

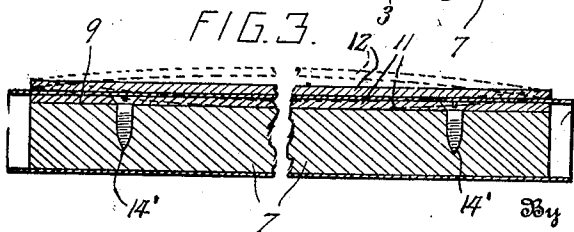
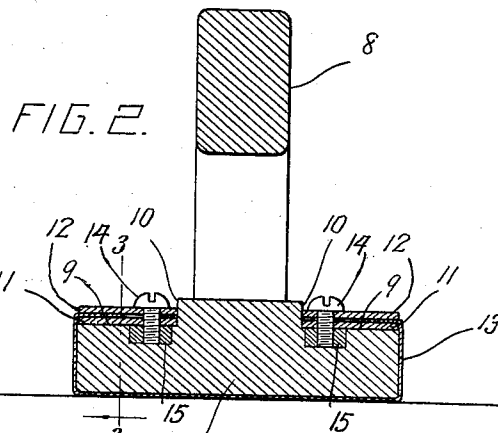
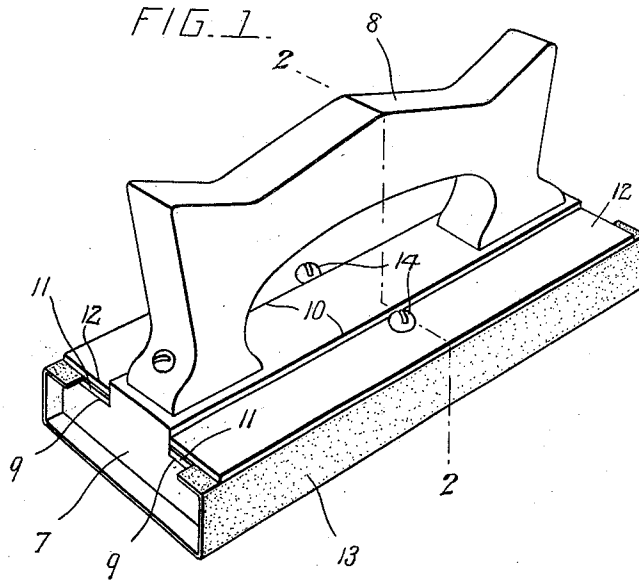
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SANDPAPER HOLDER

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UNITED STATES PATENT OFFICE.

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SANDPAPER HOLDER.

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The present invention relates to holders for sand paper and other abrasive or rubbing sheets, and aims to provide a novel and improved device of that kind which is simple and inexpensive in construction, and practical and efficient in use.

A further object of the invention is the provision of a holder for sand paper and other sheets comprising a block under which the sheet is disposed and having novel means thereon for clamping edges of the sheet.

With the foregoing and other objects in view, which will be apparent as the description proceeds, the invention resides in the construction and arrangement of parts, as hereinafter described and claimed, it being understood that changes can be made within the scope of what is claimed, without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein—

Figure 1 is a perspective view of the improved sand paper holder.

Fig. 2 is a cross section on the line 2—2 of Fig. 1.

Fig. 3 is a longitudinal section on the line 3—3 of Fig. 2.

In carrying out the invention there is provided a block or body 7 of rectangular form, and of suitable size, having a suitable handle 8 thereon which may be integral with the block or a separate part secured on said block. The block and handle may be of wood, metal or other suitable material.

The upper surface of the block is formed along its longitudinal side edges, at the opposite sides of the handle 8, with rabbets 9 having the inner walls 10, and pairs of superposed clamping strips 11 and 12 of suitable metal and disposed in said rabbets with their inner edges abutting the walls 10.

The sheet 13 of sand paper or other abrasive or rubbing material extends under the block 7 and upwardly across the opposite sides thereof, and the longitudinal edge portions of the sheet are bent inwardly and inserted between the outer edge portions of the strips 11 and 12, so that the edges of the sheet may be clamped between the strips.

Each strip 11 is secured on the block 7 by means of two screws 14' or other securing elements engaging through apertures in the strip near the opposite ends thereof and engaging down into the block below the corresponding rabbet 9. Each strip 12 is clamped

on the companion strip 11 by means of a clamping screw or bolt 14 engaging through an aperture in the strip 12 adjacent to the inner edge thereof and intermediate the ends of the strip. The screws 14 also extend downwardly through apertures in the strips 11 and engage in nuts 15 embedded in the block 7 below the strips 11. A single screw or securing element suffices for each clamping strip 12, inasmuch as the inner edge of said strip bearing against the wall 10 will prevent the strip from turning on the screw.

In the normal unsprung formations of the strips 11 they are curved longitudinally, as seen in dotted lines in Fig. 3, so that their terminals extend upwardly from the block with the intermediate portions of said strips bearing on the block over the nuts 15. Thus, when the screws or securing elements 14 are tightened the terminals of the strips 11 are sprung downwardly to bear on the block. This will press the intermediate portions of the strips 11 tightly over the nuts 15. The screws 14' have countersunk heads seated in the apertures in the strips 11 so as to be flush with the upper surfaces of said strips. The strips 12, in their natural unsprung formations, are also curved, and the curvature is reverse to that of the strips 11, inasmuch as the strips 12 are bowed upwardly, as seen in dotted lines in Fig. 3. Thus, with the ends of the strips 12 bearing on the strips 11 and edge portions of the sheet 13, the screws 14 when tightened will spring the intermediate portions of the strips 12 downwardly, thereby pressing the terminals of said strips tightly down on the strips 11 and sheet 13, to securely clamp the sheet at the opposite ends thereof.

The paper or sheet may be conveniently moved about over the surface of the wood or object to be smoothed, thus providing a convenient means for sand papering or rubbing down the surface, with a saving in time, as well as economical use of the sand paper or sheet 13. The device thus provides for both economy in time and material. As shown, the sides of the block 7 are square or vertical so that they may be moved into square corners, and, if desired, the lower longitudinal edges of the block 7 may be rounded so as to move in rounded corners.

The sheet 13 may be readily removed, when worn out, by loosening the screws 14, so that a new sheet may be substituted. It

is also possible to clamp a number of sheets to the device, so that the sheets may be torn off or removed one at a time.

It is also possible to use the clamping strips 11 and 12 at the ends of the block or body 7 as well as along the sides thereof, as will be apparent, inasmuch as the rabbets 9 and strips may extend across the upper surface of the block 7 at either of the opposite edges of the block, the block being of suitable size and the handle 8 spaced from the edges to permit the strips to be disposed between the handle and said edges.

Having thus described the invention, what is claimed as new is:—

1. A device of the character described comprising a block of wood, pairs of lower and upper clamping strips on the block at opposite edges thereof for clamping the edges of a sheet extending under the block means securing the lower strips of said pairs on the block, and securing means engaging through the upper and lower strips for clamping them together to clamp the edges of said sheets between them.

2. A device of the character described comprising a block, resilient clamping strips on the block at opposite edges thereof, said strips being curved longitudinally of said edges in their unsprung formations so as to bow upwardly from the block between the ends of the strips, said strips being adapted to clamp the edges of a sheet extending under the block, and means for springing the

intermediate portions of said strips downwardly toward the block to clamp the edges of said sheet.

3. A device of the character described comprising a block of wood, pairs of lower and upper clamping strips on the block at opposite edges thereof for clamping the edges of a sheet extending under the block, means securing the lower strips of said pairs on the block, nuts embedded in the block below said lower strips, and screws engaging through the upper strips into said nuts for clamping the upper strips on the lower strips and edges of said sheet.

4. A device of the character described comprising a block having upper rabbets along opposite edges forming walls, lower clamping strips secured in said rabbets, upper clamping strips above said lower clamping strips for clamping the edges of a sheet extending under the block, the upper clamping strips being curved longitudinally in their normal unsprung formations so as to bow upwardly from the block, a single screw engaging through each upper clamping strip adjacent to its inner edge and intermediate the ends of the strip, and nuts embedded in said block under the lower clamping strips for the engagement of said screws, the inner edges of the upper clamping strips abutting said walls.

In testimony whereof I hereunto affix my signature.

SEBERN JOSEPH SLOAN.