

W. W. McCauley.

Improvement in Toll-Takers for Grist-Mills.

No. 132,302.

Patented Oct. 15, 1872.

Fig. 3.

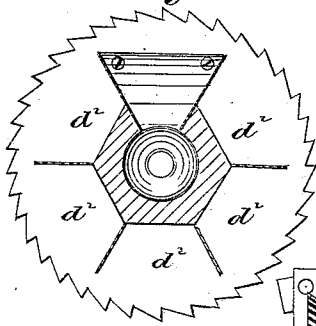


Fig. 1.

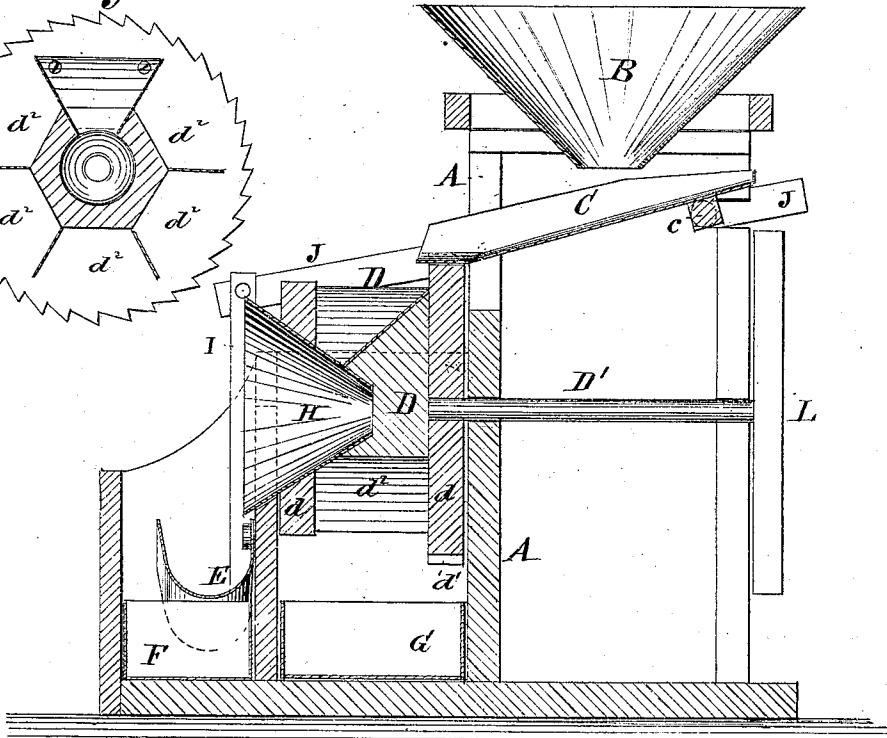
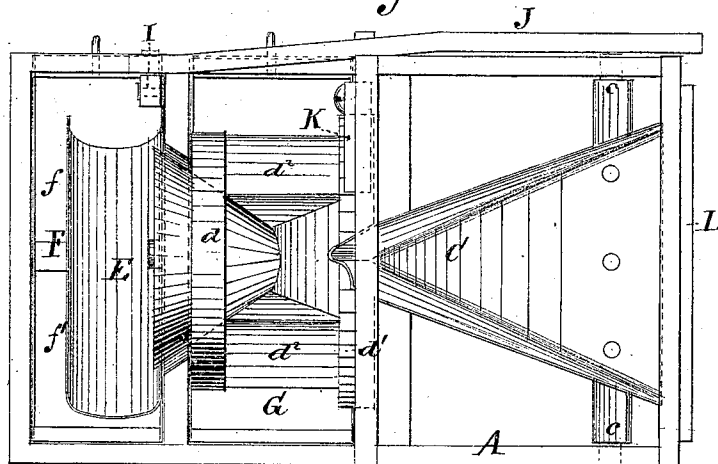


Fig. 2.



Witnesses:

G. J. Martyn.
John Kemon

Inventor:

Wm W McCauley
PER Kemon & Co

Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM W. McCAULEY, OF FANCY FARM, KENTUCKY.

IMPROVEMENT IN TOLL-TAKERS FOR GRIST-MILLS.

Specification forming part of Letters Patent No. 132,302, dated October 15, 1872.

To all whom it may concern:

Be it known that I, WILLIAM W. McCAULEY, of Fancy Farm, in the county of Graves and State of Kentucky, have invented an Improved Toll-Taker, of which the following is a specification:

The invention relates to grain-mills; and consists in combining with the ordinary wheel attachment, provided with as many buckets as there are fractions of which the desired toll forms one, a shaker that empties the grain into the buckets and an intermediate ratchet that is carried by the wheel and operates the feed-spout.

Figure 1 is a vertical section; Fig. 2 is a top view with the hopper removed; and Fig. 3 is a transverse section of the bucket-wheel.

A represents the frame of the toll-attachment; B, the hopper; C, the feed-spout; D, a wheel rotated by a shaft, D'; E, the discharge-spout; and F G, the grain-receptacles. The wheel D has two disks, *d d*, on one of which is a ratchet, *d'*, and between which are formed six equal-sized buckets, *d''*. H is a funnel, fitted in a recess of one side of disk, connecting with one of the buckets, and discharging into spout E. This spout is pivoted in the middle and reversible by strap I and lever J, so as to empty alternately into apartments *f f'* of receptacle F. K is a detent which acts upon ratchet *d'* and prevents any back motion of the wheel D, while L is a drive-wheel, which may be operated by any suitable power. The feed-spout C is rigidly attached

to a rock-shaft, *c*, which is journaled in frame A.

The operation is as follows: The wheel D being set in motion, and the grain which is to be ground for any particular person or persons being placed in hopper B, the ratchet *d'* rises and drops feed-spout C, so as to produce a continuous feed of grain into the revolving buckets *d''*. These six buckets receiving an equal proportion of the grain, one-sixth of it passes into funnel H, is emptied into discharge-spout E, and thence into receptacle F. This is the miller's toll. The other five-sixths of the grain is discharged from the buckets into the receptacle G, or, in practice, into a hopper or channel connected with the mill burrs or grinders.

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

1. The rotary bucketed wheel, provided with the ratchet for operating the feed-spout, as described.

2. The subject-matter of above claim, in combination with discharge-spout E and receptacles F G, as and for the purpose set forth.

To the above specification of my invention I have signed my name this the 20th day of August, A. D. 1872.

WILLIAM W. McCAULEY.

Witnesses:

J. M. BAULCH,
P. B. NANCE.