March 24, 1936. F. J. HINTON 2,035,127

WALL DECORATING DEVICE

Filed Sept. 8, 1932

Fig. 1.

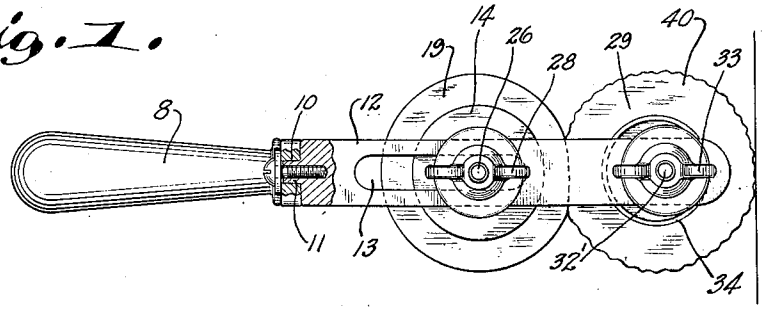


Fig. 2.

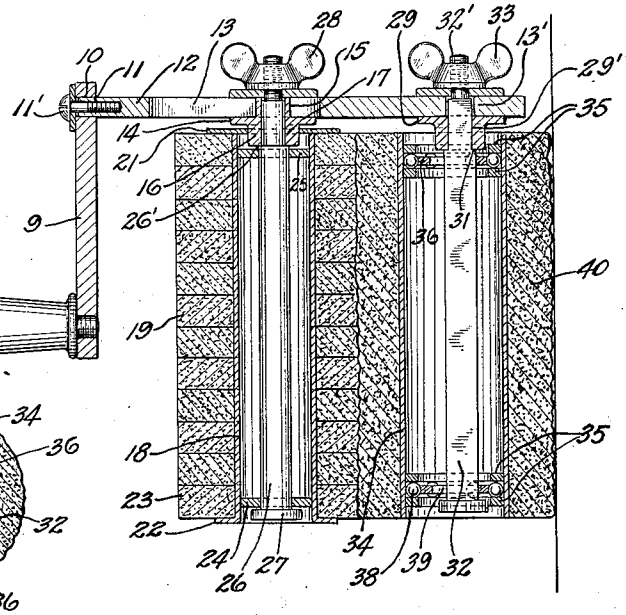


Fig. 4.

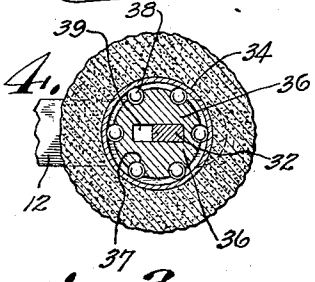


Fig. 3.

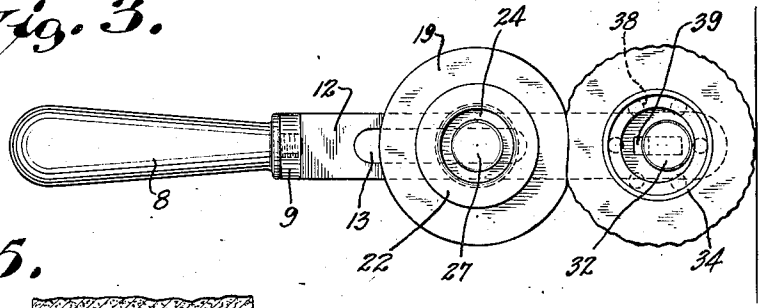
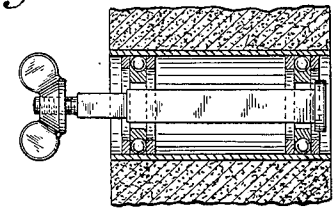


Fig. 5.



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WALL DECORATING DEVICE

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5 Claims. (Cl. 101—329)

This invention relates to improvements in wall decorating devices.

At the present time, it is common practice in applying a tiffany finish to walls, to first give the wall a coating of paint of the desired color, and then, before the paint has dried, to remove portions thereof by the use of crumpled newspaper. This procedure produces a very attractive haphazard effect on the wall, but it is objectionable in view of the fact that the process consumes considerable time and is wasteful of paint.

It is one of the objects of the present invention to provide a wall decorating device which greatly facilitates the application of a tiffany finish or the like, and which results in great economy due to the fact that no paint has to be removed from the wall and wasted.

A further object of the invention is to provide a wall decorating device consisting of a paint supplying roller and an impression roller, the said device embodying novel features which render it well adapted for the purpose described.

A further object of the invention is to provide a wall decorating device wherein the impression roller is so mounted as to be urged into proper contact with the paint supplying roller whenever pressure is exerted upon the impression roller.

A further object of the invention is to provide a wall decorating device wherein means is provided for readily adjusting the relative positions of the two rollers.

A further object of the invention is to provide a wall decorating device constructed to permit quick removal of the rollers for cleaning or replacement purposes, or for the purpose of interchanging rollers of different sizes.

A further object of the invention is to provide a wall decorating device which is so constructed that a firm support is furnished for the rollers by a single supporting arm to enable the non-supported ends of the rollers to engage corners during use of the device, and to simplify the construction.

A further object of the invention is to provide a wall decorating device wherein the impression roller is so mounted as to provide for transverse movement with respect to its axis toward the paint supplying roller.

A further object of the invention is to provide a wall decorating device in which the impression roller is formed by a novel composition of ingredients to render the same more effective and durable.

A further object of the invention is to provide a wall decorating device which is simple in construction, inexpensive to manufacture, compact, and well adapted for the purpose described.

With the above and other objects in view, the invention consists of the improved wall decorating device and all its parts and combinations as set forth in the claims, and all equivalents thereof.

In the accompanying drawing illustrating one complete embodiment of the preferred form of the invention, in which the same reference numerals designate the same parts in all of the views:

Fig. 1 is a side view of the device;

Fig. 2 is a horizontal sectional view thereof;

Fig. 3 is a view showing the opposite side of the device from that shown in Fig. 1;

Fig. 4 is a transverse sectional view taken through the impression roller; and

Fig. 5 is a longitudinal sectional view through an impression roller unit illustrating a roller of shorter length.

Referring to the drawing, a handle **8** is threaded into or otherwise secured to one end of a connecting arm **9** which extends at right angles to said handle. The other end of the arm **9** is formed with a squared aperture **10** for the reception of a similarly shaped projection **11** on one end of a supporting arm **12**. A bolt **11'** extending into the projection **11** holds the parts in assembled relation.

The supporting arm is formed with an elongated slot **13** and with an opening **13'** which is spaced forwardly of the slot.

A disc-shaped end piece **14** has an outward central projection **15** extending into the slot **13** and an inner central hub portion **16** which is circular in form. A bore **17** extends through the center of the member **14**. A cylindrical sleeve **18** is adapted to have one end surrounding the hub **16**, and the said sleeve serves as the core of a paint supplying member **19** which is mounted thereon.

The said paint supplying member consists of a series of felt discs **23** which are positioned on the cylinder **18**, the discs being retained in position by a flange **22** at the outer end of the cylinder and by a loose washer **21** at the inner end surrounding the hub **16** of the end piece **14**. Other suitable material may, of course, be substituted for the felt discs.

The cylinder **18** has its interior fitted with discs **24** and **25** which are positioned near opposite ends of the cylinder and which are secured in position on the interior periphery thereof. The said discs are each provided with central circular

apertures which are in alinement with each other. A bolt 26 is provided on one end with a head 27 which fits adjacent the disc 24. Near the other end of the bolt an offset 26' is formed which engages the inner end of the hub portion 16, the portion of the bolt adjacent the offset being of decreased diameter and extending through the bore 17 of the member 14. A wing nut 28 is adapted to be threaded on the projecting end of the bolt to clamp the latter rigidly in position, at the same time permitting the paint supplying roll to rotate freely on the bolt.

An end disc 29, which is constructed in an identical manner to the end disc 14, except that its bore 29' is rectangular in cross section, has its outer portion extending into the opening 13' of the supporting arm 12. A bolt 32, which is rectangular in cross section except for its threaded outer end portion 32', is secured in position by means of a wing nut 33 in the same manner in which the bolt 26 is held, the bolt 32 being also provided with the shoulder 31 which engages the inner end of the end piece 29.

A cylinder 34 is interiorly fitted near each end with spaced rings 35, the said rings being rigidly secured to the inner periphery of the cylinder. Between each pair of rings there is positioned a disc 36 which has its peripheral portion formed with a plurality of recesses 37 for receiving ball bearing members 38. Each of the discs 36 is further formed with a slot 39 through which the bolt 32 extends. It may thus be seen that due to the engagement of the bolt 32 with the slots 39, that the discs 36 will be held free from rotation, but that the cylinder 34 will be free to rotate on the ball bearings 38.

The cylinder 34 serves as the core of the impression member, and said impression member consists of a cylindrical mass of material 40 which is secured in position on the cylinder. The said material 40 preferably consists of a hardened mixture of glue, glycerin and shredded cork, and its surface is formed with irregular depressions therein for the purpose of transferring paint to a wall in such a manner as to produce a desired design thereon, such as the tiffany effect before described. The particular composition of the impression roller is important, as the threaded cork contained therein forms an anti-friction surface which adds lightness to the roller, increases its durability, decreases the expense of manufacture, and is a good absorber of paint.

When the device is to be used, the paint supplying roller 19 is saturated with paint of a desired color, and the device is then grasped by the handle 8 and placed in a position with the impression roller against the wall to be finished. Due to the fact that the bolt 32 is so mounted that the longest dimension in its cross section extends horizontally or in a line toward the paint supplying roller, when pressure is exerted against the wall, the impression roller will be urged and guided into contact with the paint supplying roller, as indicated in Fig. 3, due to the relative movement permitted in the slot 39 of the discs 36. By having a bolt mounted in the position shown, the movement of the impression roller will always be in the desired direction, that is, in a direction toward the paint supplying roller. The device can then be rolled back and forth on the wall, to apply paint thereto in a desired design.

The normal position of the rollers with respect to one another can be readily varied by loosening the wing nut 28 to move the paint supplying unit one way or the other in the slot 13. Furthermore, by removing the bolts 26 and 32, the two rollers can be quickly detached from the support for cleaning or replacement purposes. In addition, the outfit may be furnished with a plurality of interchangeable impression rollers, each carrying a different design, and it may also be furnished with rollers of different length, that is, shorter roller units as indicated in Fig. 5, which may be substituted, when desired, for both the impression roller and the paint supplying roller.

Due to the single supporting arm structure, it may be seen that the device, as shown in Fig. 2, supports one end of the impression roller so that it may be applied directly in a corner. If two supporting arms were used, one of the arms would interfere with access of the end of the impression roller into corners.

It may further be seen that the construction is such that notwithstanding the single supporting arm, that there is a rigid support for the rollers, which at the same time permits freedom of rotation during use.

Although only one form of the invention has been shown and described, it is obvious that various changes and modifications may be made without departing from the spirit of the invention, and that all of such changes are contemplated as may come within the scope of the claims. What I claim is:

1. A paint applying device comprising a single supporting arm, a pair of roller supporting members, means for rigidly securing said roller supporting members in spaced apart position on and extending at an angle to said single supporting arm, a paint supplying roller rotatably carried by one of said supporting members, an impression roller rotatably carried by the other of said supporting members, and means between one roller supporting member and the impression roller providing for movement of said impression roller toward said paint supplying roller when pressure is exerted on the impression roller.

2. A paint applying device comprising a single supporting arm, a pair of roller supporting members, means for rigidly securing said roller supporting members in spaced apart position on and extending at an angle to said single supporting arm, a paint supplying roller rotatably carried by one of said supporting members, an impression roller rotatably carried by the other of said supporting members, and means providing for movement of said impression roller independently of the supporting member therefor toward said paint supplying roller when pressure is exerted on the impression roller.

3. A paint applying device comprising a supporting means, a paint supplying member mounted on said supporting means, an elongated bolt extending from said supporting means and rectangular in cross section, a pair of discs having slots through which said bolt loosely extends, an impression roller rotatable on said discs, said bolt and slotted discs being positioned to provide for guided movement of the impression roller toward the paint supplying member during use of the device, and means for maintaining said roller in position on said discs.

4. A paint applying device comprising a supporting means, a paint supplying member mounted on said supporting means, an elongated bolt extending from said supporting means and rectangular in cross section, a pair of discs having slots through which said bolt loosely extends, an impression roller rotatable on said discs, said bolt and slotted discs being positioned to provide

for guided movement of the impression roller toward the paint supplying member during use of the device, means for maintaining said roller in position on said discs, and anti-friction means between the peripheries of said discs and said roller.

5. A paint applying device comprising a supporting arm structure, a pair of roller supporting members, means for rigidly securing said roller supporting members in spaced-apart position on and extending at an angle to said supporting arm structure, a paint supplying roller rotatably carried by one of said roller supporting members, an impression roller rotatably carried by the other of said roller supporting members, and means between one roller supporting member and the impression roller providing for movement of said impression roller toward said paint supplying roller when pressure is exerted on the impression roller.

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