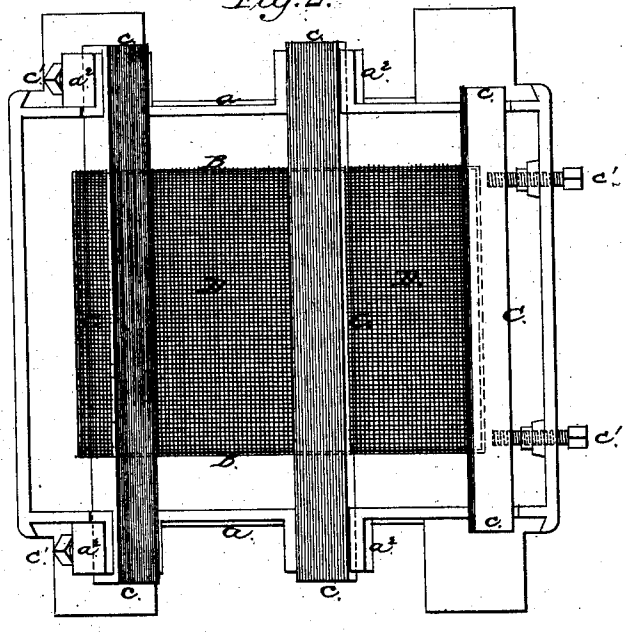
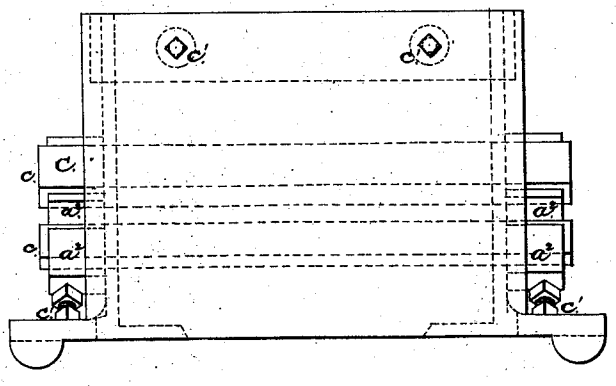


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

JAMES JONES, OF LOUISVILLE, KENTUCKY.

GRINDING-MILL.

SPECIFICATION forming part of Letters Patent No. 245,176, dated August 2, 1881.

Application filed April 30, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES JONES, a citizen of the United States, resident at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Grinding-Mills; and I do hereby 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 or figures of reference marked thereon, which form a part of this specification.

Figure 1 is an end view of the mill. Fig. 2 is a top view, and Fig. 3 is a side view.

This invention relates to improvements in grinding-mills.

In the annexed drawings, A represents a frame, rectangular, having straight sides and ends, the latter, *a a*, curved at *a' a'*.

The concave, as shown, has in the middle the rectangular opening B. In its ends, to the sides of this opening, the frame has the seats a^2, their number depending upon the number of segments or sections to be used.

C C represent the sections, the ends *c c* of which rest in these seats, and are regulated therein by the screws *c' c'*. This provides an independent end adjustment for the sections, whereby a nice adjustment can be made of one without affecting the others, and of one end more than the other. Stretched across the openings between these sections are the curved perforated metal sheets D D, forming the perforated aprons. The grain is reduced between the roller or grinding-cylinder Z and the sections of sectional concave. As the reductions are made the middlings sift through these aprons, obviating the necessity for and use of bolts, elevators, &c., and are carried off direct to the duster or manipulated at will.

I claim—

The frame A, having rectangular opening B, and seats a^2 on each side said opening, in combination with sections C, the ends of which rest in said seats and are regulated therein by screws *c'*, giving the sections independent end adjustment, curved perforated aprons D, stretched across the opening B, and the grinding-cylinder Z, as set forth.

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

JAMES JONES.

Witnesses:

D. K. STEPHENS,

CHAS. T. BALLARD.