J. Sedgebeer,

Millstone Dress.

No. 35,858. Patented July 8. 1862.

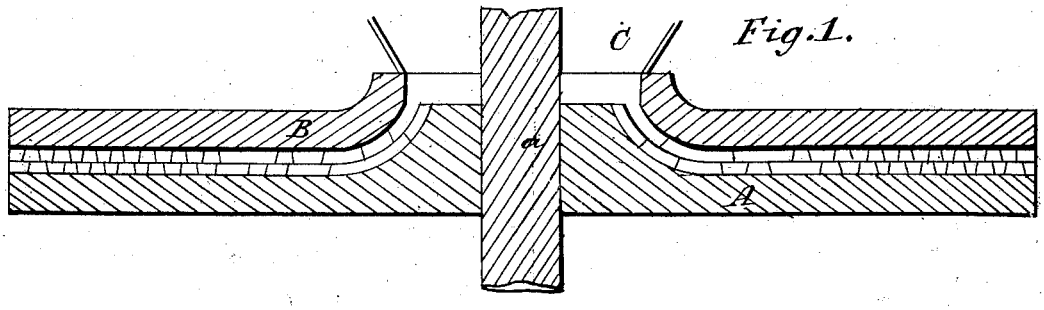

Fig. 1.

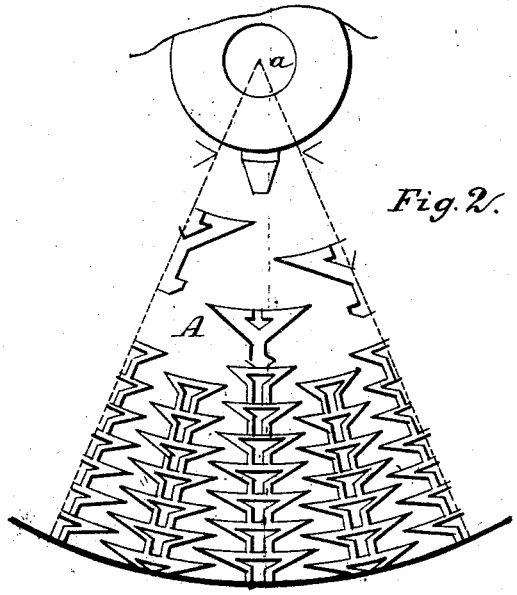

Fig. 2.

WITNESSES

Geo. Pybrum.
Wm. R. McComas.

INVENTOR

Joseph Sedgebeer

UNITED STATES PATENT OFFICE.

JOSEPH SEDGEBEER, OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF AND JAS. S. HAVEN, OF SAME PLACE.

IMPROVEMENT IN MILLSTONE-DRESSES.

Specification forming part of Letters Patent No. **35,858**, dated July 8, 1862.

To all whom it may concern:

Be it known that I, JOSEPH SEDGEBEER, of the city of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Millstone-Dresses; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and letters of reference marked thereon, which form part of this specification.

My invention has reference only to the form and design of what is known as the "millstone-dress," and is applicable only to mills with cast-iron grinding surfaces. The objects attained by adopting the particular form of dress described below are the production of a superior flour or meal and the avoidance of choking or of the discharge of incompletely-ground grain.

In order that others duly skilled may be enabled to understand and construct my invention, I shall proceed to describe it in detail.

In the accompanying drawings, Figure 1 is a vertical section through the two grinding-plates, showing the lower plate as revolving and the upper one as stationary. Fig. 2 is a geometrical projection of a portion of the face of lower plate, the face of upper one being precisely the same.

Like letters of reference designate like parts in both the drawings.

A represents the lower grinding-plate; *a*, the spindle going up through B, the upper plate. C is an indication of the hopper. Toward the eye of the plates the surface is formed somewhat conical, curving upward.

Referring, now, to Fig. 2, it will be seen that the design for dress consists of a series of Y-shaped figures, arranged one above the other in radial lines from the periphery to nearly midway from periphery to eye; afterward on every alternate radial line of figures larger sized Y's are formed, as may be seen on reference to Fig. 2. It will also be seen that the points of wings of Y's in one radial line fit in partly to the spaces between the Y's in another radial line, thus forming a zigzag passage outward from the eye of the plate.

The advantages of my improved dress are, first, the gradual and effectual manner in which the grain is cut and worked out toward the periphery as flour or meal—as it passes each line of Y-shaped figures it is forced out one degree farther to the outside; second, thus "choking" is effectually precluded, and also inefficient grinding is effectually prevented.

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

A mill-dress consisting, essentially, of a series of graduated Y-shaped figures arranged radially upon the grinding-plate, whether horizontal, vertical, or conical, substantially as and for the purpose set forth.

In witness whereof I have hereunto annexed Witnesses:

JOSEPH SEDGEBEER.

Witnesses:
WM. CLOUGH,
GEO. PYBURN.