

A. VAN DOREN.

Improvement in Mill Pick.

No. 132,121.

Patented Oct. 8, 1872.

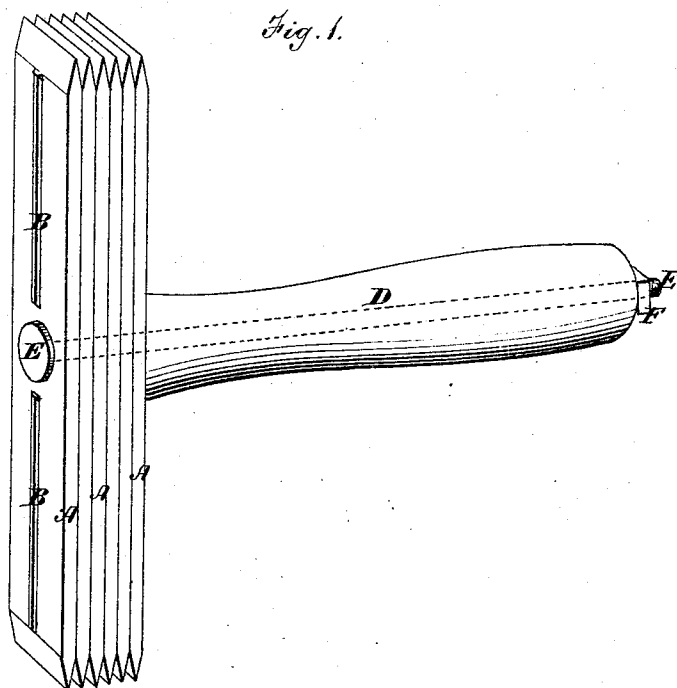


Fig. 2.

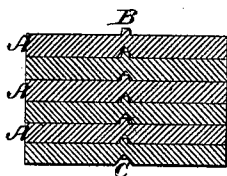


Fig. 3.

Witnesses.
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by his Attys.
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UNITED STATES PATENT OFFICE.

ABRAM VAN DOREN, OF FREDERICKSBURG, VIRGINIA.

IMPROVEMENT IN MILL-PICKS.

Specification forming part of Letters Patent No. **132,121**, dated October 8, 1872.

To all whom it may concern:

Be it known that I, ABRAM VAN DOREN, of Fredericksburg, in the county of Spottsylvania and State of Virginia, have invented a new and Improved Mill-Pick; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a perspective view of a mill-pick constructed in accordance with my invention; Fig. 2 is a transverse section of the same; and Fig. 3 is a sectional view of one of the blades detached.

Similar letters of reference in the accompanying drawing denote the same parts.

My invention has for its object to improve the construction of mill-picks and other tools for cutting and working stone, whereby they are greatly simplified and rendered much more economical than those now in use. To this end the invention consists in constructing the tool of two or more rectangular or oblong metal blades sharpened at one or both ends, and formed each with a rib or one or more pins on one side, and a corresponding groove or series of depressions in the opposite side, so that when the several blades are attached together and to the handle the ribs shall enter the grooves of adjoining blades and prevent the latter from turning upon each other when in use, as I will now proceed to describe.

In the accompanying drawing, A are the blades, composed of rectangular or oblong pieces of metal, preferably steel, and sharpened to an edge at one or both ends. They are each constructed with a longitudinal rib, B, on one side, and a corresponding groove, C, in the opposite side, the same being formed by forging or by rolling in the bar. Instead of the continuous ribs and grooves along the

blades, lugs, pins, or projections, and corresponding depressions may be employed, the result being the same. The blades thus constructed are placed one upon another, as shown in the drawing, the rib of one fitting into the groove of an adjoining blade, the whole being secured together and to the handle D by means of a rod, E. This rod passes centrally through the blades and longitudinally through the handle, where it is held firmly by a nut, F, fitting over its end and bearing against the end of the handle, or by some similar device. By this method of construction and application the blades are fastened rigidly to the handle and prevented from turning upon each other when in use. The tool thus produced will readily commend itself to the trade, not only on account of its simplicity and economy of construction, but more especially as it overcomes a difficulty frequently encountered in tools of this class—to wit, the turning of the blades upon each other.

Having thus described my invention, what I claim is—

1. A mill-pick or other tool for cutting and working stone, the blades of which are formed with a longitudinal rib or series of projections on one side, and a corresponding groove or series of depressions in the opposite side, substantially as described, for the purpose specified.

2. The blade of a mill-pick, formed with a longitudinal rib or tongue on one side and a corresponding groove or depression in the opposite side, substantially as described, for the purpose specified.

ABRAM VAN DOREN.

Witnesses:

A. B. BOTTS,
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