

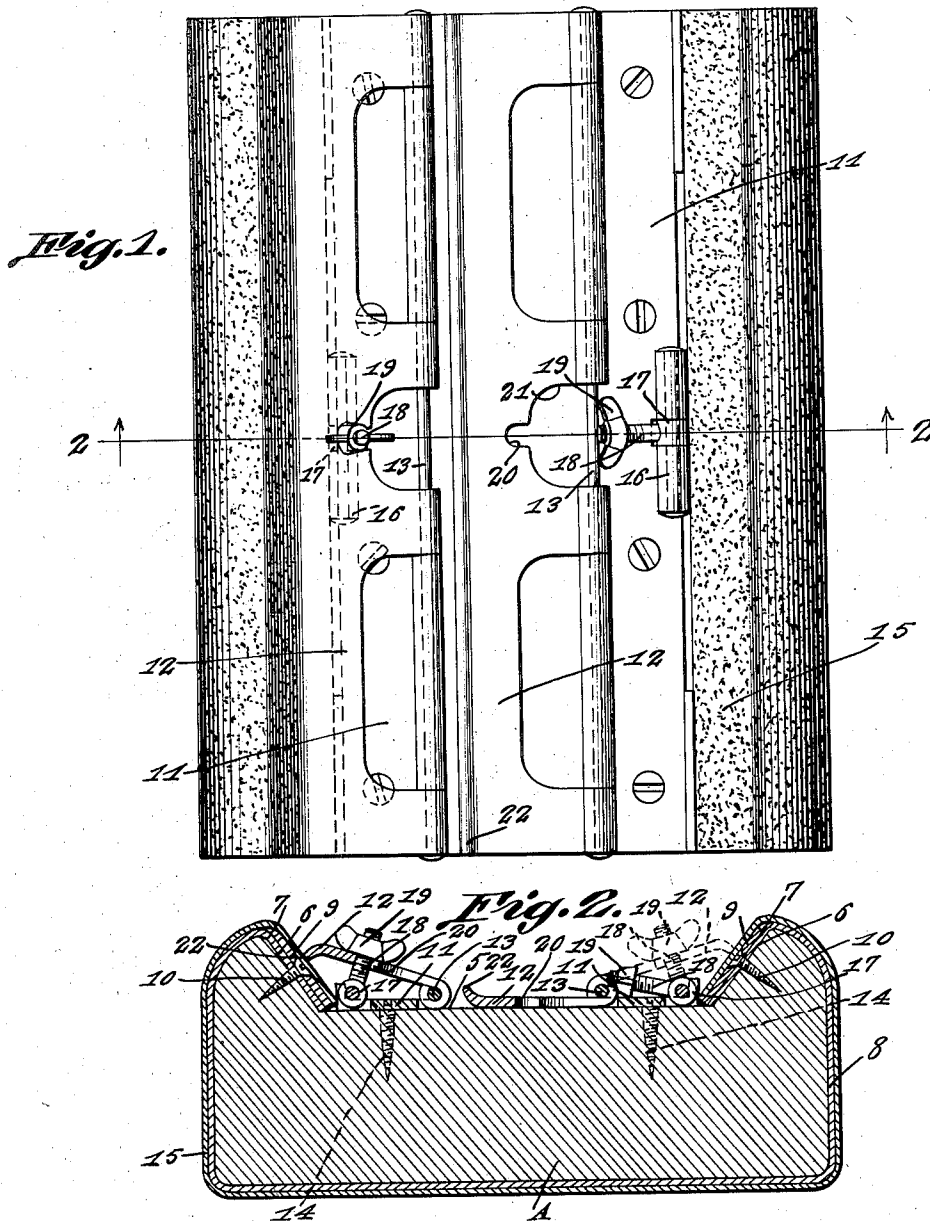
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SANDING BLOCK

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SANDING BLOCK

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4 Claims. (Cl. 51—187)

The invention relates to a sanding or polishing device and more especially to a sanding or polishing block.

The primary object of the invention is the provision of a device of this character, wherein the body of the same is in block form and is susceptible of having trained about it an emery cloth or sand paper, either being made fast or fixed so that the block is useful for sanding or polishing purposes.

Another object of the invention is the provision of a device of this character, wherein the clamps for the cloth or paper are of novel construction and will firmly and securely grip the opposite edges of the cloth or paper for the holding of the same tightly when trained about the block or body of the device.

A further object of the invention is the provision of a device of this character, which is simple in construction, thoroughly reliable and effective in its operation, enabling the emery cloth or sand paper to be readily and easily attached to or removed from the body of the device with dispatch, strong, durable and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention and pointed out in the claims hereunto appended.

In the accompanying drawing:

Figure 1 is a top plan view of the device constructed in accordance with the invention with one of the clamps in releasing position.

Figure 2 is a sectional view on the line 2—2 of Figure 1 looking in the direction of the arrows.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, the device comprises a body A in the form of a solid block having a sunken top 5 to provide upwardly divergent opposite side ledges 6, these being overlapped by the longer edges 7 of a resilient piece 8 which is wrapped about the sides and bottom of the block while fastening these edges 7 are metal retaining plates 9 which are secured in place by fasteners 10 so that the piece 8 will be held stretched in its wrapping about the block.

Arranged in the sunken top of the block are the stationary leaves 11 of hinge-like clamps forming elongated jaws 12 for vertical swinging movement

of the pivots 13 swingingly connecting the said jaws with the leaves 11, the latter being made fast by fasteners 14. The jaws 12 are adapted to swing toward and away from the ledges 6 of the body A.

Disposed over the piece 8 is sand paper 15 although it may be emery cloth and this paper has its opposite edges turned down onto the retaining plates 9 so as to be engaged by the jaws 12 for the fastening of the paper in place and carried by the block.

The leaves 11 each is formed medially thereof with a pintle sleeve 16 for a pintle 17 of a swinging wing nut carrying bolt 18, the nut being indicated at 19. The bolt 18 with the nut is adapted to be brought into a position to engage in a notch 20 formed in the jaw 12 and opening into a clearance 21 so that such bolt 18 can freely swing into position for the fastening of the jaw 12 in clamping position or to permit the said jaw to be swung to a releasing position, these positions being clearly shown by full and dotted lines, respectively, in Figures 1 and 2 of the drawing.

The jaws 12 are provided with biting edges 22 to assure a firm grip upon the paper 15 when such jaws are in position for clamping opposite edges thereof to retain the paper 15 wrapped about the body A.

The paper 15 can be readily detached by releasing the jaws 12 and when carried by the block the device is handy for sanding purposes. The piece 8 affords a resilient backing to the paper 15 when worn by the block.

While it has been stated that preferably the block A is made from wood the same may be made from metal, such as aluminum, if found desirable.

What is claimed is:

1. A device of the character described comprising a block having a sunken top forming divergent opposite ledges, a pair of swinging clamps fitted in the sunken top and having clearance notches, an abrasive piece trained about the block at its bottom and sides and having its edges engaged by said clamps at the ledges of the block, and fasteners fitted in the sunken top and reversely swinging with respect to said clamps for passage through the clearance notches therein to firmly hold the clamps engaged against the abrasive piece.

2. A device of the character described comprising a block having a sunken top forming divergent opposite ledges, a pair of swinging clamps fitted in the sunken top and having clear-

- ance notches, an abrasive piece trained about the block at its bottom and sides and having its edges engaged by said clamps at the ledges of the block, fasteners fitted in the sunken top and reversely swinging with respect to said clamps for passage through the clearance notches therein to firmly hold the clamps engaged against the abrasive piece, and a resilient backing between the block and the said material and made secure to said ledges.
3. A device of the character described comprising a block having a sunken top forming upwardly divergent opposite ledges, a pair of clamps fitted in the sunken top, and each comprising a stationary leaf secured to the block, a movable leaf pivoted to the stationary leaf and a wing

nut carrying bolt pivoted to the stationary leaf, and an abrasive piece trained about the block at its bottom and sides and having its edges engaged by said clamps at the ledges of the block.

4. A device of the character described comprising a block having a sunken top providing upwardly divergent opposite ledges, an abrasive piece trained about the block at its bottom and sides and having its free ends resting on said ledges, and means for clamping the abrasive piece on the block including a pivoted leaf member and a pivoted bolt adapted to be disposed past their respective dead centers towards each other when in their operative positions.

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