

June 21, 1949.

J. PAUL

2,474,064

SANDING BLOCK

Filed Oct. 14, 1947

Fig. 1.

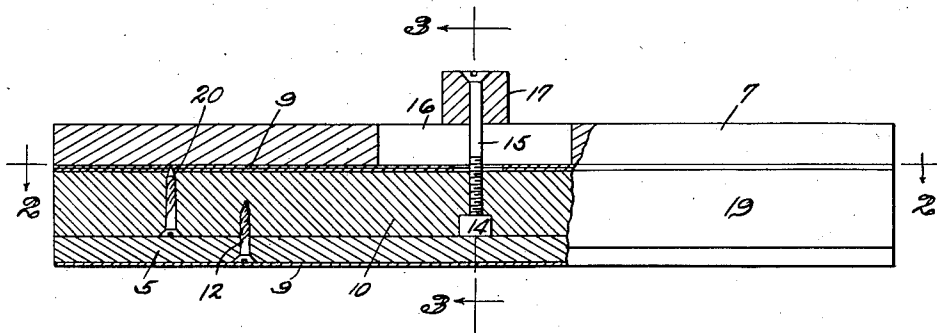


Fig. 2.

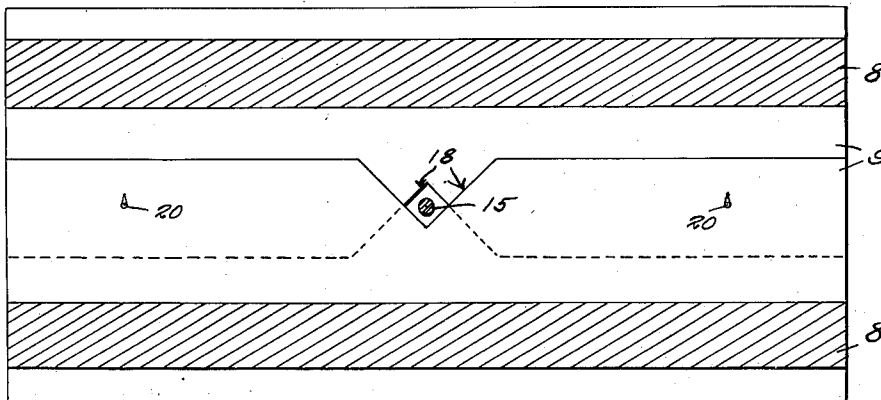
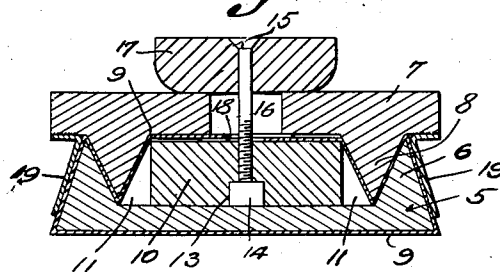


Fig. 3.



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UNITED STATES PATENT OFFICE

2,474,064

SANDING BLOCK

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Application October 14, 1947, Serial No. 779,793

2 Claims. (Cl. 51—187)

1

This invention relates to sanding blocks designed for supporting sandpaper or emery paper in such a way as to facilitate the sanding of surfaces.

An important object of the invention is to provide a block which is so constructed that the sandpaper or emery paper may be readily and easily removed therefrom and replaced.

Another important object of the invention is to provide a sanding block which may be operated close to the edge of molding or surfaces extended at right angles to the surface being sanded.

Still another object of the invention is to construct a sand block so that it may be readily gripped by the operator, protecting flaps being provided to protect the fingers of the operator against contact with the rough sand or emery paper used on the block.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts, hereinafter more fully described and pointed out in the claims, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawing

Figure 1 is a longitudinal sectional view through a sanding block constructed in accordance with the invention.

Figure 2 is a sectional view taken on line 2—2 of Figure 1.

Figure 3 is a sectional view taken on line 3—3 of Figure 1.

Referring to the drawing in detail, the sanding block comprises the body portion 5 which is formed with upstanding ribs 6 formed along the longitudinal side edges thereof, the ribs 6 being formed with beveled surfaces, as clearly shown by Figure 3 of the drawing.

Cooperating with the body portion 5, is the upper movable section 7 which is of a width equal to the width of the body portion, and is provided with depending ribs 8, which ribs are spaced from the side edges of the upper movable section, and are so shaped that they present beveled surfaces that cooperate with the inner beveled surfaces of the ribs 6 in gripping the sanding paper which is indicated by the reference character 9, therebetween. The reference character 10 indicates an elongated block which is disposed between the ribs 6 of the body portion, the elongated block being of a length to extend through-

2

out the length of the body portion. This block is of a width so that spaces 11 are provided between the side edges of the block and the inner surfaces of the ribs 6. The block 10 is secured to the body portion, by means of the screws 12.

An opening 13 is formed in the lower surface of the block 10, at a point intermediate the ends of the block, the opening being designed to accommodate a nut 14 to which the threaded end of the screw 15 extends. This screw 15 also extends through the elongated opening 16, the screw also passing through the block 17 that rests on the upper movable section 7, directly over the opening 16, as clearly shown by Figure 3 of the drawing.

By rotating the screw 15 within the nut 14, it will be seen that the upper movable section 7 will be clamped between the block 17 and elongated block 10.

Screws 20 are also extended through the block, the pointed ends thereof contacting the sand paper while the sand paper is being drawn tightly around the block, the pointed ends of the screws 20 cutting into the sand paper holding the paper taut while the sections of the block are being drawn together.

It will, of course, be understood that the sand paper which is stretched over the block, is of a length so that it will pass between the ribs 6 and 8 of the members 5 and 7, so that the sand paper will be clamped in position and held securely while it is being moved over the surface being sanded.

As shown by Figure 3, the ends of the said paper extend to positions where they are overlapped on the upper surface of the block 10, the sand paper being formed with notches 18 providing a clearance for the screw 15.

Secured to the extended longitudinal lower edges of the upper movable section 7, are leather protecting strips 19 which overlie portions of the sand paper which would fall opposite to the fingers of the hand gripping the sanding block while in operation. These strips of leather 19 lie squarely against the sanding paper resting on the outer surfaces of the ribs 6.

From the foregoing, it will be seen that due to the construction shown and described, I have provided a sanding block which may be readily gripped by the operator and held in such a way that the sanding block may be moved close to edges being sanded, and that the operator's fingers and hands will be protected against abrasion by sand paper, while the sanding block is in operation.

3

What is claimed is:

1. A sanding block comprising removably connected upper and lower sections between which an abrasive sheet is held, means for securing the abrasive sheet to the sanding block embodying, upwardly extended ribs formed along the longitudinal side edges of the lower section, the side surfaces of the ribs being beveled, ribs formed on the lower surface of the upper section, the side surfaces of the latter ribs being beveled, the beveled surfaces of said sections cooperating in gripping the abrasive sheet therebetween, a rectangular block secured between the upper and lower sections, the ends of the abrasive sheet being also clamped between the block and upper section; and means for forcing the upper section into clamping relation with the block securing the abrasive sheet therebetween.

2. A sanding block comprising removably connected upper and lower sections between which an abrasive sheet is held, means for securing the abrasive sheet to the sanding block embodying, upwardly extended ribs formed along the longitudinal side edges of the lower section, the side surfaces of the ribs being beveled, ribs formed on the lower surface of the upper section, the side surfaces of the latter ribs being beveled, the

4

beveled surfaces of said ribs cooperating in gripping the abrasive sheet therebetween, the major portion of the sheet being stretched over the lower section, a clamping block disposed between the sections and being secured to the lower section, piercing members carried by the block and extending above the upper surface of the block piercing an abrasive sheet stretched over the block, and means for moving the upper section and block into clamping relation with respect to each other.

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