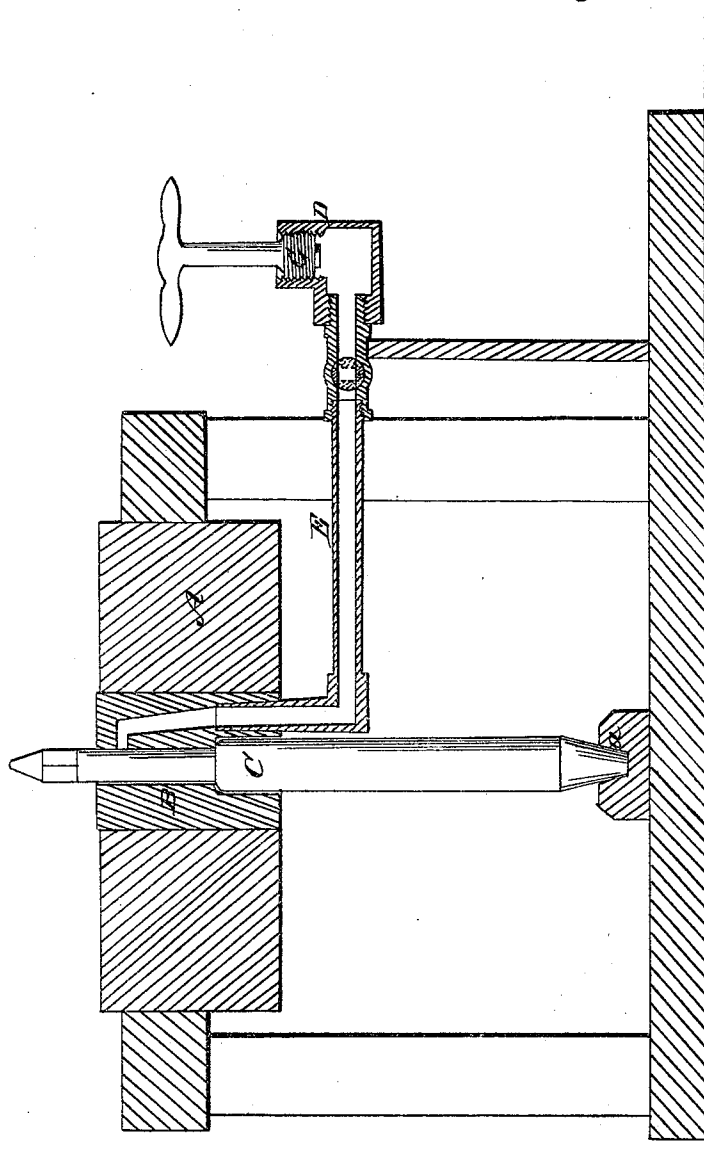


C. Brown, Sr.,
Lubricator.
N^o 14,791. Patented May 6, 1856.



UNITED STATES PATENT OFFICE.

CLAYTON BROWN, SR., OF RICHMOND, INDIANA.

APPARATUS FOR LUBRICATING GRIST-MILL SPINDLES.

Specification of Letters Patent No. 14,791, dated May 6, 1856.

To all whom it may concern:

Be it known that I, CLAYTON BROWN, Sr., of Richmond, in the county of Wayne and State of Indiana, have invented a new and useful Device for Oiling Millstone-Spindles While in Motion; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of this specification, said drawing being a vertical section of my improvement.

My invention consists in the employment or use of an oil chamber provided with a piston or follower and having a tube attached to it, provided with a stop cock, said tube passing through the back of the spindle, and communicating with the spindle at the upper part of the bush, as will be presently shown and described.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, represents the lower or bedstone of a pair of mill stones, B, is the wooden bush which is placed in the center of the stone A, and C is the spindle which passes through the center of the bush B, the lower end of the spindle being stepped at (a). The above parts are of usual construction, and therefore do not require a minute description.

D, represents an oil vessel or chamber, which is supported in any proper manner at the side of the stone A, and E, is a tube connected with the lower part of the oil chamber D, said tube passing underneath the stone A, and up through the bush B, and communicating with the spindle at the upper part of the bush, as plainly shown in the drawing.

F, represents a stop cock, which is inserted in the tube E.

G, represents a piston or follower which has a screw thread formed on its side, which thread fits in an internal thread cut in the upper part of the oil chamber D.

The operation is as follows. The piston or follower G, is removed from the oil chamber D, and the chamber filled with oil. The piston or follower is then fitted in the oil chamber, the stop-cock F, being so turned as to allow the oil to pass through the tube E, and by turning the piston or follower, it will be forced down within the oil-chamber, and the oil will be forced out of the inner end of the tube and against the spindle C. When the chamber D, requires to be refilled, the stop cock F, is turned so that the communication through the tube E, is stopped and the oil in the inner end of the tube is prevented from flowing back into the chamber.

By this improvement or device the spindle may be lubricated while in motion, and thereby made to run at all times with but little friction.

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

The oil chamber D, with tube E attached, the tube being provided with a stop cock F, and the chamber with a piston or follower G, the inner end of the tube passing through the bush B, substantially as herein described, for the purpose specified.

CLAYTON BROWN, SR.

Witnesses:

JOHN FINLEY,
S. C. BROWN.