

June 12, 1945.

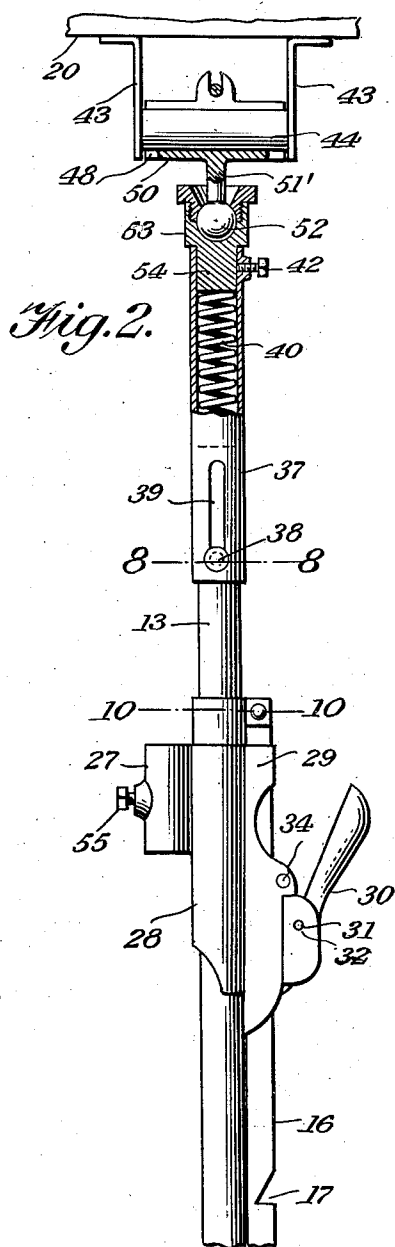
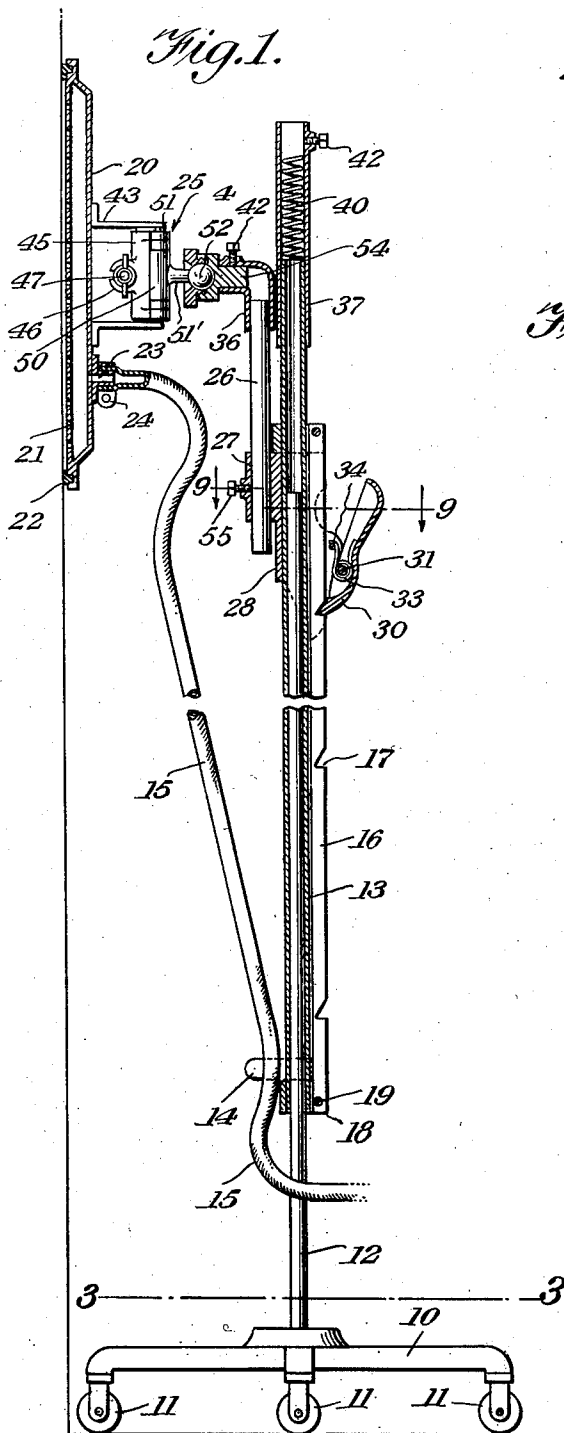
R. J. McMENAMY

2,377,949

WALLPAPER REMOVING DEVICE

Filed Jan. 21, 1942

2 Sheets-Sheet 1



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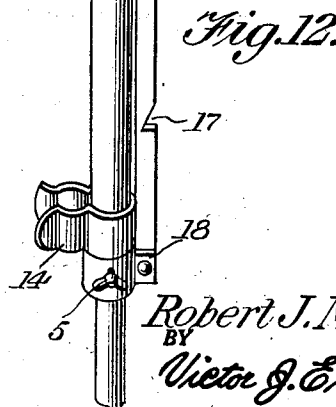
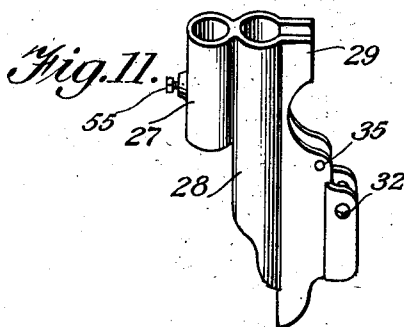
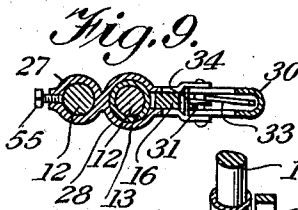
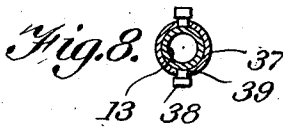
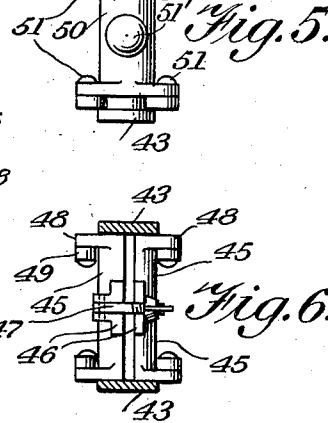
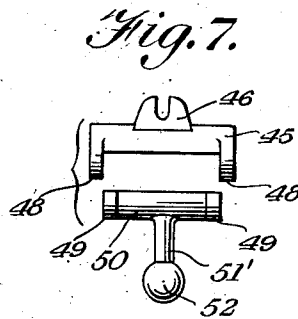
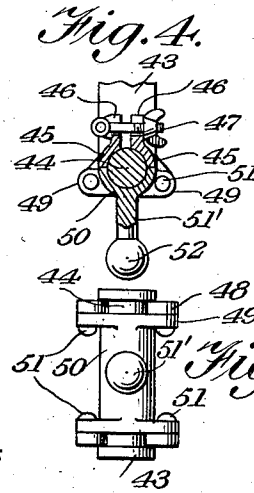
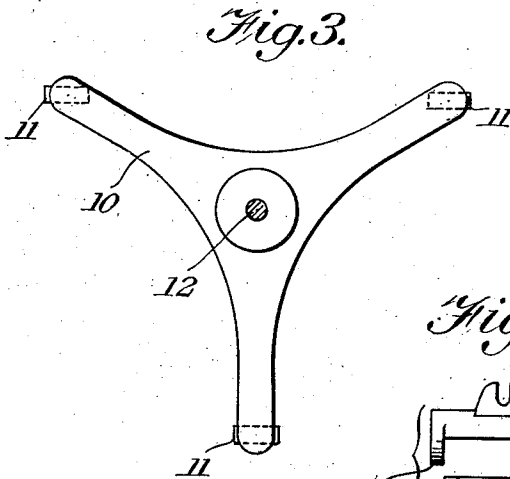
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WALLPAPER REMOVING DEVICE

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## UNITED STATES PATENT OFFICE

2,377,949

## WALLPAPER REMOVING DEVICE

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Application January 21, 1942, Serial No. 427,647

2 Claims. (Cl. 248—122)

This invention relates to a wallpaper removing device and has for an object to provide a device of this character in which the pan for steaming the wall paper will be supported upon a portable standard which may be rolled along the floor to apply the pan to a wall or ceiling and thus eliminate holding the pan manually while the wall paper is being steamed off.

A further object is to provide a device of this character in which the standard will be adjustable as to vertical height and in which the pan will be supported on the standard for various angular adjustments to accommodate slope of ceilings or irregular wall contours.

A further object is to provide apparatus of this character which will be formed of a few strong, simple and durable parts, which will be inexpensive to manufacture, and which will not easily get out of order.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings forming a part of this specification:

Figure 1 is a longitudinal sectional view of a wall paper remover constructed in accordance with the invention, showing the steaming pan applied to a wall.

Figure 2 is a view similar to Figure 1 but showing the steaming pan applied to a ceiling.

Figure 3 is a cross sectional view taken on the line 3—3 of Figure 1 showing the castered base of the standard.

Figure 4 is a cross sectional view of the adjustable clamp for holding the pan.

Figure 5 is a rear elevation of the adjustable clamp shown in Figure 4.

Figure 6 is a front elevation of the clamp shown in Figure 4.

Figure 7 is a plan view of the adjustable clamp showing the parts separated.

Figure 8 is a cross sectional view taken on the line 8—8 of Figure 2 showing the vertically adjustable tubular members of the standard.

Figure 9 is a cross sectional view taken on the line 9—9 of Figure 1 showing the means for adjusting the members of the standard vertically.

Figure 10 is a cross sectional view taken on the line 10—10 of Figure 2 showing the rack on which the pawl operates.

Figure 11 is a perspective view of the sleeve member which carries the pawl and adjustably receives the shank of the steam tray.

Figure 12 is a perspective view showing the notched rack and hose clip on the standard of the device.

Referring now to the drawings in which like characters of reference designate similar parts in the various views, 10 designates a base having three radially disposed arms provided at the end with respective casters 11. A post 12 is secured in any preferred manner to the base. A sleeve 13 is slideably mounted on the post and is provided at the lower end with a forked spring clamp 14 for supporting a steam hose 15. The sleeve is provided with a longitudinal rib 16 having notches 17, see Figure 12. The sleeve may be adjusted vertically on the rod according to various heights of rooms through the medium of split rings 18 at the top and bottom of the rib embracing the sleeve and secured to the rib by respective clamp bolts 19. The lowermost ring is secured to the post 12 by a set screw 5 and the lowermost ring engages underneath the spring clamp 14. The sleeve 13 may be raised or lowered on the post 12 when the set screw is loosened.

A steam pan 20 having a perforated diaphragm 21 forming the front wall, provided with conventional packing material 22 all around the periphery of the front wall to retain the steam localized on the wallpaper to soften the paper in the usual manner so that it may be pulled off. The steam hose 15 is connected to a nipple 23 on the rear wall of the steam pan, a conventional hose clamp 24 clamping the hose to the nipple.

The steam pan is connected, through the medium of a hinge joint generally indicated at 25, with a rod 26 axially adjustable in a tubular socket 27 mounted in offset relation on a tubular carrier 28 slidably disposed on the sleeve 13.

The tubular carrier 28 is split on one side and is provided with spaced flanges 29 adjacent to the split. A dog is disposed between the flanges and is mounted on a pivot pin 31 which is engaged through openings 32 in the flanges. A helical spring 33 is sleeved on the pivot pin and is connected at one end to the dog and at the other end to a pin 34 which is engaged through openings 35 in the flanges 19. The spring yieldably holds the dog in engagement with selected notches 17 to adjust the height of the steam pan as required, while the work progresses. The steam pan may also be used to operate on ceilings and for this purpose the hinge connection 25 is disconnected from an elbow 36 disposed at the upper

end of the rod 26 and is inserted in the upper end of a tube 37 which is slidably mounted on the upper end of the sleeve 13 through the medium of an adjusting bolt 38 engaged through a longitudinal slot 39 in the tube. A helical spring 40 is disposed within the tube and is supported on the upper end of the sleeve 13 to yieldably hold the tube spring pressed upwardly by engagement of the upper end of the spring with the universal joint 25, see Figure 2.

The pan supporting connection 25 is removably secured to the elbow 26 by a set screw 42.

The hinge connection comprises a pair of spaced parallel arms 43 which project rearwardly from the rear face of the steam pan 20. The arms are connected together at the outer ends by a shaft 44. The shaft is disposed within a three part clamp shown best in Figures 4, 5, 6 and 7 and which comprises arcuate members 45 which surround one half the cylindrical area of the shaft 44 and are provided with ears 46 through which a clamp bolt 47 is passed. The members are also provided with perforated ears 48, which align with similar perforated ears 49 on opposite ends of a semi-cylindrical member 50 which engages the other half cylindrical area of the shaft 44, see Figure 4. Bolts designated in general by the numeral 51 extend through the ears of all three members to clamp the members to the shaft 44. The member 50 is provided with a stem 51 which terminates in a ball 52 adapted to enter a two piece socket member 53 having a stem 54 adapted to interchangeably enter the elbow 36 or tube 37 and be confined in place by the set screws 41 or 42 as the case may be. The virtue of the above described universal joint connection is that the pan may be tilted in an angular direction to conform to the contour of various roof slopes or wall contours.

The aforesaid rod 26 is adjustably secured in the socket 27 by a set screw 55 to permit the steam pan being lowered, when the sleeve 13 is also lowered, so that areas near the floor of a room may be steamed to remove wall paper.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

1. In a wallpaper removing device of the type having an adjustable steam pan provided with a supporting rod, a supporting post having a sleeve thereon formed with a longitudinal rib having spaced notches, a tubular split carrier slidably mounted on the sleeve, and having spaced parallel flanges, a dog between the flanges, a pivot pin on which the dog is mounted, a spring for normally holding the dog in engagement with a selected notch on the rib of the sleeve to hold the sleeve in adjusted position thereon, said sleeve having a tubular socket member extending laterally therefrom to adjustably receive the supporting rod of the steam pan of the device, and means for holding the rod in adjusted position therein.

2. In a wallpaper removing device of the type having a steam pan, and a supporting rod connected for substantially universal adjustment with reference to the steam pan, a supporting post having an elongated sleeve thereon formed with a longitudinal rib having spaced notches, a tubular split carrier slidably mounted on the sleeve having spaced, parallel flanges at the split portion, a pin carried between the flanges, a pivoted dog between the flanges having an operating handle, a pivot pin carried by the flanges on which the dog is mounted, a spring about the pivot pin and having one end engaging the first pin and the other end engaging the dog to normally urge the dog into engagement with a selected one of the notches to hold the carrier in adjusted position on the sleeve, a tubular socket member on the sleeve opposite the dog to adjustably receive the rod of the steam pan, and means for holding the rod in adjusted position in the socket member.

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