

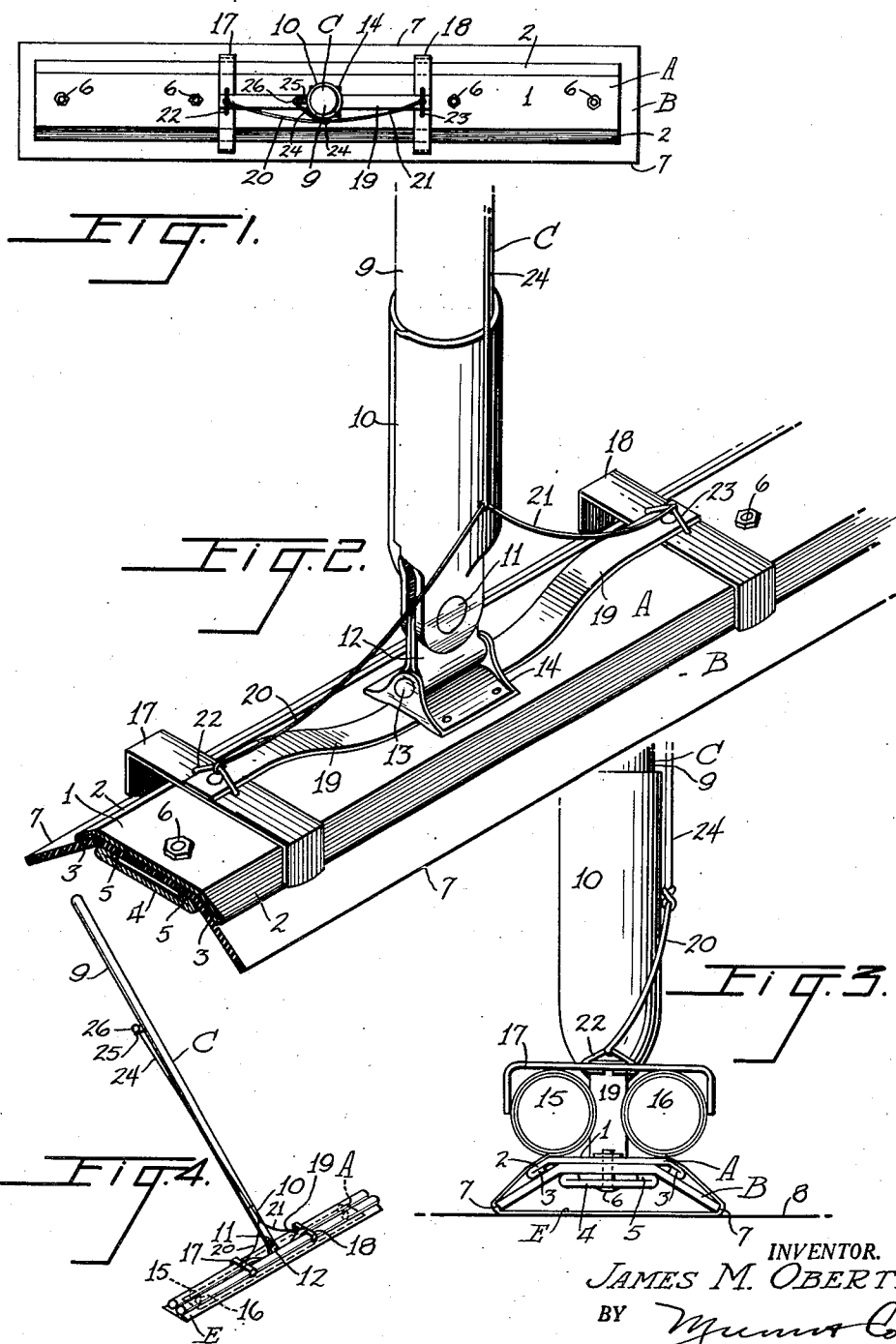
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DUST CLOTH HOLDER

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DUST CLOTH HOLDER

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3 Claims. (Cl. 15—231)

My invention relates to improvements in dust cloth holders, and it consists of the combinations, constructions and arrangements hereinafter described and claimed.

5 An object of my invention is to provide a dust cloth holder which makes use of a frame for a resilient member, the resilient member projecting beyond all of the marginal sides of the frame. The device further makes use of a dusting cloth 10 that extends across the under side of the frame and has its ends wrapped around rollers which are removably carried by the frame. The means for securing the rollers to the frame consists of spring pressed clamps and these may be manu- 15 ally freed from the rollers when it is desired to bring a new portion of the cloth in a position to extend across the bottom of the frame.

A handle is secured to the frame and has a universal connection therewith, and this permits 20 the operator to swing the frame into various angular positions by merely rotating the handle about its longitudinal axis. In this way the frame can be moved into corners and other places around furniture which would be hard to clean with a 25 frame having a handle rigidly connected thereto.

Other objects and advantages will appear in the following specification, and the novel features of the device will be particularly pointed out in the appended claims.

30 My invention is illustrated in the accompanying drawing forming part of this application, in which

Figure 1 is a top plan view of the device;

35 Figure 2 is an enlarged perspective view of a portion of the device in which the left hand end shows a transverse section;

Figure 3 is an end view showing the cloth and rollers in position; and

40 Figure 4 is a perspective view of the entire device.

In carrying out my invention I provide a frame indicated generally at A, a flexible member indicated at B, a handle shown at C, and a dusting cloth shown at E in Figures 3 and 4. The frame 45 A is composed of an upper member 1 having inclined edges 2 with portions 3 bent back upon themselves. A bottom member 4 has its edges 5 bent back upon themselves. The members 1 and 2 receive the flexible member B preferably 50 made of rubber and the parts 1, 4 and B are secured together by bolts 6, or other suitable means. Figure 1 shows how the member B projects beyond the edges of the part 1. The member B also projects beyond the edges of the part 4. 55 Figure 2 illustrates how the inclined portions 2

of the part 1 cause the edges 7 of the flexible member B to extend downwardly at an angle and to space the part 4 above the floor 8, see Figure 3. The handle C is composed of a wooden portion 9 that is received in a ferrule 10. Figure 2 shows how the ferrule has a pivotal connection at 11 with a clip 12. The clip in turn has a pivotal connection at 13 with a bracket 14, the bracket being secured to the top piece 1. The result is that the handle C has a universal con- 10 nection with the frame A.

A dusting cloth E may be of any length desired and has a width greater than the length of the frame A, see Figure 4. The cloth has a portion 15 passed beneath the frame A and the ends of the cloth are wrapped around rollers or rods 15 and 16. The rods are held in position on the top of the frame by a mechanism presently to be described. Figure 4 shows how the cloth projects 20 beyond the ends of the frame A and the cloth acts as a protector for the frame and for the pieces of furniture that may be contacted by the device in use.

The rods or rollers 15 and 16 are removably held in place on the frame A by spring pressed 25 clamps 17 and 18, see Figure 2. The clamps are secured to the ends of a leaf spring 19 and the spring is secured to the part 1 by the bracket 14. Normally the clamps 17 hold the rods 15 and 16 in the position shown in Figure 3. I have pro- 30 vided flexible members 20 and 21 which are connected to the clamps 17 and 18 by U-shaped members 22 and 23. A cord 24 is connected to the flexible members 20 and 21 and Figure 4 shows this cord as being passed through an eye- 35 let 25 secured to the handle 9, and as being provided with a knob 26. When the operator wishes to move the clamps 17 and 18 upwardly he merely pulls on the knob 26 and this through the medium of the cord 24 and the flexible members 20 and 40 21 will lift the clamps away from the frame. In this way the rods 15 and 16 are freed.

From the foregoing description of the various parts of the device, the operation thereof may 45 be readily understood.

The device can be used without the dusting cloth if desired. When using the device in this manner the flexible member B will yieldingly en- 50 gage with the floor and will move the dirt along the surface of the floor. If desired one of the rods 15 or 16 with the entire length of cloth wrapped therearound can be secured to the frame A by the clamps 17 and 18, and be placed on the frame adjacent to the advancing edge 7 of the flexible member B. The rod and cloth in this 55

instance will act as a stop and prevent the dirt from passing over the top of the frame A, while the device is being moved forwardly on the floor. It should be noted that inclining of the sides 7 results in a better sweeping action and further results in spacing of the part 4 above the floor so that the metal part cannot engage with the floor to mar it. The dust cloth E will also collect and hold more material and the sweeper can adjust itself to unevenness in the floor.

When using the dusting cloth E the cloth is preferably dampened and the ends are wrapped around the rods 15 and 16 so that the unused portions of the cloth will be wrapped adjacent to the rods. In this way the unused portions of the cloth are prevented from drying out too rapidly. The cloth when secured to the frame will take the positions shown in Figures 3 and 4. The portion of the cloth disposed beneath the frame will act as a dust collector while the advance rod 16 will act as a stop and prevent the larger pieces of dirt from passing over the top of the frame.

When the operator wishes to provide the under-surface of the frame with a new portion of cloth, he merely lifts the knob 26 and this frees the rollers 15 and 16 and permits them to roll off from the frame A by gravity. The frame can now be entirely removed from the cloth, and rollers, by merely lifting the handle 9 and it is not necessary for the operator to stoop down when freeing the frame from the rollers and cloth. The operator can now with his foot roll the roller 16 on the floor to wrap up the soiled portion of cloth. This movement will cause the other roller to revolve and to provide a cleaned and dampened portion of cloth between the rollers. The frame A can now be lifted and placed over the cleaned portion of the cloth. The operator now moves the knob 26 upwardly, and with his feet can roll the rods or rollers 16 and 15 upwardly on the inclined portions of the frame, and when the rods are disposed adjacent to the leaf spring 19 the knob 26 can be freed, and this will cause the clamps 17 and 18 to again engage with the rollers. It will be seen that the entire operation of bringing a clean portion of cloth into a

position underlying the frame can be accomplished without the necessity of the operator kneeling down or stooping over for any part of the operation. The cloth is preferably made long enough to permit a number of changes to be made before an entirely new or cleaned cloth is substituted for the soiled one.

While I have shown only the preferred form of my invention, it should be understood that various changes or modifications may be made within the scope of the appended claims without departing from the spirit of the invention.

I claim:

1. In a dust cloth holder, a flat, elongated rectangular frame, a leaf spring extending longitudinally and secured at its center to the flat top of said frame, and a U shaped cloth clamping member secured at each end of said spring, said U shaped members extending transversely across and having their legs extending down along the sides of said frame.

2. In a dust cloth holder, a flat, elongated rectangular frame, a dust cloth passing underneath the frame, two rollers having opposite ends of the dust cloth wound thereon and means for releasably mounting the two rollers upon the top of the frame adjacent and substantially parallel to each of the longer sides, the longer sides of the frame being inclined outwardly and downwardly substantially from the top to the bottom of the frame for permitting the rollers to be rolled up on top of the frame from a position on the floor, or vice versa.

3. In a dust cloth holder, a flat, elongated rectangular frame, a dust cloth passing underneath the frame, two rollers having opposite ends of the dust cloth wound thereon, means for releasably mounting the two rollers upon the top of the frame adjacent and substantially parallel to each of the longer sides, and a common operating means for releasing the two rollers, the longer sides of the frame being inclined outwardly and downwardly substantially from the top to the bottom of the frame for permitting the rollers to be rolled up on top of the frame from a position on the floor, or vice versa.

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