

S. G. ROLLINS.

Bur Mill.

No. 109,841.

Patented Dec. 6, 1870.

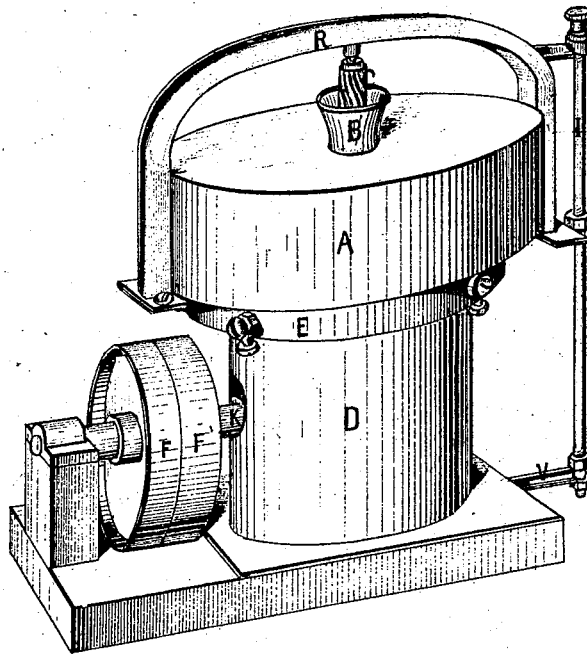


Fig. 1

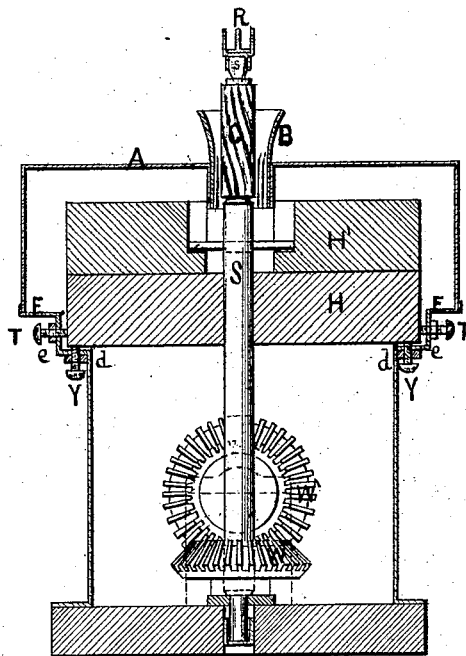


Fig. 2.

Witnesses *Franklin Parker*
J. A. Broughton

Inventor
S. G. Rollins

UNITED STATES PATENT OFFICE.

SAMUEL G. ROLLINS, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO WIGG,
ROLLINS & CO., OF SAME PLACE.

IMPROVEMENT IN BURR-MILLS.

Specification forming part of Letters Patent No. **109,841**, dated December 6, 1870; antedated
November 30, 1870.

To all whom it may concern:

Be it known that I, S. G. ROLLINS, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Burr-Mills, of which the following is a specification.

The nature of my invention consists in combining an adjusting device for the lower millstone with a cylindrical casing for the lower gearing, the object being to provide a simple and convenient mode of adjusting and supporting the stone, and also to protect the driving-gearing.

In the drawings, Figure 1 represents a perspective view of my invention. Fig. 2 represents a vertical section of the same.

I construct my invention as follows:

H and H' represent the upper and lower millstones, the upper stone, H', being propelled in the usual manner by the shaft S. The lower end of the shaft S rests in a step upon the lever V, Fig. 1, and is adjusted in the usual manner by the screw-bolt I. The upper end of the shaft S is held by means of the pivot s, attached to the arch R, as shown.

F and F', Fig. 1, represent the driving-pulley and idler.

W', Fig. 2, represents a beveled gear, which is driven by the shaft K, Fig. 1, and which meshes into the beveled gear W', which, acting through the shaft S, propels the upper millstone.

The casing D D is provided with an annular offset or shoulder, *d e* E, Fig. 2. Into this offset the upper millstone sits, the millstone being adjusted laterally with the screws T T.

C is a metallic burr, made fast to the shaft S, and provided with spiral grooves and ridges, as shown, so that as it revolves it will, in connection with the casing or lower part of the hopper B, crush any article put into it, and thus prepare it for the grinding-stone below.

I claim as my invention—

The arrangement of the fixed stone H, the supporting-cylinder D, and the adjusting device *d e* E T T, constructed substantially as described, and for the purpose set forth.

SAMUEL G. ROLLINS.

Witnesses:

FRANK G. PARKER,
JAS. L. CONANT.