No. 848,760. PATENTED APR. 2, 1907.

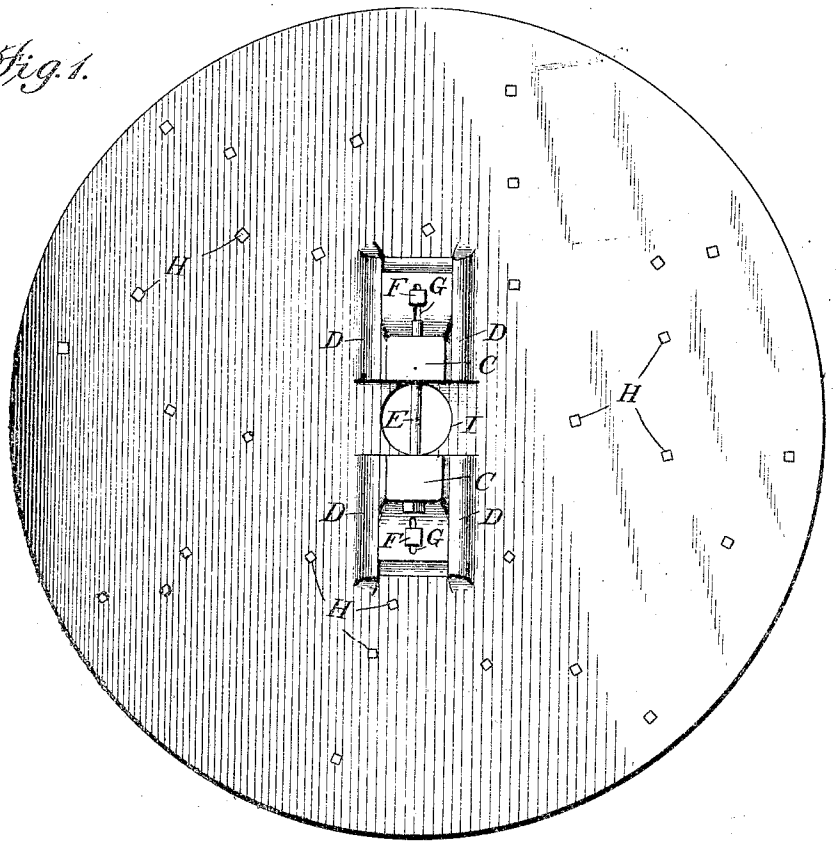
S. H. MILLS.

STONE POLISHING WHEEL.

APPLICATION FILED JULY 30, 1906.

2 SHEETS—SHEET 1

Fig. 1.



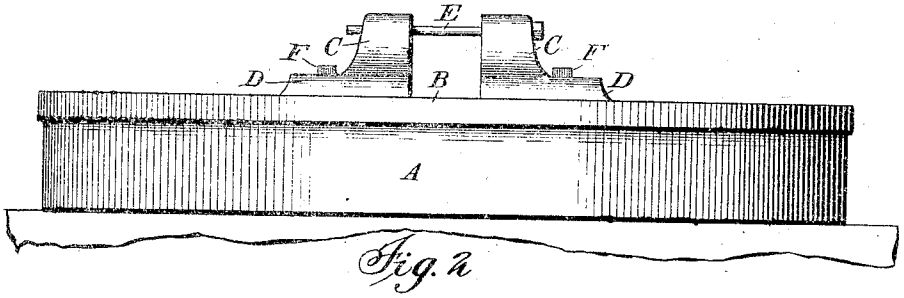


Fig. 2.

Witnesses
Frank N. Smith
Chas. W. Benjamin

Samuel Hobert Mills Inventor:
By F. J. Dearitt his Attorney.

No. 848,760. PATENTED APR. 2, 1907.

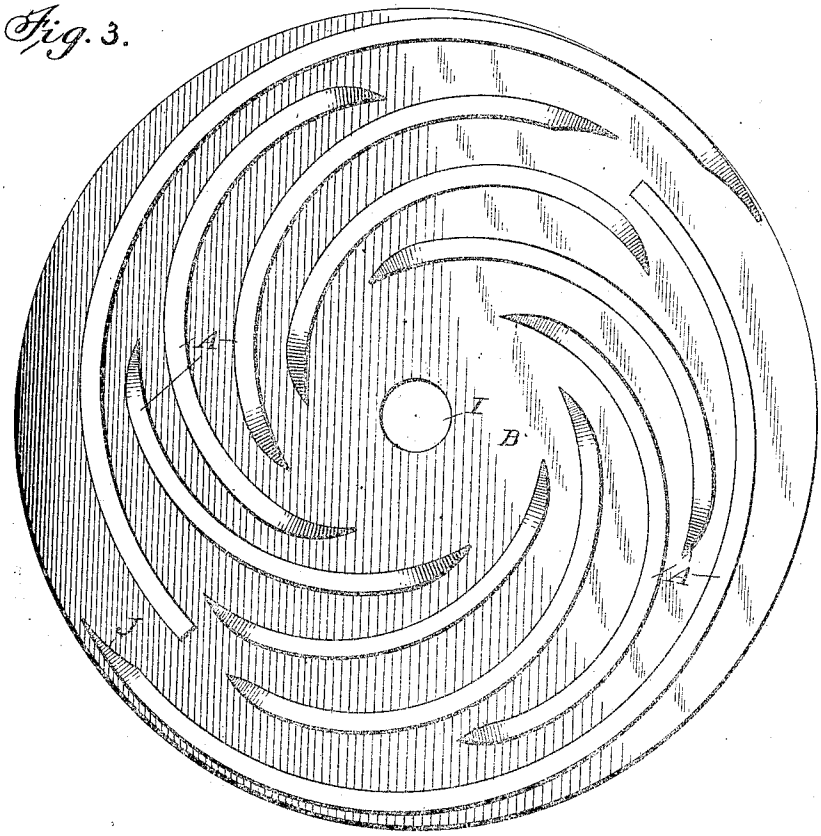
S. H. MILLS.

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2 SHEETS—SHEET 2.

Fig. 3.



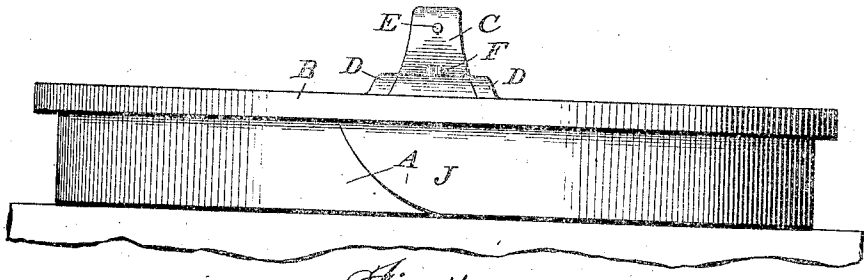


Fig. 4.

Witnesses:
Frank S. Smith
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UNITED STATES PATENT OFFICE.

SAMUEL HOBERT MILLS, OF MONTPELIER, VERMONT.

STONE-POLISHING WHEEL.

No. 848,760. Specification of Letters Patent. Patented April 2, 1907

Application filed July 30, 1906. Serial No. 328,496.

To all whom it may concern:

Be it known that I, SAMUEL HOBERT MILLS, a citizen of the United States, residing at Montpelier, in the county of Washington and State of Vermont, have invented certain new and useful Improvements in Stone-Polishing Wheels, of which the following is a specification.

This invention relates to wheels having curved ribs on their faces for polishing the rough face of a slab or block of stone, and consists in the construction and combination of parts hereinafter more particularly set forth and claimed.

In the accompanying drawings, Figure 1 represents a plan view of a polishing-wheel embodying my invention. Fig. 2 represents a side elevation of the same applied to a stone surface. Fig. 3 represents a bottom view of the same. Fig. 4 represents a view at right angles to Fig. 2, but otherwise corresponding to the latter.

A designates the polishing ribs or flanges on the under face of the body B of the grinding wheel or disk and rigid therewith, although detachable therefrom. Each of these ribs or flanges is in the form of a segment of a circle tapering down to a point J at both ends, excepting the two outer ribs, which are thus pointed at the outer end only. These ribs are arranged to cut across each others' paths and to leave intervals between them, also leaving a small space unribbed surrounding a central opening I. Bolts H, Fig. 1, are preferably used for fastening them. On opposite sides of said opening bolts E, passing through slots G in the bases of a pair of lugs C, fasten said lugs adjustably to said disk-body B, each lug being between and laterally overlapped by a pair of guides D, raised on the top of said body. A horizontal bolt E, passing through said ears, serves to attach the wheel to the lower end of the driving-shaft of the wheel.

The wheel revolves with the points of the outer ribs A foremost, and the construction and arrangement of the said ribs above described permits the steel and sand to pass between and under the ribs A, especially at and near the tapered points J, instead of being all drawn to the center, as by a continuous scroll of even height throughout its length and so clogging the wheel. The ribs A are about ten in number.

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

A polishing-wheel provided on its lower face with a number of curved discontinuous ribs, both ends of some of the ribs being tapered down to let the abrasive material and sand pass under them.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL HOBERT MILLS.

Witnesses:

THOMAS J. DEAVITT,

FRANK N. SMITH.