

Jan. 19, 1926.

1,570,177

J. B. POINTER

SANDING BLOCK

Filed Jan. 29, 1923

FIG. 1.

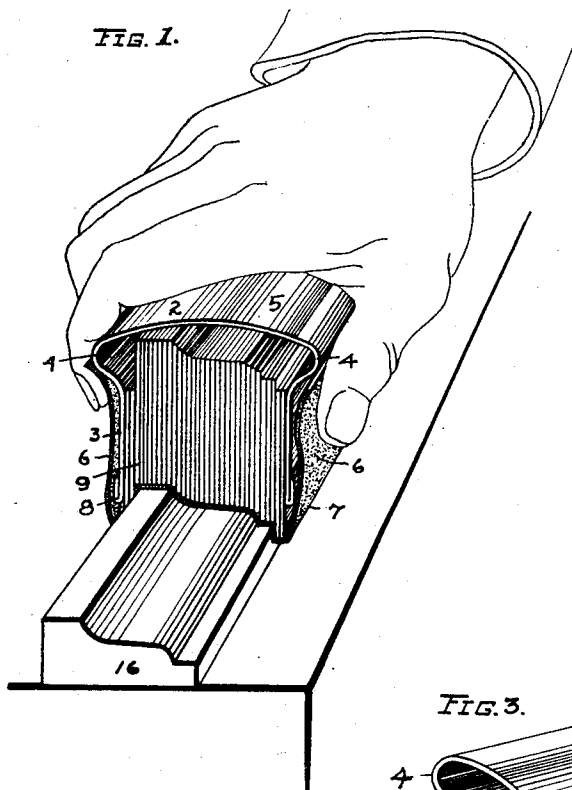


FIG. 2.

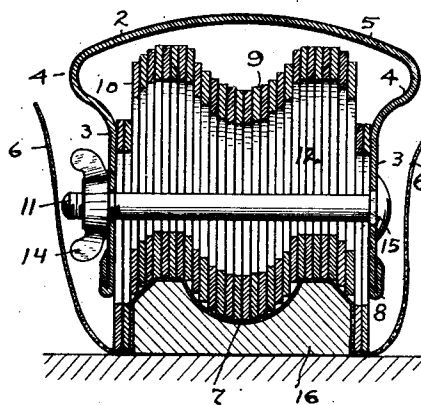


FIG. 3.

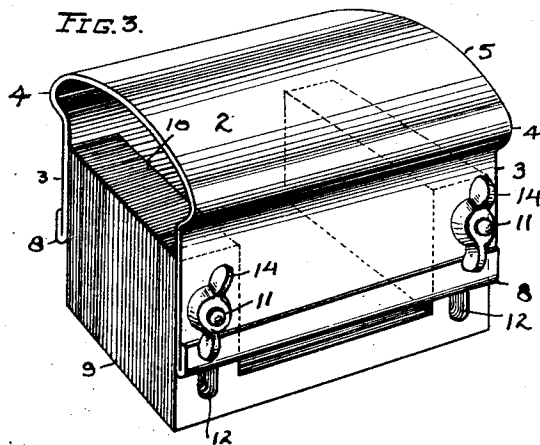


FIG. 5.

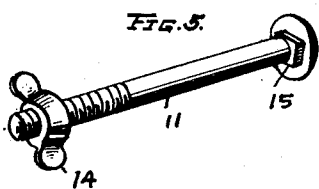
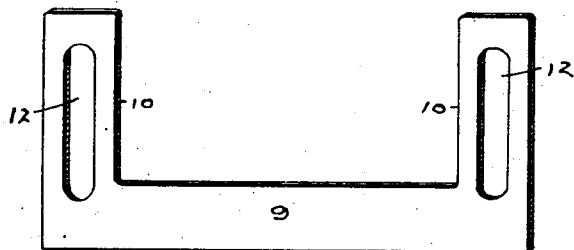


FIG. 4.



Inventor
JAMES B. POINTER.

Finley, Moore & Moore
Attorneys

UNITED STATES PATENT OFFICE.

JAMES B. POINTER, OF CLEVELAND, OHIO.

SANDING BLOCK.

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To all whom it may concern:

Be it known that I, JAMES B. POINTER, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Sanding Blocks, of which the following is a specification.

The present invention relates to an improvement in a smoothing and polishing tool adapted to be held and manipulated by hand, and the device is particularly constructed to expedite and facilitate sandpapering or similar abrasive or polishing operations upon irregular, curved or angular surfaces, using sand paper, emery cloth or equivalent material with the tool. In the annexed drawing Fig. 1 is a perspective view of the tool as it appears held in the hand and applied to a molding. Fig. 2 is an enlarged sectional view transversely of the tool and a piece of work. Fig. 3 is a perspective view of the tool alone. Fig. 4 is a perspective view of one of the adjustable former blades for the tool, and Fig. 5 is a perspective view of one of the clamping bolts.

The tool comprises an arched member 2 made of sheet-metal possessing spring properties and approximately four or five inches long and three or four inches wide to permit the same to be easily grasped and held in the hand. The side walls 3—3 of this member depend from and are set inwardly in respect to the round reverted portions 4—4 of the crown or arch 5, thereby affording a better grip for the thumb and fingers of the hand and also providing flat vertical surfaces against which the opposite end portions 6—6 of a sheet of sand-paper 7 may be pressed tightly by the thumb and fingers when this sheet is wrapped around or overlaps the doubled or folded bottom edges 8 of side walls 3—3. A relatively large number of thin metal blades 9 having correspondingly slotted vertical extensions 10 at their opposite ends are mounted loosely face to face within member 2 and form a laminated body or block adapted to project more or less below edges 8 of spring clamping walls 3—3. A pair of bolts 11—11

pass through suitable openings within the side walls and through the vertical slots 12 in the blade extensions and a thumb nut 14 engages the screw threaded end of the bolt outside of one of the side walls. The head end of each bolt has a square neck 15 or equivalent part adapted to seat within a like-shaped opening in the side wall to prevent the bolt from turning when the thumb-nut is tightened. When the thumb nuts are loosened slightly the blades are free to slide vertically in respect to each other and the clamping holder 2, and in placing the loose assembly upon a curved, angular or irregular shaped surface, for example a conge or cyma reversa molding 16, each blade will assume a position of rest according to its place of linear contact with such surface and the bottom side of the laminated block will conform closely to the cross-sectional pattern of the molding. The blades may then be clamped tightly together by turning the thumb-nut, and the operator may then place the sheet of sand paper 7 upon the molding and press the block down upon it until this sheet also conforms to the pattern. The edge portions 6 of the sand-paper sheet are free so that they may be pressed against the outer side of walls 3 and held firmly by the thumb and fingers of the hand in moving the tool back and forth over the work while bearing down upon the tool. If desired the blades may also be fixed in a tilted or angular position longitudinally within the clamping member 2, the slots 12 permitting one end of the blades to be raised and the other lowered relatively to the bottom edges 8. As shown and described the tool is simply constructed and inexpensive to make, and possesses sufficient weight to make its use effective without applying much pressure, and it may also be quickly adjusted and converted to fit any curved or angular surface to be rubbed or polished.

What I claim, is:

A smoothing and finishing tool, comprising a clamping hand-hold member made of spring metal having an arched top and straight depending side walls connected by reverted spring portions, whereby a set of

blades placed between said side walls may be held frictionally in contact in various adjusted positions, in combination with a plurality of thin metal blades adjustably
5 mounted between said walls adapted to extend variable distances beneath the bottom edges thereof conformable with different patterns of work to be operated upon, and clamping bolts extending through said side walls and said blades adapted to positively 10 clamp the blades when adjusted.

In testimony whereof, I affix my signature hereto.

JAMES B. POINTER.