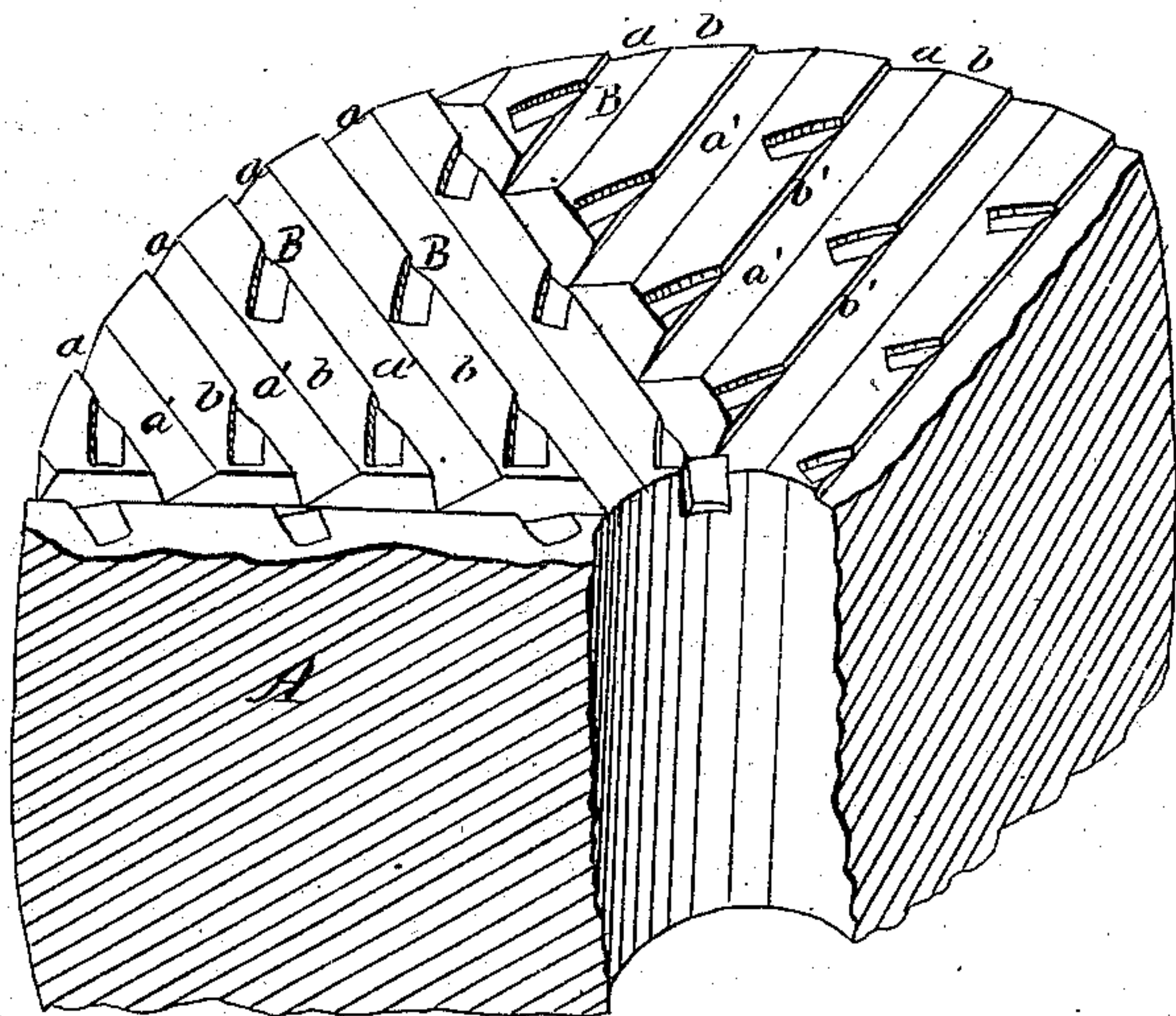


C. R. HINSON.
Mill-Stone Dress.

No. 155,516.

Patented Sept. 29, 1874.



Witnesses

W. Connolly
J. A. Connolly

By

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UNITED STATES PATENT OFFICE.

CHARLES R. HINSON, OF WADESBOROUGH, NORTH CAROLINA, ASSIGNOR
TO N. KNIGHT & SON.

IMPROVEMENT IN MILLSTONE-DRESS.

Specification forming part of Letters Patent No. **155,516**, dated September 29, 1874; application filed
July 3, 1874.

To all whom it may concern:

Be it known that I, C. R. HINSON, of Wadesborough, in the county of Anson and State of North Carolina, have invented a certain new and useful Millstone-Dress; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which the figure shown illustrates a section of a millstone dressed according to my improved method.

The object of this invention is to improve the grinding quality of millstones; and it consists in providing, in addition to the ordinary channels or furrows, auxiliary furrows or notches proceeding from the principal furrows into the ridges, and terminating therein abruptly, said auxiliary furrows or notches being cut at such angles with reference to the others as to provide very effective grinding-edges, as hereinafter more fully explained.

Referring to the drawings, A designates an ordinary millstone, channeled or furrowed according to the usual method, so as to produce alternately grooves and ridges *a b*, respectively, of which the latter have each a perpendicular and beveled surface, as indicated at *a' b'*. B designates the auxiliary channels or notches constituting my invention. The said channels or notches proceed or extend from the perpendicular edges of the principal furrows a short distance into the ridges, and are beveled on their inner and cut perpendicularly on their outer surfaces, to correspond as nearly as possible with the form of the principal furrows. These auxiliary furrows are not cut at

random, but have a systematic arrangement—*i. e.*, they proceed inwardly from their open ends, so as to present the largest possible grinding-edge to bear on the grain, and lie in such position as to operate to the best advantage, while in respect to the particular angles which they form with the principal furrows, each set of auxiliary furrows accords with the set of parallel principal furrows to which they pertain; or, in other words, all the auxiliary furrows lie at nearly the same angle with respect to their principal, a slight curvature being apparent in the lines upon which the sides of the notches are traced, although said curvature is not absolutely essential. These notches are to be cut of an even depth in both the runner and the bed-stone.

I am aware it is not new, broadly, to provide a millstone with auxiliary notches; but I conceive the particular construction and arrangement herein described to be new.

I therefore claim as my invention—

The combination, with the furrows *a* and ridges *b*, of the inwardly-inclined or oblique notches *a'*, proceeding from the former into the latter, and having their inner and outer surfaces respectively beveled and made perpendicular, as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of June, 1874.

CHARLES ROBERT ^{his} × HINSON.
mark.

Witnesses:

CYRUS JUNIUS KNIGHT,
JOHN WATEY DARLEY.