

J. Barker,

Polishing Machine.

No. 102474.

Patented May 3, 1870.

Fig. 1

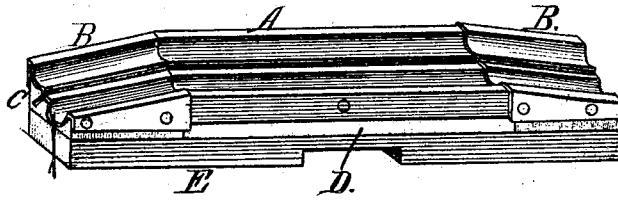


Fig. 3

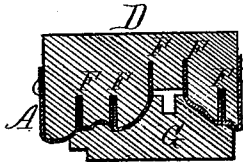
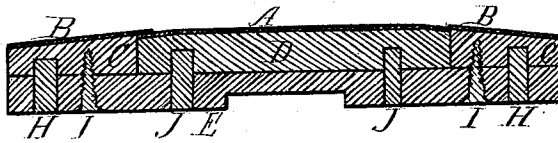


Fig. 2



Attest:

E. C. Gibson.
G. D. Chapin

Inventor
Joseph Barker

United States Patent Office.

JOSEPH BARKER, OF CHICAGO, ILLINOIS, ASSIGNOR TO HIMSELF AND PHILIP MYERS, OF SAME PLACE.

Letters Patent No. 102,474, dated May 3, 1870.

IMPROVEMENT IN SAND-PAPER HOLDER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOSEPH BARKER, of Chicago, in the county of Cook and State of Illinois, have invented an Improved Sand-papering Block; and I do hereby declare that the following is a full and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings and letters marked thereon, making a part of this specification, in which—

Figure 1 is an inverted perspective view of my improved sand-papering block.

Figure 2, a longitudinal section of the same.

Figure 3, a section of a block arranged to sand-paper moldings having more members than the block shown in fig. 1.

The nature of the present invention consists in tapering the ends of the block so as to bring the ends of the sand-paper above the surface to be smoothed, and in securing the ends of the paper by metal shoes or plates, in order that the block may pass from one molding to another, and over uneven surfaces, without tearing the paper loose from the block; and in the novel manner in which the block is so arranged that the paper may be readily removed and replaced; also, the manner in which the angles of the paper are formed, so as not to destroy the contour of the moldings, as the whole is hereinafter fully described.

D represents a block, whose face is an exact reverse counterpart of the molding to be smoothed, and whose face ends are somewhat tapered down, in order to bring the ends of the sand-paper A above the face of the molding.

Shoe-blocks C, having tapering ends, and also faces conforming to the molding to be smoothed, are shod with metal plates B, which lap over the ends of the sand-paper A, and hold it firmly to the ends of the

block D, said plates being fastened to blocks C by means of screws or nails, as most convenient.

The blocks C and D are held to a block or saddle, E, by means of screws I, or their equivalents, and dowels H, as shown at fig. 2.

This construction and arrangement is such that when a strip of sand paper is to be put on the block D, or removed from it, all that is required is to remove the blocks C.

At fig. 3, the block D is provided with grooves or channels F, in which single or double thicknesses of sand-paper are put, in order so to form an angle that the sharp edges of a molding will not be cut away, the molding shown at G pressing the paper closely to the block, while the metal shoes B hold the ends of the paper as aforesaid, and prevent them from catching when a series of moldings are run under the block.

Having thus described my invention,

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

1. The shoe-block C, provided with plate-metal shoes B, when said shoes are conformed to the face of the molding to be smoothed, tapered outward, and lapped over the ends of the sand-paper A, so as to hold it in place on block D, as set forth.

2. The combination of the block D, when inclined upward at its ends, provided with grooves or channels F to hold the angles of sand-paper A, and shoe-plate B, for holding the ends of the sand-paper, as set forth.

3. A sand-papering block, consisting of the combined parts D E C, dowels J, screws I, and shoes B, when all of the said parts are arranged as and for the purpose set forth.

JOSEPH BARKER.

Witnesses:

E. E. GIBSON,
G. L. CHAPIN.