

W. L. TAGGART.  
MILLSTONE CURBS.

No. 188,439.

Patented March 13, 1877.

Fig. 1.

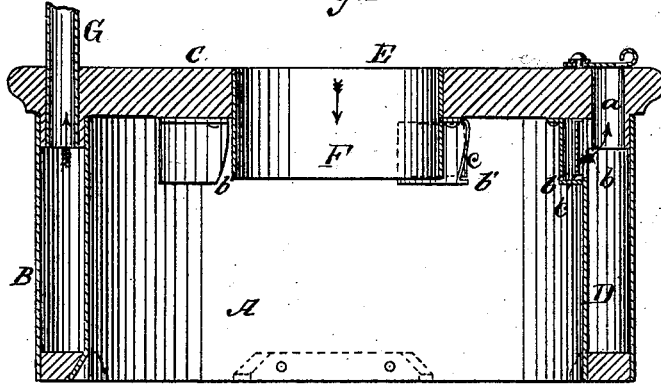
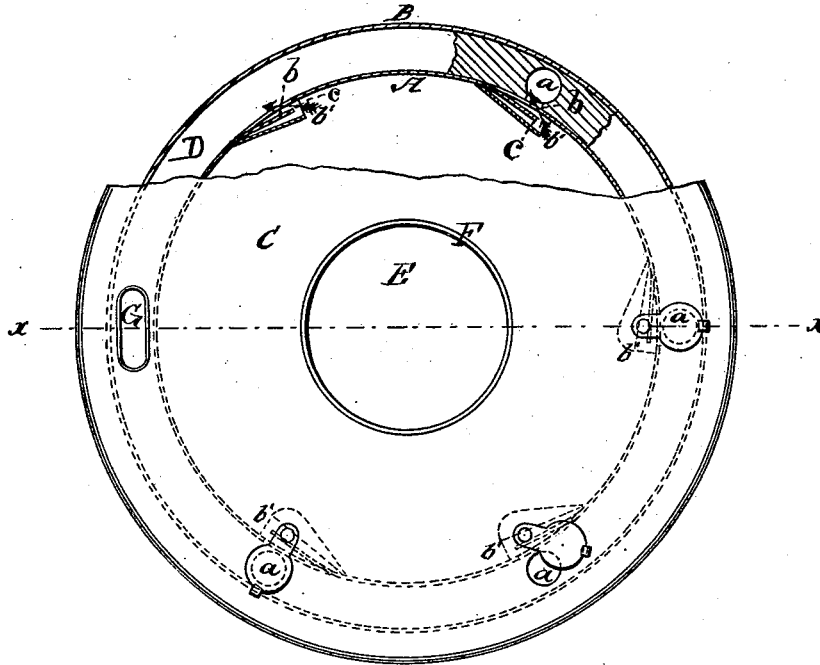


Fig. 2.



WITNESSES:

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*J. H. Scarborough*

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# UNITED STATES PATENT OFFICE.

WILLIAM L. TAGGART, OF NILES, MICHIGAN, ASSIGNOR TO HIMSELF AND  
WILLIAM R. TAGGART, OF SAME PLACE.

## IMPROVEMENT IN MILLSTONE-CURBS.

Specification forming part of Letters Patent No. 188,439, dated March 13, 1877; application filed  
December 4, 1876.

*To all whom it may concern :*

Be it known that I, WILLIAM L. TAGGART, of Niles, in the county of Berrien and State of Michigan, have invented a new and Improved Millstone-Curb, of which the following is a specification :

Figure 1 is a central vertical section of my improved curb, taken on line *x x* in Fig. 2. Fig. 2 is a plan view with portions broken away to show the construction more clearly.

Similar letters of reference indicate corresponding parts.

My invention consists in a double-walled curb for stones of flouring-mills, the inner wall being provided with openings and deflectors, which receive the air from the interior of the curb, and deliver it to the space between the double walls, and in apertures provided in the top of the curb for the admission of air between the walls of the curb, and in a tube that connects the space between the walls with an exhaust-fan, the object being to provide efficient means for ventilating burr-stones, so that the capacity of the stones may be increased and the quality of flour improved.

In the drawing, A is the inner and B the outer wall of the curb which incloses the annular space D. C is the top of the curb, having a central opening, E, that is somewhat larger than the eye of the stone, and is provided with the sleeve F, which projects downward nearly to the upper surface of the stone. Apertures *a a* are made in the top of the curb, which open into the space D, and are provided with pivoted covers or valves, by which they may be closed. *b b* are openings made in the inner wall of the curb near the openings *a*, and provided with deflectors *b'* and

valves *c*, which are capable of closing the openings *b* more or less. G is a pipe, that connects the space D with an exhaust-fan, by means of which the required circulation of air is produced.

In applying my improvement to curbs of the ordinary style I make a double top, and draw the air into and out of the space so formed by means of an exhaust-fan, in a manner similar to that just described.

By my improvement the air is drawn through the eye of the stone, and over and around it, through the apertures *b*, into the space D, and thence to the exhaust-fan through the pipe G. Air also enters the space D through the openings *a* in the cover, and mingles with that drawn through the openings *b*.

The advantages gained by my improvement are, that the stones are always kept cool, permitting the more rapid production of flour, which, being cool as it passes from the stone, may be immediately bolted, thereby dispensing with the operation of cooling, and the flour produced in this way is of better quality than that ground in the ordinary manner.

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

A millstone-curb consisting of the inner wall A, having valved openings *a*, outer wall B, having the valved openings *b*, and the top C, having central aperture E and downwardly-projecting sleeve F, a space, D, being formed between said walls, substantially as and for the purpose specified.

WILLIAM L. TAGGART.

Witnesses :

HARTSON FITZGERALD,  
J. B. FITZGERALD.