May 5, 1953 R. H. HESSON 2,637,272

IMPLEMENT FOR DECORATING WALLS AND OTHER SURFACES

Filed April 26, 1951

Fig. 1.

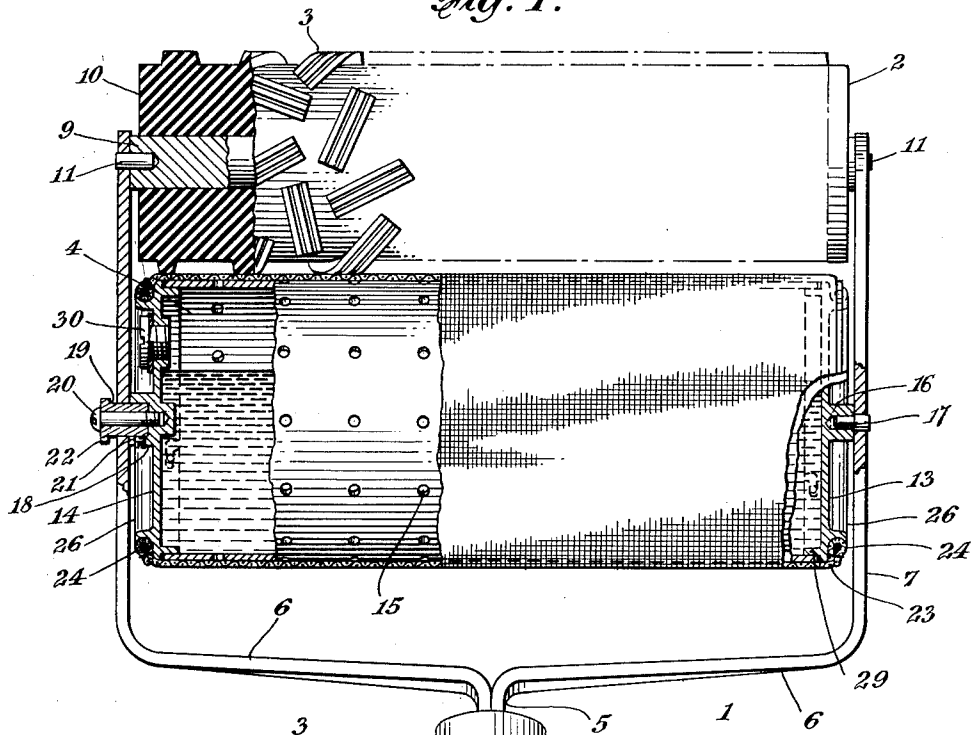


Fig. 2.

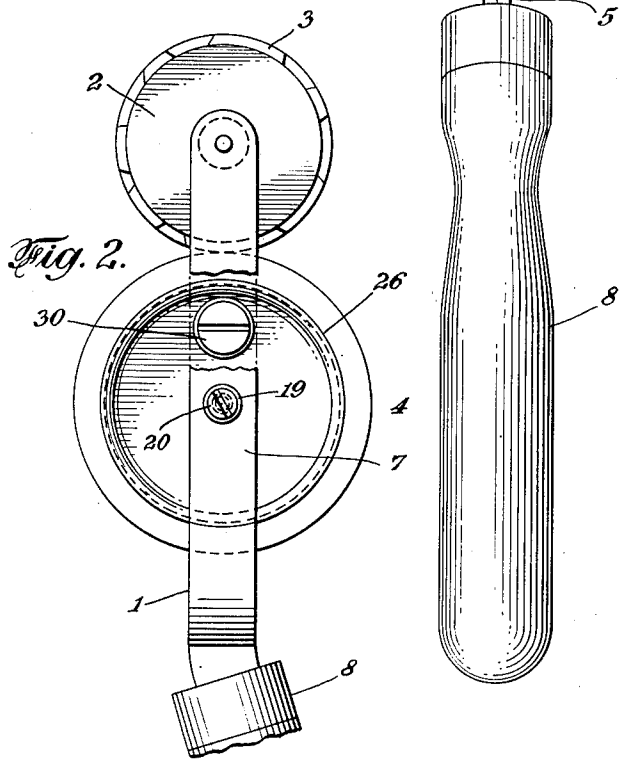


Fig. 3.

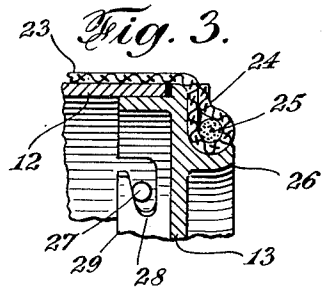
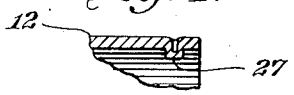


Fig. 4.



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IMPLEMENT FOR DECORATING WALLS AND OTHER SURFACES

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1 Claim. (Cl. 101—331)

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My invention is an improved implement for producing various designs in color upon walls and other surfaces to be given a decorative finish.

The chief object of the invention is to provide a handy and easily operated appliance or device comprising a printing or die roll having patterns or projections of any selected shape or outline in relief on its outer surface and a supply roll containing pigment or other coloring material to be spread upon the printing roll, so that the desired results on a surface to be finished can be readily obtained. The implement is made of but few parts, simple in construction and capable of being readily assembled for use or disconnected when cleaning, adjustment or repair is necessary; and well adapted, even when manipulated by non-skilled or inexpert persons, to be quick and certain in yielding the required effects.

The nature and advantages are fully set out herein and the accompanying drawings illustrate a preferred form of my improvement. But I do not wish to be restricted to the exact disclosure, as I may vary the details of construction in many ways without deviating from the characteristics which the claim recites.

On the drawings:

Figure 1 is a top view, partly in section, of a complete implement according to my invention.

Figure 2 is a side view thereof; and

Figures 3 and 4 are sections showing details.

The appliance includes a yoke-shaped holder or framework 1 with a printing or painting roll 2 mounted in transverse position at the outer ends thereof. On the outside lateral surface of this roll are projections or designs 3 in relief, having any appearance to satisfy individual taste or preference; and the roll 2 can of course be removed and replaced by a different roll whenever necessary. The framework also mounts a magazine or feed roll 4 supported crosswise by the framework in position to supply the designs 3 on the roll 2 with a coating of paint or the like coloring material to be transferred to the surface under treatment. As the device is moved over the latter the whole pattern of the design 3 is reproduced thereon.

The holder or framework 1 consists of two flat strips of metal having portions 5 that are in contact with each other flatwise, and then bent to make oppositely extending portions 6 and bent again to form arms or sections 7 that extend in the same direction as the portions 5, but are separated from each other. The sections 5 are made fast to each other by insertion at their ends into a handle 8 and the sections or arms 7 are far

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enough apart so that the rolls 2 and 4 can be disposed between them in transverse positions.

The printing or die roll 2 contains a hard central core 9 upon which is a thick covering of soft cushioning material 10 such as rubber. This covering bears the designs 3, formed by molding. The core 9 has studs or trunnions 11 in its opposite ends, and these are rotatably received in bearing openings in the ends of the arms 7, so that the roll 2 can turn freely therein.

The magazine roll 4 has a hollow cylindrical body 12 with closures 13 and 14 at its ends. The roll 4 is filled with the material which puts the color on the designs 3 and has apertures 15 through which the pigment is delivered to the roll 2. The closure 13 has a central boss 16 with an opening into which is inserted a trunnion 17 that is received in a bearing opening in one arm 7 of the yoke, the openings above-mentioned for the trunnions 11 being similar. The other closure 14 has a central boss 18 with a round hole in the middle to receive a plug or trunnion 19. This plug has a threaded bore for a binding screw 20, the inner end of which also engages screw threads in the boss 18 adjacent the inner end of the hole for the plug 19. A binding screw 21 in the side of the boss also engages the plug 19. When the screws 20 and 21 are turned in, the trunnion 19 is held fast, and when the screws 20 and 21 are loosened, the screw 21 can be employed as a handle to pull the plug 19 out or replace it in the boss 18. Neither screw has to be taken out to permit removal of the plug 19. This plug can have a flange 22 on its outer end to abut the outer face of the adjacent arm 7, if desired.

To replace or dismount the roll 2 the arms or sections 7 can be pulled sufficiently apart to disengage the trunnions 11. To facilitate such manipulation, the parts 7 are made flexible or resilient. To dismount the roll 4, the screws 20 and 21 are turned back to release the plug 19. Then the roll 4 can readily be extracted from the holder 1.

The roll 4 is enveloped by an absorbent jacket or sleeve 23 of felt or the like. The edges at the ends of this sleeve are hemmed as indicated at 24 and inside each hem is an elastic member or loop of cord 25 which tends to pull the edges towards the axis of the roll 4. Each closure has a retaining rib 26 with a concave outer face to receive the hemmed edges 24. Hence the sleeve is retained securely on the roll 4.

The ends of the body 4 have punched projections 27 inside to slip into the open ends of L-shaped or "bayonet" slots 28 on the flanges 29 of the closures inserted into the body 4. These

are so arranged that the rotation of the roll 4 when making its working stroke, keeps the projections 27 in firm engagement with these slots. The liquid pigment is poured in through a port in one closure, which is shut by a removable screw plug 30. The roll 4 is kept out of contact with the surface and the paint exudes through the openings 15 and the sleeve 23 is always impregnated and keeps the roll 2 coated with the pigment. The handle 8 is slightly offset to one side of the plane of the arms 7 of the yoke. See Figure 2. Only the paint on the roll 2 is thus transferred to the wall or the like, and the designs 3 are perfectly reproduced.

The implement is thus seen to be well calculated to serve all the purposes and gain all the objects of the invention. The implement, of course, is for the decoration of flat surfaces, and any kind of colors or paint except oils can be used.

Having described my invention, what I believe to be new is:

A decorating implement comprising a yoke-shaped frame having substantially parallel arms at one end and a handle at the other, a die roll in transverse position at the outer ends of said arms, said roll bearing designs to be transferred to a surface, and a hollow feed roll carried by the arms of the yoke in contact with the die roll, said rolls both having trunnions embedded in the extremities of the cores thereof, said feed roll having a perforated cylindrical body with closures at the ends and having a sleeve enveloping it, said sleeve having hemmed edges with an elongated member encased by said edges and means

on the closures within the periphery thereof encircled by said members to secure said sleeve on said body, said closures having flanges inserted into the ends of the body with L-shaped slots in the flanges, each slot having an open end at the edge of the flanges, the body having in-punched projections to enter said slots and hold the closures on the body, one of said closures having a central boss with a hole therein to receive a plug to serve as one of the trunnions, said plug having a threaded longitudinal bore and the bottom of the hole having threads in line with the bore, a screw engaging said bore and said threads in the boss to unite the plug to the boss and a binding screw carried in the side of the boss engaging said plug.

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