

Z. S. CRACRAFT.
Improvement in Feed Mills.

No. 120,562.

Patented Oct. 31, 1871.

Fig. 1.

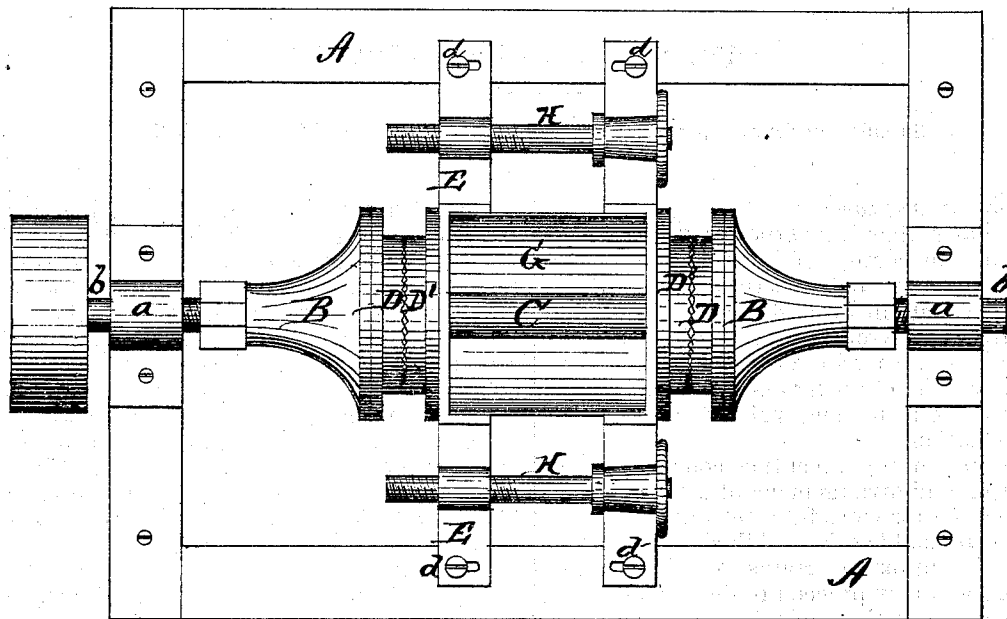
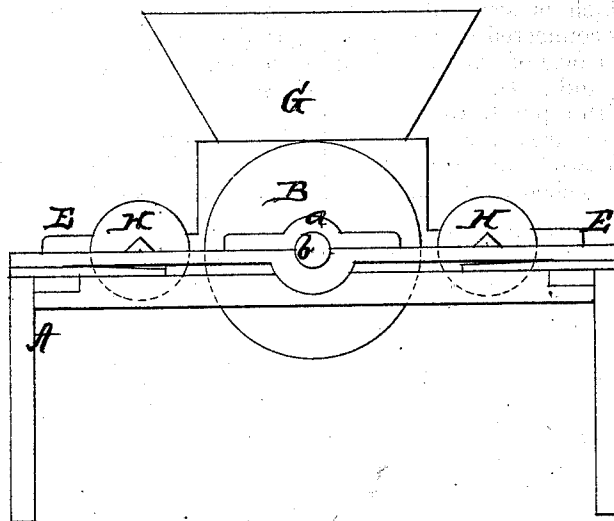


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

ZADOK S. CRACRAFT, OF OTTAWA, ILLINOIS, ASSIGNOR TO HIMSELF AND WILLIAM STORMONT, OF SAME PLACE.

IMPROVEMENT IN FEED-MILLS.

Specification forming part of Letters Patent No. 120,562, dated October 31, 1871.

To all whom it may concern:

Be it known that I, ZADOK S. CRACRAFT, of Ottawa, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Feed-Mills; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a feed-mill, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view, and Fig. 2 an end view of my machine.

A represents the frame of my mill, at each end of which is a journal-box, *a*. Through each of these is passed a journal, *b*, with screw-threads upon its inner end, which is screwed into a hub, B, and the two hubs connected by a central shaft, C. Upon the inner face of each hub B is firmly secured a burr, D, and as the power used is connected by a belt with a pulley upon one of the journals *b* the burrs D D are made to revolve together. E E represent two beams or bars laid across the frame A and attached to the same by

means of screws *d d* passing through elongated slots in the ends of said beams, as shown in Fig. 1. Upon and between the beams E E is arranged the hopper G, and on the outer sides of the beams are secured the stationary burrs D' D', the central shaft C passing through feed-openings in their centers. The hopper thus feeds both sets of burrs. The beams or bars E E are connected by means of set-screws H H, by means of which the stationary burrs are moved closer to or further from the movable bars, as may be desired.

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

1. The arrangement, in a feed-mill, of a hopper, G, between and feeding two sets of burrs, substantially as herein set forth.

2. The combination of the hubs B B, burrs D D, shaft C, and journals *b b*, all substantially as and for the purposes herein set forth.

3. The combination of the adjustable bars E E, moved by the set-screws H H, the hopper G, and burrs D' D', all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

Z. S. CRACRAFT.

Witnesses:

ROSWELL W. HOLMES.

SHERMAN LELAND.

(59)