

J. W. ANDERSON.

Mill-Stone Feed.

No. 133,288.

Patented Nov. 26, 1872.

Fig 1

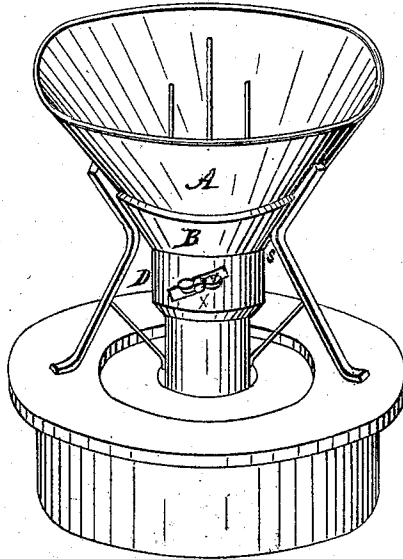
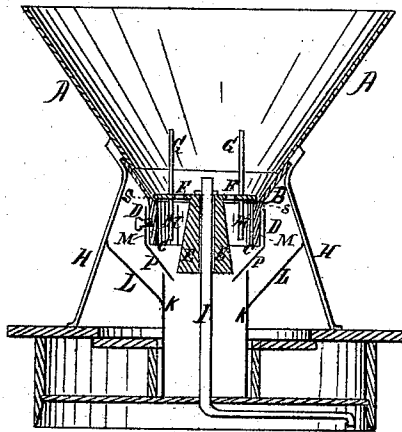


Fig 2



Witnesses

Ed. G. E. forth.
H. P. Millsapps.

Inventor.

John W. Anderson

UNITED STATES PATENT OFFICE.

JOHN WESLEY ANDERSON, OF PORTLAND, INDIANA.

IMPROVEMENT IN MILLSTONE-FEEDS.

Specification forming part of Letters Patent No. **133,288**, dated November 26, 1872; antedated November 18, 1872.

To all whom it may concern:

Be it known that I, JOHN WESLEY ANDERSON, of the town of Portland, in the county of Jay and State of Indiana, have invented a new and useful Improvement in Machines for Feeding Grain, Middlings, &c., into Millstones; and I do hereby declare that the following is a clear, full, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, in which—

Figure 1 is a perspective view, and Fig. 2 is a sectional view.

A is a sheet-iron hopper, supported by a cast-iron circular bottom piece, B. This casting or bottom piece is made with a rim or flange to support the hopper, and turns inward abruptly at S, forming a seat for the wheel F to run on, and then runs downward in a tubular shape as far as C. On the bottom-piece B rests a wheel, F, which is made with rim and spokes or arms, and a hole through the center, through which runs the damsel I, which gives motion to the machine. On the lower side of the center of the wheel F is suspended a cone, E, with the base enough smaller than the inside of the tubular part of the bottom piece B to permit the grain, middlings, &c., to pass down between them. Over the tubular part of the bottom piece B is a loose sleeve, D P. From the bottom of the tube C this sleeve tapers inward, as shown at P, Fig. 2, forming a circular opening about the size of the base of the cone E. When the sleeve D P is up to the highest point the circular opening in the bottom just touches the base of the cone E. By lowering the sleeve D P an opening is formed between its narrowest part and the base of the cone E, through which the grain, middlings, &c., can pass down. By lowering or raising the sleeve D P, thereby increasing or diminishing the opening, the feed is regulated at will. I hold the sleeve in its place by three spiral slots, resting on pins, as shown at X, Fig. 1, with a set-screw to hold it at any desired point, as shown at V, Fig. 1; but it may be held, and raised, and lowered by a forked lever or any other convenient de-

vice. Attached to the wheel, and projecting above and below it, are one or more iron rods, G and M, which keep the middlings, &c., constantly stirred up and prevent the clogging or choking of the machine. The rim of the wheel F and the seat S, on which it runs, are cast on chills, making them very hard and preventing them from cutting or wearing rapidly. The machine is supported by iron legs H bolted to the bottom piece B and hopper A. A tube or dead-eye, K, is suspended from the legs H by the hangers L.

The operation of the machine is as follows: The open or spoked wheel F, in combination with the cone E and rods or stirrers G and M, turns around in the grain, middlings, &c., keeping them stirred up, and forcing them through the opening in the sleeve D P, the quantity being regulated by lowering or raising the sleeve D P, thereby increasing or diminishing the opening. The dead-eye K conducts the middlings, &c., into the eye of the stone, and prevents them from sticking to the sides and choking the eye of the stone.

What I claim as my invention is—

1. The metallic bottom piece B, consisting of the flaring rim or flange, the seat S, and the tubular case C, in combination with the open wheel F, substantially as and for the purpose set forth.
2. The combination and arrangement of the tubular case C, tapering sleeve D P, and cone E, substantially as and for the purpose described.
3. In combination with the open wheel F, the cone E, substantially as specified, and for the purpose set forth.
4. In combination with the open wheel F and cone E, the stirrers G M, substantially as and for the purpose described.
5. In combination with the tapering sleeve D P, the dead-eye K, supported by hangers L and legs H, substantially as and for the purpose specified.

JOHN WESLEY ANDERSON.

Witnesses:

ED. G. GOFORTH,
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