

Feb. 7, 1950

D. A. HOCH

2,496,794

WALLPAPER REMOVING DEVICE.

Filed Nov. 27, 1946

2 Sheets-Sheet 1

Fig. 1.

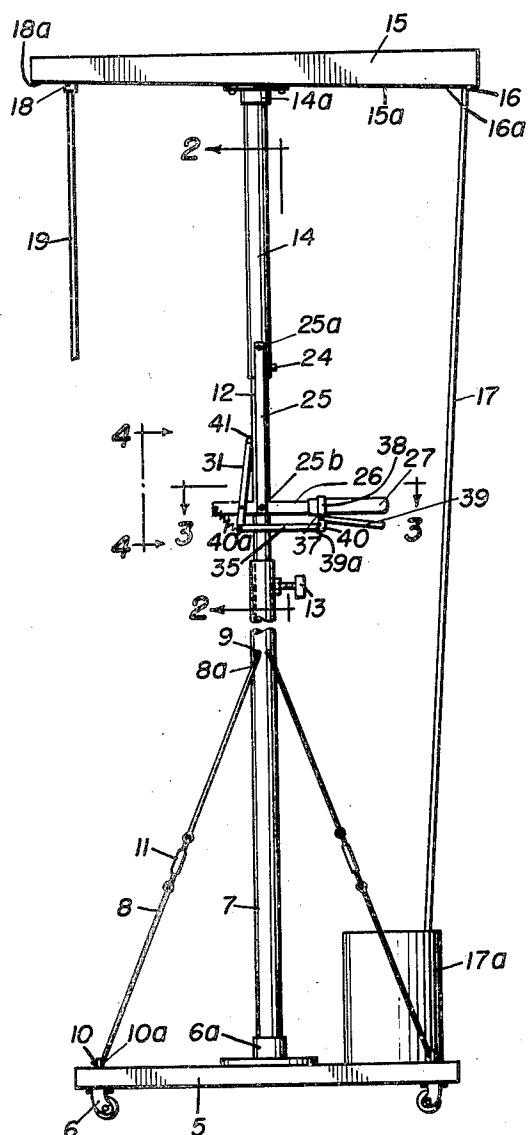
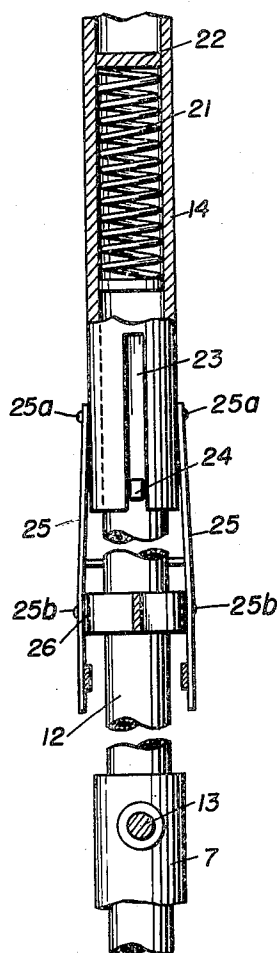


Fig. 2



Inventor

Donald A. Hoch

By

*Charles A. O'Brien
and Harvey B. Jacobson*
Attorneys

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Fig. 3.

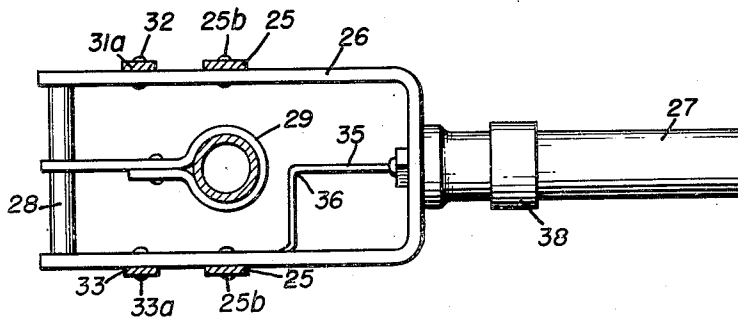


Fig. 4.

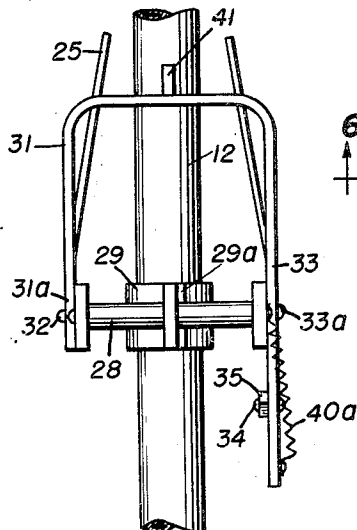


Fig. 5.

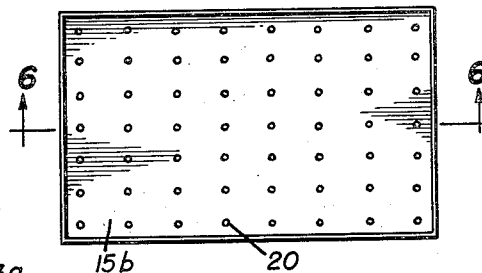
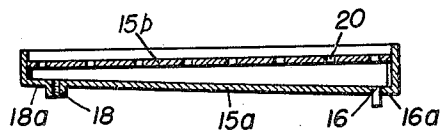


Fig. 6.



Inventor

Donald A. Hoch

By

Alvanice A. O'Brien
and Harvey B. Jacobson
Attorneys

UNITED STATES PATENT OFFICE

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WALLPAPER REMOVING DEVICE

Donald A. Hoch, Lemoyne, Pa.

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2 Claims. (Cl. 248—161)

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This invention relates to new and useful improvements in devices for removing wallpaper and the like from walls, ceilings and other surfaces, and more particularly to a device in which steam is applied to the paper.

The primary feature of this invention is to provide a steaming pan supported on a portable standard, said pan being adjustable to a ceiling as the standard is raised or lowered.

Another feature of this invention is to provide a device of this character having an outlet means for the steaming pan whereby the steam condensing in said pan is drained into a bucket or the like, thereby eliminating the hazard to the operator of being injured by hot water from the pan.

A further feature of this invention is to provide a device of this character that is strong and durable in construction, neat and attractive in appearance, efficient and reliable in operation, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like reference numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view of the invention,

Figure 2 is an enlarged fragmentary sectional view taken on line 2—2 of Figure 1.

Figure 3 is an enlarged sectional view taken on line 3—3 of Figure 1,

Figure 4 is an enlarged sectional view taken on line 4—4 of Figure 1,

Figure 5 is a top plan view of the steaming pan, and

Figure 6 is a sectional view taken on line 6—6 of Figure 5.

Referring now to the drawing in detail, wherein, for the purpose of illustration, I have disclosed a preferred embodiment of the invention, the numeral 5 represents the base, preferably of wood, having removable casters 6 at the lower corners thereof.

Centrally located on the upper face of base 5 and suitably secured to said base is a flanged socket 6a which is adapted to receive the lower end of a vertical hollow standard 7.

The upper hook ends 8a of a plurality of guy wires 8 are adapted to engage openings 9 in the upper end of standard 7. The lower ends of said wires 8 are also provided with hooks 10 which are adapted to engage eyes 10a extending upwardly from the corners of base 5.

The said wires 8 are provided with conventional turnbuckles 11 which are adjustable to tighten said wires, thereby supporting standard 7 to base 5.

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The lower end of a vertically adjustable, intermediate standard section 12 is telescoped to fit in standard 7 for vertical adjustment in said standard 7 by a set-screw 13 conventionally carried by the upper end of standard 7.

The upper end of the intermediate section 12 is slidable vertically in a pan supporting hollow standard 14 which is essentially the upper end of standard 7.

The upper end of standard 14 is adapted to fit into a flanged socket 14a extending downwardly from the lower inclined bottom 15a of a steaming pan 15, said socket 14a being suitably secured to the pan 15.

A drain opening 16 is provided in the lower end 16a of the bottom of pan 15, said opening adapted to receive the upper end of a downwardly extending flexible tubing 17, the lower end of said tubing being placed in a bucket or the like 17a.

An inlet boss 18 extends downwardly from the upper end 18a of the inclined bottom of pan 15, said boss adapted to receive the upper end of a tubing 19, the lower end of said tubing being suitably secured to a steam supply pipe (not shown).

Steam entering pan 15 is forced by pressure out of the perforations 20 in the upper horizontal face 15b of said pan, and any condensation in said pan is drained to outlet opening 16 in the bottom of pan 15 and hence through tubing 17 to the bucket 17a.

Within the pan supporting standard 14 is a coil spring 21, the upper end of said spring resting against a plate 22 suitably secured in said standard 14, and the lower end of said spring bears against the upper end of the intermediate section 12, thereby holding standard 14 and pan 15 in a normally elevated position.

A vertical slot 23 is provided in the lower end of the pan supporting standard 14, said slot slidably receiving an outwardly extending lug 24 at the upper end of the intermediate section 12 to prevent rotation of standard 14.

The upper ends of a pair of downwardly extending metal arms 25 are suitably secured on opposite sides of the lower end of standard 14 at 25a.

The lower ends of said arms 25 are secured by rivets or the like 25b to the sides of a substantially U-shaped yoke 26 extending outwardly from one end of a conventional handle 27.

Extending between the outer ends of yoke 26 is a cross-bar 28 and extending inwardly from the center of said bar 28 is a split collar 29 which is adapted to slidably encircle the intermediate section.

The shorter arm 31a of a substantially U-shaped inverted catch 31 is pivotally connected by a rivet or the like 33a to the opposite side of yoke 26, said arm 33 extending downwardly from yoke 26 and is also pivotally connected by a rivet

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or the like 34 to the outer end of a lever connecting rod 35.

Said lever connecting rod 35 is offset inwardly at 36 so that the opposite end of rod 35 extends longitudinally under the handle 27.

A bellcrank lever arm 39 is pivotally connected at 39a to said lower end 37 of ring 38, and the free end of connecting rod 35 is pivotally connected at 40 to said lever arm 39.

In order to lower the pan supporting standard 14, the handle 27 is gripped and pulled downwardly causing the pan supporting standard and pan 15 to also be pulled downwardly, the catch 31 sliding downwardly under a dog 41 carried by the section 12 to lock the pan in its lower position by a coil spring 40a connecting the lower end 33 of the catch with the yoke 26.

The pan supporting standard 14 and steaming pan thus being held in a lowered position, the entire device may then be moved to a desired position. Then the lever arm 39 is gripped, disengaging the upper end of catch 31 from dog 41 and the supporting standard and steaming pan is projected upwardly due to the tension in spring 22.

In view of the foregoing description taken in conjunction with the accompanying drawings, it is believed that a clear understanding of the construction, operation and advantages of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though I have herein shown and described a preferred embodiment of my invention that the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and within the scope of the appended claims.

What I claim is:

1. A pan support for wallpaper removing devices comprising a lower standard, a movable base supporting said lower standard, an upper standard supporting a steaming pan, an intermediate section workable in said lower standard

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and upper standard, a spring within the upper standard, the lower end of said spring bearing against the upper end of the intermediate section, said spring adapted to hold the upper standard in a raised position, a handle for lowering the upper standard, and a catch carried by the handle and engaged under a part of the intermediate section for securing the pan in a lowered position.

2. A pan support for wallpaper removing devices comprising a lower standard, a movable base supporting said lower standard, an upper standard supporting a steaming pan, an intermediate section workable in said lower standard and upper standard, a spring within the upper standard, the lower end of said spring bearing against the upper end of the intermediate section, said spring adapted to hold the upper standard in a raised position, a yoke slidably carried by the intermediate section, an arm connecting the yoke to the upper standard, a handle on the yoke for lowering the upper standard and pan, a substantially inverted U-shaped catch pivotally carried by the yoke, a lug projecting laterally from the upper standard engageable by the catch to secure the upper standard in a lowered position, and releasing means for the catch carried by the handle.

DONALD A. HOCH.

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