DUAL PAINT ROLLER APPLICATOR

Inventor: Walter Dahlund, Kenmare, N. Dak. 58746

Filed: Dec. 9, 1969

Appl. No.: 883,453

U.S. Cl. 15/230.11
Int. Cl. A46b 7/10, B05c 1/08
Field of Search 15/230.11, 106, 230, 27, 29/110.5

References Cited

UNITED STATES PATENTS
2,693,893 11/1954 Rice et al. 15/27 X
3,130,435 4/1964 Smith 15/230.11

FOREIGN PATENTS OR APPLICATIONS
80,213 5/1952 Norway 15/230.11

Primary Examiner—Leon G. Machlin
Attorney—Robert E. Kleve

ABSTRACT

The invention comprises a dual paint roller applicator having a pair of rollers mounted to a bracket at angles to one another and at angles to their intended lines of travel in applying paint to a surface to create a bristling action as well as a rolling action. A handle is provided pivotally mounted to the bracket for operating the applicator.

1 Claim, 3 Drawing Figures
DUAL PAINT ROLLER APPLICATOR

This invention relates to paint applicators, more particularly, the invention relates to paint roller devices.

It is an object of the invention to provide a novel dual roller paint applicator having a pair of rollers mounted at off set angles to one another and to their line of travel in applying paint so as to cause a brushing action as well as a rolling action in applying the paint, with a central action device for operating the applicator.

It is another object of the invention to provide a novel dual roller paint applicator having a pair of rollers mounted at angles to their line of travel in applying paint.

Further objects and advantages of the invention will become apparent as the description proceeds and when taken in conjunction with the accompanying drawings wherein:

FIG. 1 is a top plan view of the dual paint roller invention.

FIG. 2 is a side elevational view of the dual paint roller invention.

FIG. 3 is a cross-sectional view taken along line 3–3 of FIG. 1.

Briefly stated, the invention comprises a dual paint roller applicator having a pair of rollers rotatably mounted to a bracket at angles to one another and to their intended line of travel in applying paint to a surface, a handle is pivotally mounted to the bracket with the handle having its longitudinal axis lying parallel to the intended line of travel in applying the paint.

Referring more particularly to the drawing, in FIG. 1 the dual paint roller applicator 20 is illustrated as having a center bracket 21 with a pair of rollers 22 and 23 rotatably mounted to the bracket 21 at angles to one another, and at angles to their intended line of travel when applying paint, as indicated by the arrows 24 and 25. A handle 26 is pivotally mounted to the bracket 21 for operating the applicator invention 20.

The handle 26 has a wooden grip portion 27 with a steel rod 28 extending out of the forward end 27 of the grip member 27. The rod 28 has a curved portion 29, so as to be able to clear the roller 22, when applying paint, and the forward end of the rod 28 terminates in a laterally extending straight cylindrical shaft portion 31. The bracket 21 has a cylindrical sleeve member 32 and the shaft portion 31 is rotatably mounted in the sleeve 32 to rotatably connect the handle 26 to the bracket 21.

The bracket 21 has a pair of elongated arms 33 and 34 extending outwardly from opposite sides of the sleeve member 32 and fixed thereto. Each arm 33 and 34 has an enlarged socket member 35 and 36, respectively, at its outer end, with the interior of each socket being threaded to threadably receive the threaded ends 37 and 38 of bolts 37 and 38.

The paint rollers 22 and 23 are each of a conventional construction having a fibrous cylinder or sleeve member 39 with metal end caps 40 and 41 fitted into the ends of the sleeve member 39. The end caps 40 and 41 each have a center bore for their respective bolts 37 and 38 to pass through with the enlarged heads 43 of the bolts 37 and 38 holding their respective rollers 22 and 23 onto the bolts at one end and the sockets 35 and 36, respectively, holding the rollers 22 and 23 onto the bolts at the other end, while permitting the rollers 22 and 23 to rotate on the bolts 37 and 38.

The fibrous sleeve member 39 of the rollers 22 and 23 are for absorbing and applying paint onto a surface.

OPERATION

The dual paint roller applicator 20 operates as follows:

The rollers 22 and 23 will be dipped into wet paint and its fibrous surface of their sleeves 39 will absorb the wet paint.

The dual paint roller applicator will then be placed upon the surface 44 to be painted in the manner illustrated in FIGS. 1 and 2 with the lower edges 45 of the sleeves 39 flush with the surface 44 and the roller applicator will then be moved forward and backward in the direction of either arrows 24 and 25, by the operator gripping and moving the handle endwise in either direction.

When the applicator 20 is moved forward in the direction of arrow 24, the rollers 22 and 23, being inclined to the line of travel with the brush as well as roller as the applicator moves with the rollers 22 and 23, tends to spread the paint apart.

When the applicator is moved backward, in the direction of arrow 25, the rollers 22 and 23, being inclined to the line of travel, will then bring the paint together, the rollers forming an acute angle to the entire line of travel. The rollers 22 and 23 will also when moving backwards brush the paint as well as roll the paint onto the surface.

The brushing action of the roller by the rollers not having their axes perpendicular to the line of travel, results in a better penetration of the paint into the surface particularly on rough or pitted surfaces.

Therefore it will be seen that a novel dual roller application has been provided which creates a brushing as well as a rolling action in applying paint for better penetration of the paint into the surface being painted.

The overlapping of the rollers 22 and 23 to their line of travel also tends to eliminate a ridge of paint in the center of the device as it moves alone.

It will be obvious that various changes and departures may be made to the invention without departing from the spirit thereof and accordingly, it is not intended that the invention be limited to that specifically described in the specification or illustrated in the drawing but only as set forth in the appended claims wherein:

1. A dual paint roller device adapted to travel forward and rearward to apply paint to a surface comprising a pair of paint applicator rollers, said rollers being spaced from one another with one of the rollers being positioned with its inner end overlapping in front of the inner end of the other roller, said rollers extending outward in length at a rearward inclined angle in opposite directions to one another, a bracket disposed between the inner ends of the rollers with said rollers being rotatably mounted to said bracket, a handle having its one end rotatably mounted to said bracket to rotate about a horizontal axis extending laterally of the line of travel of the device, said rollers overlapping each other sufficiently whereby when the device is moved forward along its line of travel to apply paint any ridge of paint left along the inner end of the front roller will tend to be smoothed out by the inner end of the rearward roller following in the path thereof.

* * * * *