2 Sheets--Sheet 1.

S. BERNHEISEL.

Millstone-Bush.

No. 161,000

Patented March 23, 1875.

Fig. 1.

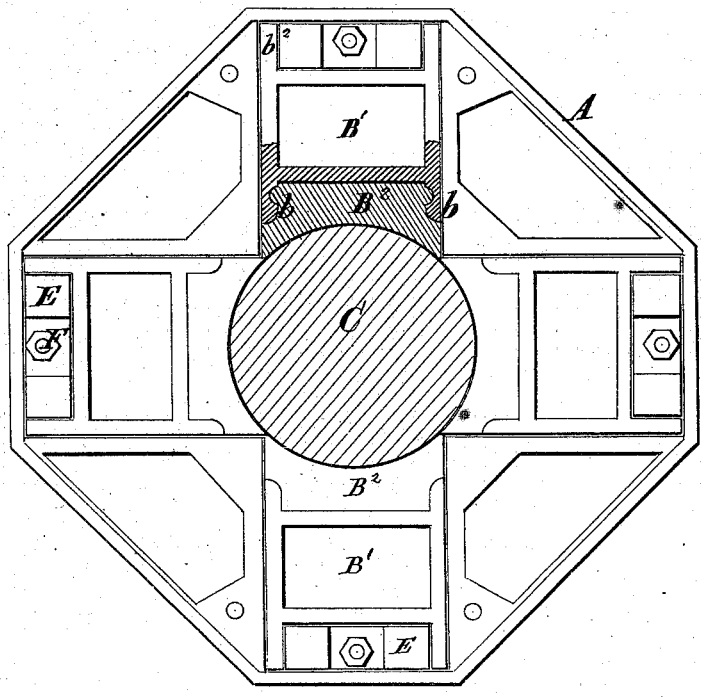
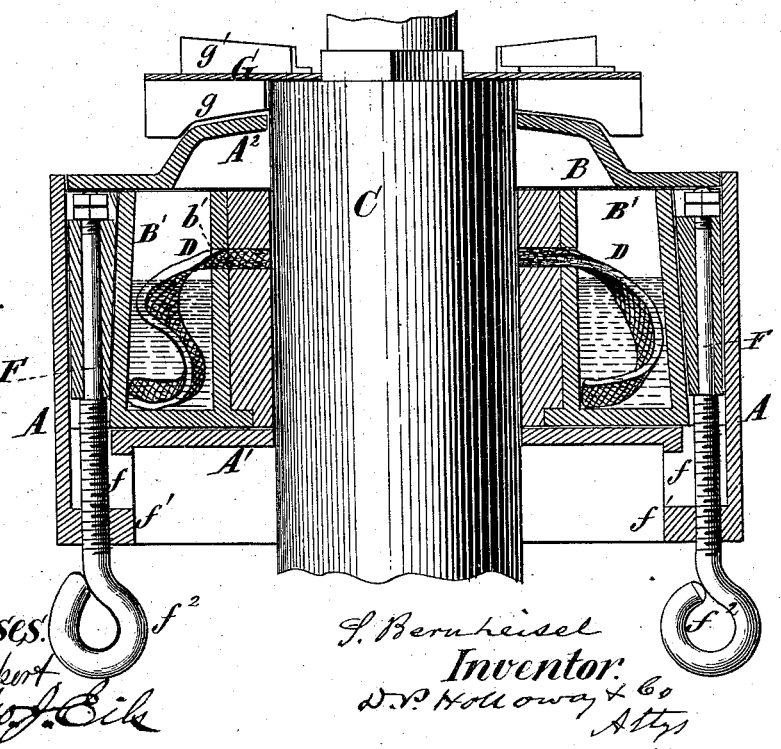


Fig. 2.



Witnesses:
A. Ruppert
Edw. J. Cole

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Inventor.
D. P. Holloway & Co
Attys

2 Sheets--Sheet 2

S. BERNHEISEL.

Millstone-Bush.

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Fig. 3.

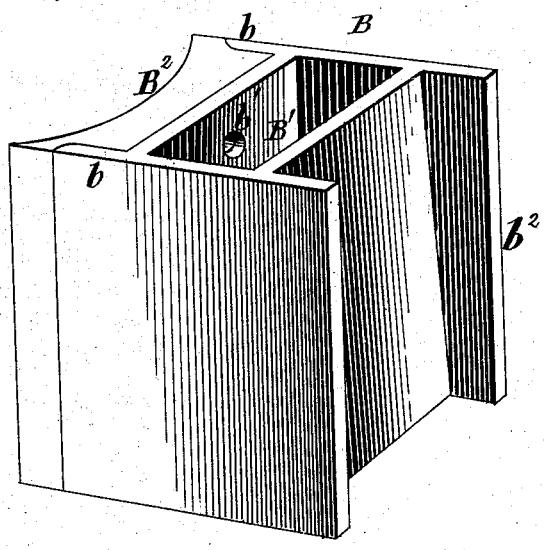


Fig. 4.

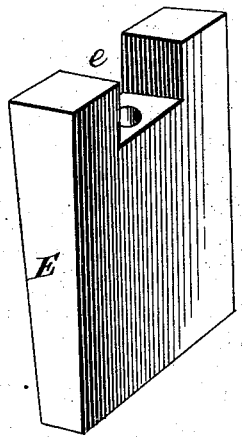
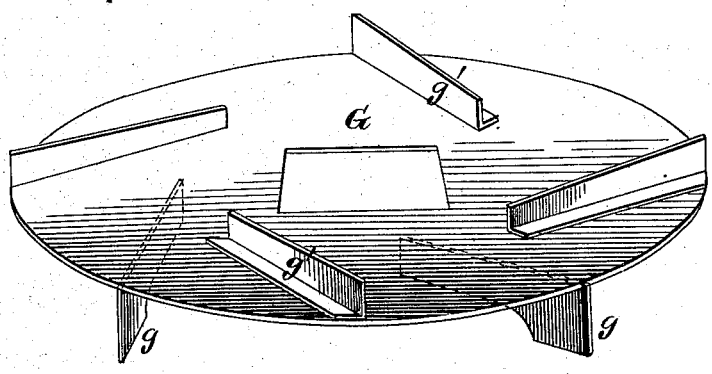


Fig. 5.



Witnesses.
A. Ruppert
[illegible]

S. Bernheisel
Inventor.
D. P. Holloway & Co
Attys

UNITED STATES PATENT OFFICE.

SOLOMON BERNHEISEL, OF GREEN PARK, PENNSYLVANIA.

IMPROVEMENT IN MILLSTONE-BUSHES.

Specification forming part of Letters Patent No. **161,000**, dated March 23, 1875; application filed September 4, 1874.

To all whom it may concern:

Be it known that I, SOLOMON BERNHEISEL, of Green Park, of the county of Perry and State of Pennsylvania, have invented a certain Improvement in Millstone-Bushes, of which the following is a specification:

The nature of my invention consists in the combination with the spindle of a circular plate, fixed thereto so as to overhang the bush, and provided both on its upper and lower side with tangentially-disposed ribs, intended, the former for distributing the grain properly between the stones, and the latter for sweeping the top of the bush, to prevent any dust or grain from getting into the oil-cups.

In the annexed drawings, Figure 1 is a sectional plan view of my improved bush. Fig. 2 is an axial section of the same. Fig. 3 is a perspective of one of the combined bearing-blocks and lubricators. Fig. 4 is a perspective of one of the adjusting-wedges. Fig. 5 is a perspective of the combined distributer and sweeper.

The same letters of reference are used in all the figures in the designation of identical parts.

The frame A of the bush is of octagonal form, with irregular sides, and the combined bearing-blocks and lubricators B are arranged in the form of a cross in suitable recesses or pockets in the frame, resting with their lower closed ends upon a permanent partition or head, A^1, thereof. The lubricators and bearing-blocks are each composed of a cast-iron approximately rectangular oil-receptacle, B^1, with an open upper end, and bearing-faces B^2, of soft metal, cast in between the projecting flanges *b b* of the oil-cup, suitable grooves being formed in the interior sides of these flanges, with which the soft metal will interlock, and thus be held firmly in place. The bearing-faces are suitably concaved to fit the spindle C, which they are intended to embrace and sustain. The oil in the cups B^1 is fed to the spindle by wicks D, placed in the cups, and reaching with one end through holes b^1, piercing the front wall of the cups and the soft-metal bearing-faces, to the spindle. The bearing-blocks are forced up into contact with the spindle by wedges E, arranged between the somewhat inclined rear walls of the oil-cups and the rim of frame A. Each wedge is connected to a stem or bolt, F, capable of turning on or in it, and provided with a screw-threaded end, *f*, passing through a nut, f^1, which forms a permanent lug of the frame A, and terminating in a head or eye, f^2, by which it may be turned to adjust the wedge up or down. The wedge slides between flanges b^2 on the oil-cup, and has a recess, *e*, for the reception of the nuts, by which the bolt F is secured to it. The entire top of the frame of the bush is covered by a head, A^2, screwed down upon it. G refers to the distributer and sweeper, being a circular plate suitably fixed to the spindle C, directly above the bush. On its under side it has the tangentially-arranged sweeping-ribs *g*, formed to correspond to the contour of head A^2, and on its upper sides it has similarly-disposed distributing-ribs *g'*.

When the soft-metal faces B^2 have worn away to such an extent that the wedges cannot set them in far enough to suitably hug the spindle, they may be melted out and replaced by new ones.

What I claim as my invention, and desire to secure by Letters Patent, is—

The distributer and sweeper G *g g'*, in combination with the bush and spindle, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SOLOMON BERNHEISEL.

Witnesses:

D. P. HOLLOWAY,

B. EDW. J. EILS.