

D. LEIB.
FLOUR-MILL.

No. 173,551.

Patented Feb. 15, 1876.

Fig: 1.

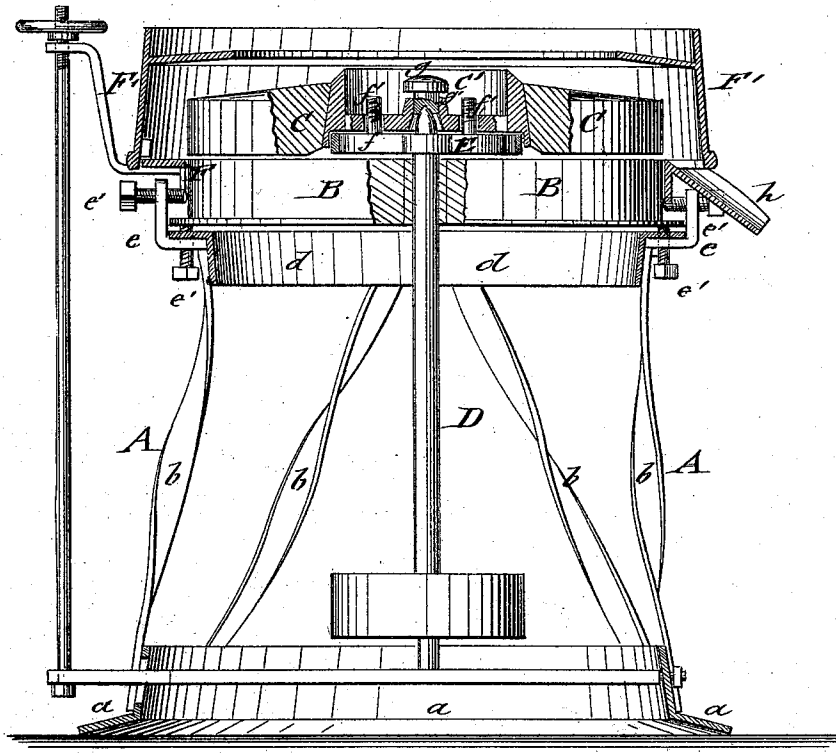
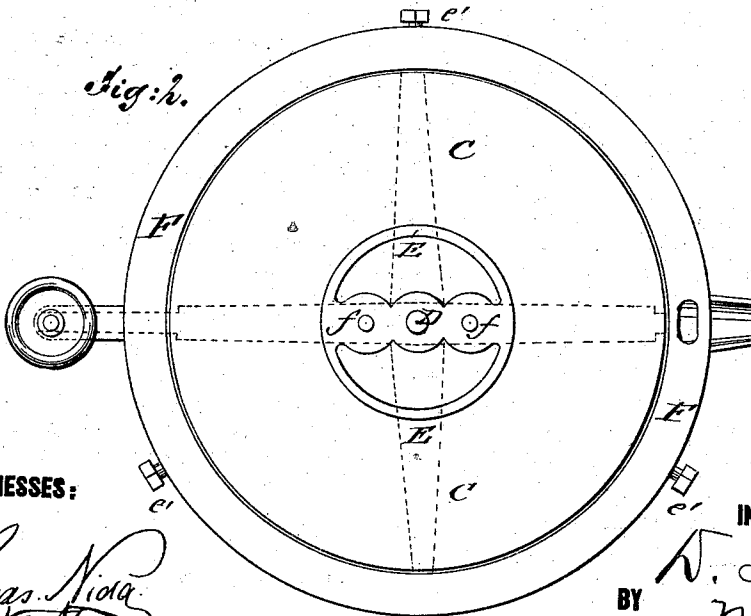


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

DAVID LEIB, OF RICH HILL, OHIO.

IMPROVEMENT IN FLOUR-MILLS.

Specification forming part of Letters Patent No. **173,551**, dated February 15, 1876; application filed July 17, 1875.

To all whom it may concern:

Be it known that I, DAVID LEIB, of Rich Hill, in the county of Knox and State of Ohio, have invented a new and Improved Flouring-Mill, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a sectional side elevation of my improved flouring-mill, and Fig. 2 is a top view of the same with runner detached.

Similar letters of reference indicate corresponding parts.

The invention relates to an adjustable flanged ring surrounding the bed-stone, and provided with a delivery-spout, as hereinafter described.

In the drawing, A represents the supporting-frame, B the bed-stone, and C the runner, of my improved flouring-mill. The frame A is made of iron or other material, of a strong flanged or other shaped base part, *a*, to which diagonal pillars or braces *b* are bolted. The braces are preferably twisted to increase their strength, forming braces and posts combined. To their upper ends is bolted the flanged cylindrical top part *d*, on which the bed-stone is seated. The top part *d* is cast or otherwise provided with three standards or arms, *e*, each with a bottom and side set-screw, *e'*, the bottom set-screws serving to level the bed-stone, the side screws to get the spindle in perfect tram. The spindle D is seated in a diametrical bridge-piece of the base part of frame A, and adjusted to vertical position by a lever and adjusting screw-rod, or in other suitable manner. Below the upper conical end of the spindle is keyed, in solid manner, the driver E, which is made of ring shape, with a diametrically-connecting bridge, having a central perforation for the spindle, and two guide-pins, *f*, equidistant therefrom, to se-

cure the balance-ring of the runner thereon. The balance-ring C' fits by a circumferential recess on the driver E, and by side holes *f'* of its diametrical bridge on the guide-pins of the driver. A central bushing or hub of the balance-ring has an adjustable plug, *g*, that is rigidly secured by a clamp-screw, *g'*, for being set by its conically-recessed part on the spindle end, so that the weight of the runner may rest entirely on the spindle, and the same be run in flexible or cock-head manner; or the plug may be so adjusted that the runner rests fully on the spindle, and on the circumference and guide-pins of the balance-ring, and be thereby run in rigid or stiff manner. The balance-ring is fitted into the eye of the runner and cemented thereto, being adjusted to perfect tram with the bed-stone for working.

A flanged ring, F, fits around the bed-stone, and is secured thereto by suitable fastening-screws, being adjustable to any position. A top casing, F', is screwed to the flanged ring F, which has an aperture and spout, *h*, that delivers the flour at any desired point by the adjustability of the ring. The driver and balance-ring secures the regular and true motion of the runner when all the parts are set into proper tram.

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

The combination of bed-stone with adjustable flanged ring, having delivery-spout and top casing to discharge at any desired point, substantially as set forth.

DAVID LEIB.

Witnesses:

W. L. MILLS,
DEMOS BRICKER.