

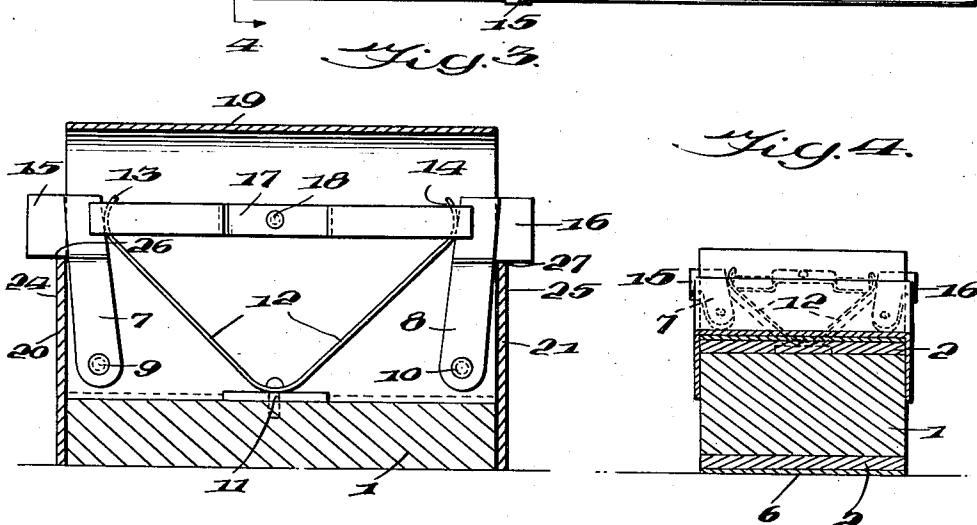
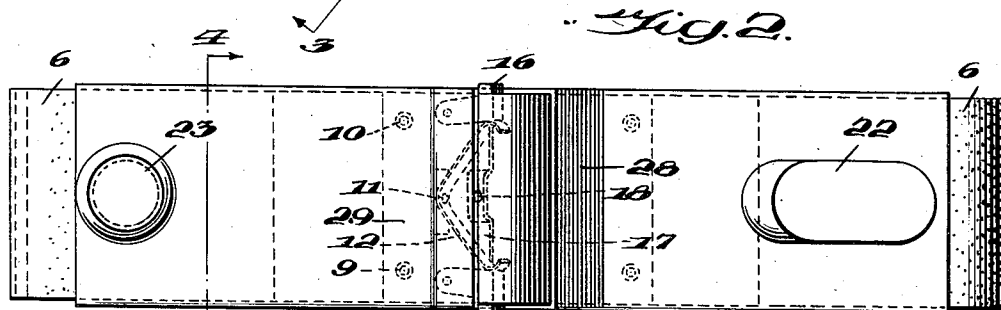
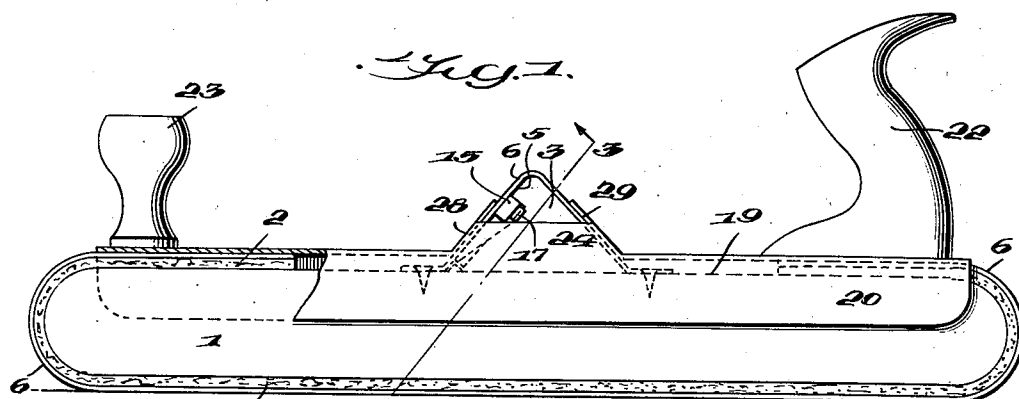
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HAND SANDER

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HAND SANDER

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5 Claims. (Cl. 51-187)

This invention relates to a device for sanding floors and other surfaces by hand. The purpose of this invention is to provide a hand sander, the parts of which may be rigidly attached to each other.

Other objects of the invention will appear hereinafter throughout the specification.

In the drawing:

Figure 1 is a side elevation of a hand sander embodying my invention.

Figure 2 is a top plan view of the hand sander shown in Figure 1 showing portions of the latches and operating parts for the same in dotted lines.

Figure 3 is a section taken on the line 3-3 of the Figure 1 and:

Figure 4 is a section taken on the line 4-4 of Figure 2.

In the drawing the numeral 1 indicates the body of the hand sander which may be constructed of wood or other suitable material. The under side and a portion of the upper surfaces of the body may be provided with a suitable covering of felt or other cushioning material 2.

Preferably centrally located on the upper surface of the body is a raised inverted V portion 3, comprising oppositely sloping sides 4 and 5. The sand paper is indicated by the numeral 6. This sand paper may be furnished in the form of a belt as shown, so as to cover the entire outside body with the exception of the sides thereof, or a strip of sand paper may be used instead, the ends terminating along the sides of the V shaped portion. Normally in line beneath the sand paper when in place are a plurality of latches 7 and 8 which are pivoted at 9 and 10 respectively to one of the sloping portions 5. Fastened to the base of the sloping side 5 by means of a nail or screw 11 is a leaf spring 12 having end portions 13 and 14 which bear against the latches 7 and 8 respectively. These latches are provided with noses 15 and 16.

The numeral 17 indicates a guideway for the latches when they are pushed back in retracted position. The guideway is fastened in position by means of a screw or nail 18 to the sloping side 5, as indicated in Figure 3.

Removably mounted on the body as shown in the figure is the top 19 constructed of metal and having side flanges 20 and 21.

Rigidly mounted on the upper side of the top are handles 22 and 23. The sides 20 and 21 each have elevated middle portions such as indicated at 24 and 25 in Figure 4, terminating in edges 26 and 27 respectively lying adjacent to the vertical sides of the V shaped portion of the

body. The top 19 has inclined sides 28 and 29 in partially overlying the sloping portions 4 and 5 of raised portion 3. The noses 15 and 16 of the latches 7 and 8 are adapted to be projected across these edges 26 and 27 by the end portions of the spring 12 as shown in the figures, to hold the top in rigid relationship with the body, and also to hold sand paper so as it will not slip on the felt covering 2.

It will be seen from the above description that I have provided a practical, cheaply constructed hand sander which adequately serves its purpose, in that it consists of a minimum of parts, rigidly held together by the latches to thereby maintain the parts in proper relationship for use. The parts may be quickly dis-assembled by moving the latches inwardly on the slideway 17 by pressure of the fingers to a position where the latch noses clear the edges 26 and 27, whereupon the top may be removed from the body. After removal of the top disposal of the used sand paper may be effected. A fresh piece of sand paper may then be positioned on the body and the top again placed thereon and held in position by the latches 7 and 8.

It is understood that the above description is merely illustrative, and in no wise limited and that I desire to comprehend within my invention such modifications as may be embraced within the claims and the scope of my invention.

The term "raised portion" in the claims is to be understood as including all parts of the body of the sander wherever attached, located above the level of the top horizontal surface of the body.

What I claim is:

1. In a hand sander, the combination of a body having a raised portion, latch means on said raised portion, a top having handles mounted thereon, said top having an edge, whereby when said top is placed on said body said latch means will engage said edge to prevent removal of said top and maintain an abrasive strip when mounted on said body and surrounding the same, and located between said top and said body in position on said body and against said raised portion.

2. In a hand sander, the combination of a body having a raised central portion extending transversely of the body, a plurality of latches on said raised portion and movable transversely of said body, a top, said top having an edge extending longitudinally of said body, whereby when said top is placed on said body said latch means will engage said edge to prevent removal of said top

and maintain an abrasive strip in position on said body and against said raised portion.

3. In a hand sander, a body, a top for said body having side flanges, means for holding said top and an abrasive strip when the same surrounds said body and is located between said top and body in fixed position on said body comprising cooperating spring pressed latch means on said body cooperating with the flanges on said top whereby the abrasive strip and top are securely held on said body.

4. In a hand sander, a body, a top for said body having side flanges, said body adapted to support a strip of abrasive material surrounding said body, means for holding said top and said abrasive material in fixed position on said body comprising latch means on said body and the

flanges on said top cooperating with said latch means, to hold the abrasive strip securely on said body and the top and body together.

5. In a hand sander, the combination of a body having a raised portion, latch means on said raised portion, a top having an edge whereby when said top is placed on said body, said latch means will engage said edge to prevent removal of the said top and maintain a strip of abrasive material, when the same is placed on said body so as to surround the same and against said raised portion, said raised portion having at least one sloping side cooperating with said top for engaging said abrasive material, and clamp the same on said sloping side.

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