

W. L. TETER.
Hand-Tool for Dressing Millstones.
No. 224,970. Patented Feb. 24, 1880.

Fig. 1

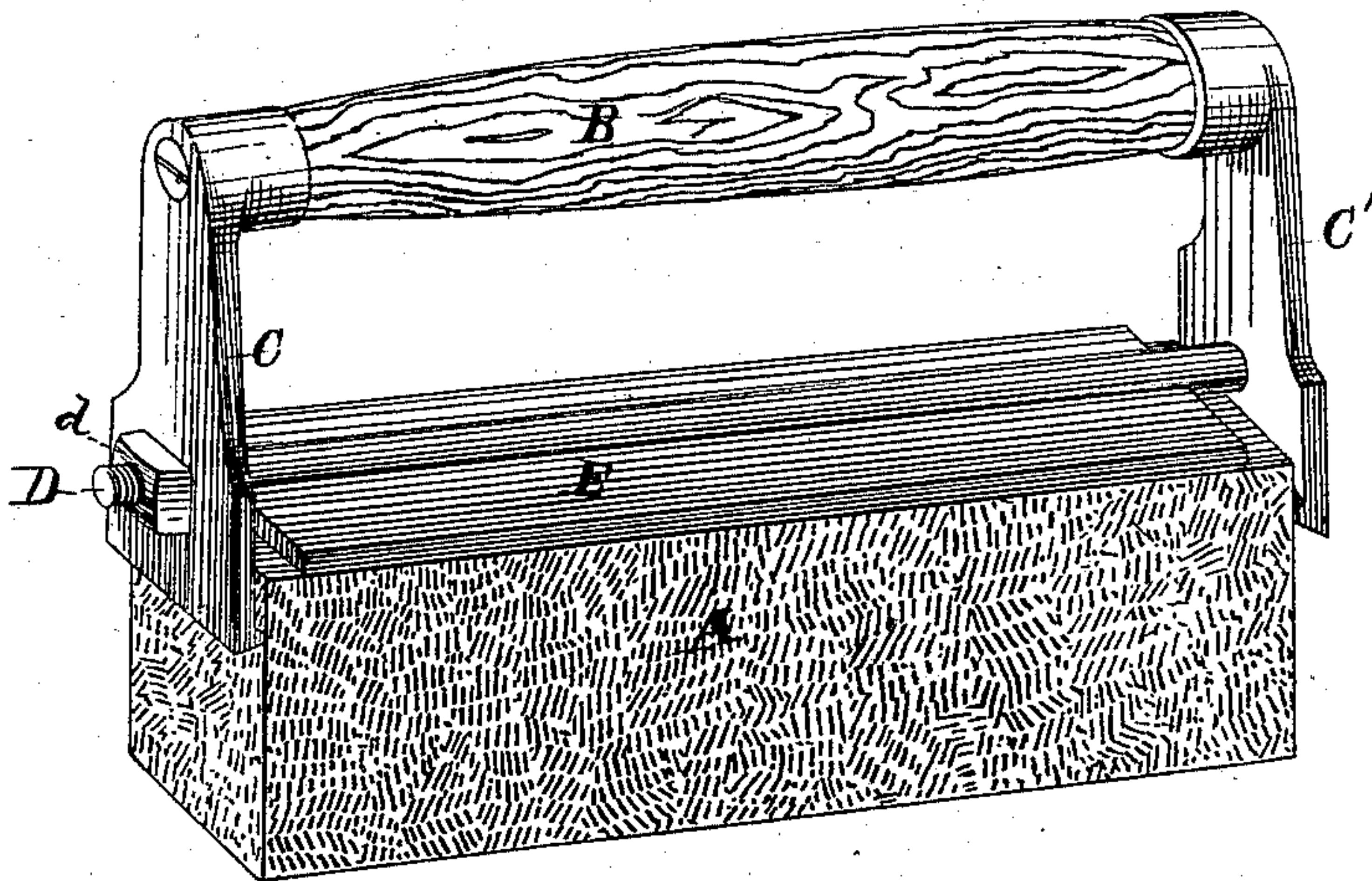
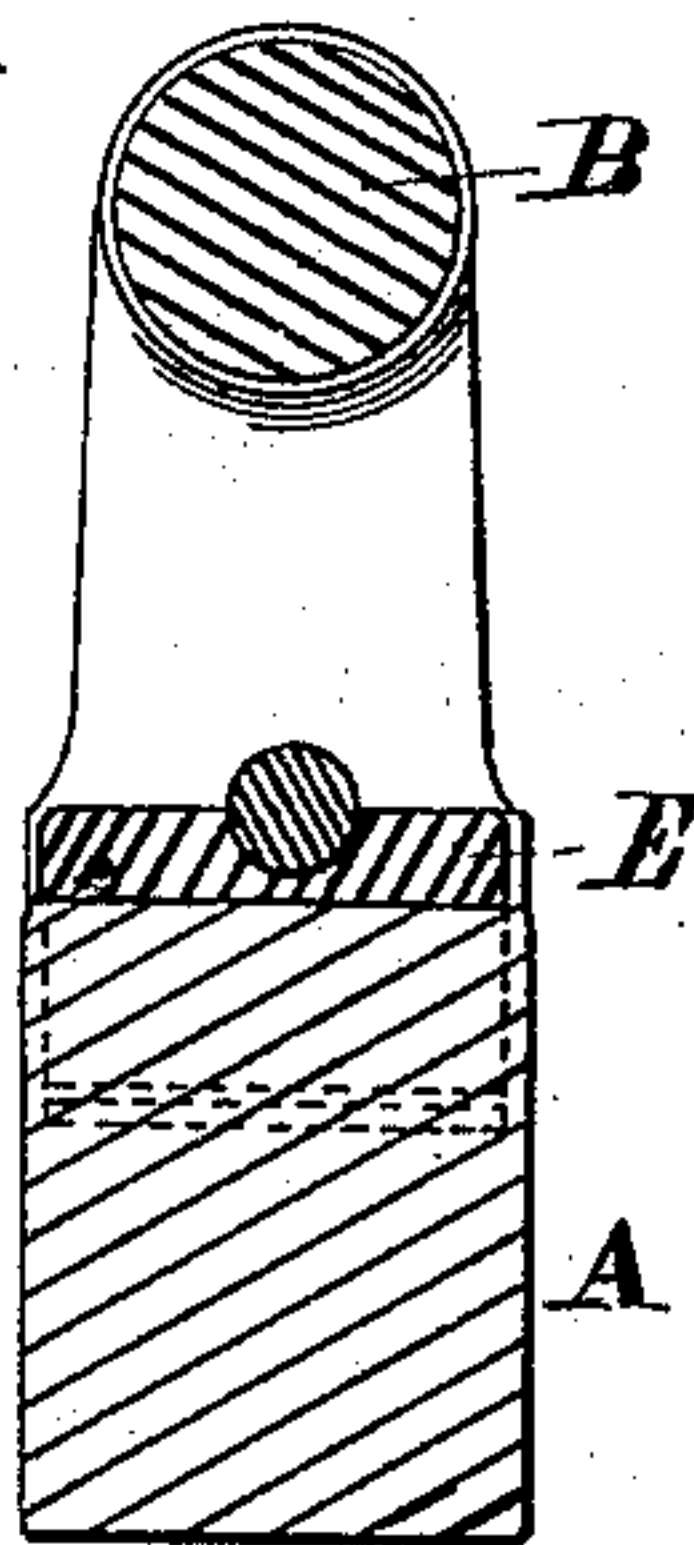


Fig. 2



Witnesses:

C. F. Rowe
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UNITED STATES PATENT OFFICE.

WILLIAM L. TETER, OF PHILADELPHIA, PENNSYLVANIA.

HAND-TOOL FOR DRESSING MILLSTONES.

SPECIFICATION forming part of Letters Patent No. 224,970, dated February 24, 1880.

Application filed March 12, 1879.

To all whom it may concern :

Be it known that I, WM. L. TETER, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Hand-Tools for Dressing Millstones, of which the following is a specification.

My invention relates to that class of tools in which a block of emery, corundum, or other suitable substance is provided with a handle which will permit of its being rubbed across the face of the millstone to cut or dress up the furrows.

The object of the first part of my invention is to provide a cutting-block of any suitable substance, such as given above, with a detachable handle, so that said cutting-block may be worked by the handle, and in constructing the handle with clamps, so that the block may readily be released and changed in position relatively thereto, in order that any one of its sides or edges may be used when desired.

The improvement consists in forming the block of any suitable substance and applying thereto a handle having at either end griping-jaws, which clamp the sides or ends of the block in such a manner that the handle may be held securely to it.

The improvement further consists in combining the block, the handle with its griping-jaws, a clamping-rod extending across the back or upper face of the block, and a re-enforcing-plate between the rod and block to bear closely upon the surface of the block and strengthen it against sudden and severe blows.

Referring to the accompanying drawings, Figure 1 is a perspective view of my improved device. Fig. 2 is a vertical transverse section through the same.

The cutting-block A is preferably of rectangular shape, about the size of an ordinary building brick, formed with sharp, well-defined edges, and made of any suitable material.

There are several materials which will do for the block; therefore I do not confine myself to the use of any particular one.

The handle B is preferably formed of wood, and is provided with clamping-jaws C C' or standards screwed to the handle at their upper ends, and provided with a tension-bolt, D, having a head at one end, binding the jaw C,

and a nut, d, at the other end, resting against the outer face of the jaw C' and clamping the jaws firmly against the sides or ends of the block.

The jaws C C' may be formed with knife-edges or pointed serrations turning inwardly to more firmly bite the sides of the block.

A re-enforcing-plate, E, rests upon the upper surface of the block, and is grooved upon its upper side to receive the bolt D, so that it may be held firmly against the upper face of the block to strengthen it against violent blows and undue strain which may come upon it.

The jaws may be readily released from the block by unscrewing the nut d on the bolt D, and the jaws may be clamped against the block in new positions when the working-face shall have been worn or shall have lost its grit, or when it is desired to use a different size or shape of cutting-surface upon the face of the stone.

If the block be made of a suitable substance it can be used with water or other lubricant, which will greatly facilitate the cutting operation, and need not be molded and held within a frame or block to prevent it from being broken.

When the block has been worn out a new one may be readily applied to the handle, and the tool will become as good as new, and blocks of different degrees of fineness of grit may be interchanged upon the handle to suit the condition of the stone when desired.

I claim—

1. A tool for dressing millstones, formed of a block of any suitable substance, provided with a detachable handle, substantially for the purpose specified.

2. In a tool for dressing millstones, the combination of the cutting-block, the handle B, provided with griping-jaws C C', the clamping-rod D, to tighten the jaws, and a re-enforcing-plate, E, between the rod and block, substantially as and for the purpose specified.

3. In a tool for dressing millstones, the combination of the cutting-block, handle B, and griping-jaws C C', for the purpose set forth.

In testimony of which invention I hereunto set my hand.

WILLIAM L. TETER.

Witnesses :

EDWIN T. ALLEN,
J. H. BAILEY.