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N. M. SHAFFER

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WALL PAPER REMOVER

Filed May 25, 1929

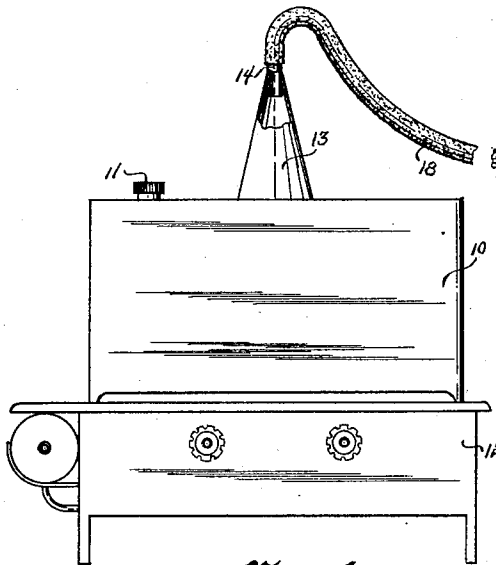


Fig. 1.

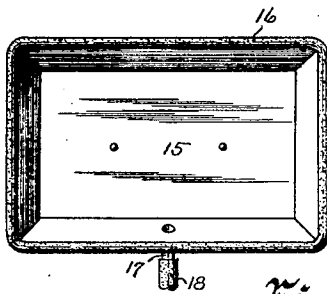


Fig. 3.

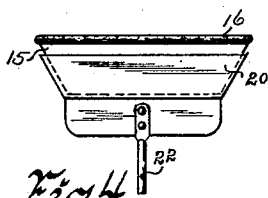


Fig. 4.

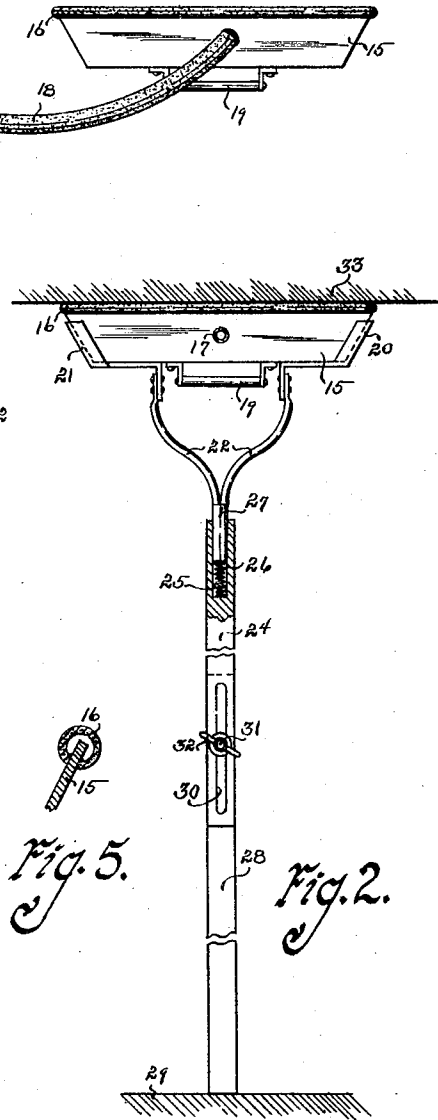


Fig. 5.

Fig. 2.

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WALL PAPER REMOVER

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The principal object of this invention is to provide a device for the removing of old wall paper from the walls and ceilings of rooms that is economical in manufacture, and durable in use.

A further object of my invention is to provide a steam wall paper remover that requires the utilization of a minimum amount of steam.

A still further object of this invention is to provide a steam wall paper remover that is capable of removing wall paper from ceilings without tiring the operator.

A still further object of this invention is to provide a steam wall paper remover that is self-supporting when the wall paper is being removed from a ceiling, and one that may easily be adjusted to ceilings of various heights.

These and other objects will be apparent to those skilled in the art.

My invention consists in the construction, arrangement, and combination of the various parts of the device, whereby, the objects contemplated are attained as hereinafter more fully set forth, and illustrated in the accompanying drawing, in which:

Fig. 1 is a side view of my invention ready for use.

Fig. 2 is a side view of a portion of the invention when used to remove wall paper from the ceiling of a room.

Fig. 3 is a top plan view of the steam tray.

Fig. 4 is an end view of the steam tray in the tray supporting members.

Fig. 5 is a cross sectional view of a portion of the steam tray.

One of the most difficult tasks in the repairing of a room is the removing of the old undesirable wall paper. This is especially true in the removing of the paper from the ceiling, and it has been my intention to overcome all such objections by providing a steam tray that does not require manual effort to hold it adjacent the ceiling.

I have used the numeral 10 to designate a steam producing tank having the water filling opening 11. This tank is designed to be partly filled with water and subjected to heat. In Fig. 1, I illustrate this tank resting

on a gasoline stove 12, shown in conventional form, but any other heat producing means may be used. On top of the tank 10 and communicating with the same is a steam cone 13.

Secured in the small end of the cone and extending some distance into the same is a metal pipe 14. By the pipe 14, extending into the cone, condensed steam forming on the inner side of the cone will not be carried with the live steam through the pipe 14, but will drip back into the tank 10. This means that the steam passing out of the pipe 14 will be comparatively dry.

I have used the numeral 15 to designate the steam tray having the rubber strip 16 embracing the marginal edge of the tray as shown in Fig. 5, and communicating with the inside of the tray 15 is a short pipe 17. The numeral 18 designates a flexible hose designed to have one end engaging the pipe 14 and its other end engaging the pipe 17. By this arrangement steam formed in the tank 10 will pass through the hose 18 and into the tray 15. By manually holding the tray by the handle 19 against a surface having wall paper to be removed, the steam in the tray will engage the wall paper and steam the same loose from the surface. The rubber embracing strip 16 aids in sealing the marginal edge of the tray against the surface to which the tray is applied, thereby preventing loss of steam and causing the steam to more successfully attack the wall paper to be removed.

This described part of the invention operates very successfully on vertical walls, but when used to remove paper from ceilings and the like, the manual holding of the tray against the ceiling becomes very tiresome. To overcome this I have provided a tray supporting member which I will now describe. The numerals 20 and 21 designate two tray embracing members. Having its two ends secured by suitable means to the two tray members, respectively, is the spring yoke member 22. By this construction the two members 20 and 21 will yieldingly embrace the two end portions of the tray 15 as shown in Fig. 2, and hold the same. To

place the tray in the tray embracing members it is merely necessary to spring the same into position between the two embracing members.

6 The numeral 24 designates a leg having a longitudinal bore 25 in its upper end. Resting in the bottom of this bore is a coil spring 26, designed to have one end engage the bottom of the bore 25 and its other end
10 engage the stem end 27 of the spring yoke when the stem end is slidably mounted in the bore as shown in Fig. 2. The numeral 28 designates a second leg designed to have its lower end engaging a surface 29 such as
15 a floor or the like. The numeral 30 designates a longitudinal slot in the lower end portion of the leg 24. Extending through the upper portion of the leg 28 and through the slot 30 is a bolt 31 having a winged nut
20 32. By this arrangement the legs 24 and 28 are not only secured together but are easily adjustable (by the bolt 31 passing through the slot 30), as to the distance between their two extreme ends, thereby compensating for
25 ceilings of various heights. The legs should be so adjusted and secured that when the leg 28 is engaging the floor 29 the spring 26 will yieldingly hold the tray 15 against the ceiling 33 as shown in Fig. 2, thereby supporting
30 the tray. To move the tray 15 to various positions over the ceiling the leg 28 may be lifted against the spring 26 until it is clear of the floor and the tray then slid to the desired position.

35 To remove the supporting portion of the invention from the steam tray it is merely necessary to lift the tray out of the tray embracing members.

40 Some changes may be made in the construction and arrangement of my improved wall paper remover without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims
45 any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope.

I claim:

1. In a device of the class described, a tray member, a pipe having one end communicating with the inside of said tray member, a
50 handle member secured to the bottom of said tray member, a spring yoke member, an elongated handle member secured to said spring yoke, and an embracing member secured to
55 each end of said spring yoke to frictionally engage and yieldingly hold said tray member by engaging two sides and the bottom of said tray member.

2. In a device of the class described, a tray
60 member having side walls extending upwardly and outwardly, a resilient member secured on the marginal edge of said tray member, a pipe having one end communicating with the inside of said tray member, two
65 embracing members engaging the two end

portions and bottom of said tray member respectively, a spring yoke member secured to said embracing members for yieldingly holding the same in engagement with said
70 tray member, and an elongated handle member secured to said spring yoke member.

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