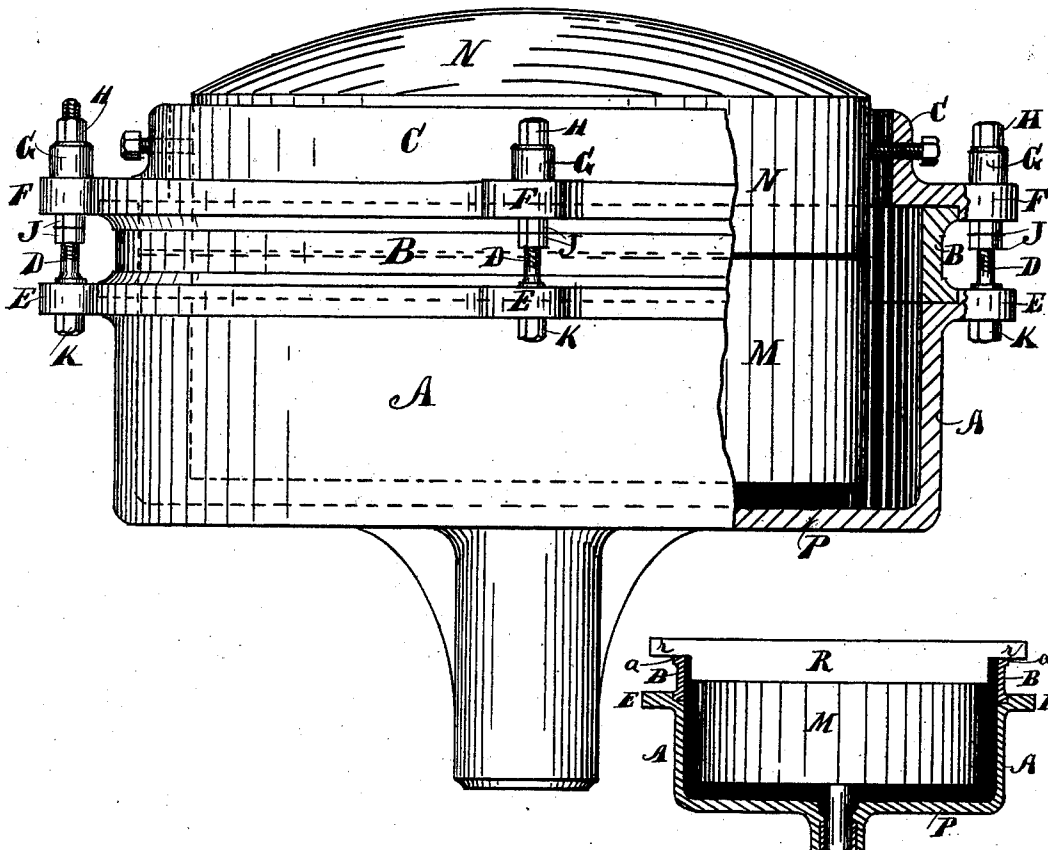


D. W. MARMON.  
 Shell for Encasing Millstones.

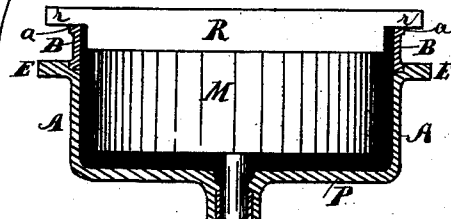
No. 216,048.

Patented June 3, 1879.

*Fig. 1.*



*Fig. 2.*



WITNESSES;

*Byron G. Tyler*  
*W. H. Peck*

INVENTOR

*Daniel W. Marmor*  
*Rev. C. H. Smith*  
 his Attorney

# UNITED STATES PATENT OFFICE

DANIEL W. MARMON, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO NORDYKE  
& MARMON COMPANY, OF SAME PLACE.

## IMPROVEMENT IN SHELLS FOR INCASING MILLSTONES.

Specification forming part of Letters Patent No. 216,048, dated June 3, 1879; application filed  
October 5, 1878.

*To all whom it may concern:*

Be it known that I, DANIEL W. MARMON, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in the Cylindrical Shell used to Incase the Burrs of a Portable Mill, of which the following is a description, reference being had to the accompanying drawings.

My invention relates to certain improvements in the construction of the cylindrical shell that incases the running or under stone of a portable mill.

Previous to my invention there have been considerable difficulty and inconvenience in obtaining ready access to the running stone for the purpose of applying a red-staff to its surface, for indicating irregularities of the face of the stone, and dressing the same with a level and true face.

My invention consists of a cylindrical shell of a portable mill constructed in two parts or rings, the lower one of which forms a shallow shell, having a bottom that is supported upon upright standards, in which the running stone is mounted, with its upper face projecting above the edge of the shell. The other part or removable ring of the shell is fitted to the upper edge of the lower shell with parallel edges, and forms an extension of the shell above the upper face of the running stone, as will be hereinafter fully set forth and described.

In the accompanying drawings, in which like letters of reference in the different figures indicate like parts, Figure 1 represents my improved cylindrical shell on a portable mill, and Fig. 2 is a sectional view of the same, showing a proof-staff on the upper edge of the removable ring.

A represents the shallow shell or lower part, having a bottom, P, in which the running or lower stone, M, is mounted and revolved in any ordinary manner, the face of the running stone projecting some distance above the upper edge of the cylindrical shell. The upper edge of the shell A is faced up true, with a flange around it to receive and hold the

lower edge of the upper removable ring or part, B.

The ring B forms an extension of the shell or case A, and is also faced and trued up so that both edges are parallel. The upper edge of the ring B fits into a flanged base turned in the lower edge of the cylindrical box or ring C, in which the upper or stationary stone, N, is secured.

The lower shell, A, is provided with lugs E, in which are secured the studs D; said studs projecting upward through corresponding holes formed in the lugs F formed on the box or ring C.

The ring C, with the stone N, is adjusted by means of the nuts J on the studs D, and the upper stone is permitted to yield, should any obstruction get between it and the running stone, by means of rubber cushions G on the studs D.

When it is desired to dress and true up the face of the running stone, the nuts H and rubber cushions G are removed from the studs D. The upper case or box, C, with the stone N, is then removed. The ring B is then taken off from the shell A, after which a red-staff can then be applied to the face of the running stone without raising the stone in the shell, and the face trued up, leveled in the usual manner, after which the ring B is replaced, and a proof-staff, R, applied to the upper level edge for truing up the stone, as shown in Fig. 2.

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

1. In a grinding-mill, the curb or cylindrical shell for incasing the millstones, constructed in two parts or rings, the lower one, A, forming a shallow shell, with its upper edge faced up true, and provided with a bottom, P, adapted to receive the running stone and allow the face of said stone to project above the shell A, the upper part or ring, B, forming an extension of the lower shell, and adapted to be removed for truing up the running stone, and replaced to operate as a circular iron proof-staff, substantially as shown and described.

2. In combination with a millstone-curb, consisting of two cylindrical sections, A B, having parallel edges, and the upper ring made removable, and adapted to operate as a proof-staff, the ring C, adapted to receive and hold the stationary stone N, substantially as shown and described.

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

DANIEL W. MARMON.

Witnesses:

BYRON A. TYLER,  
D. F. SPEES.