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METHOD OF ATTACHING DECORATIVE PANELS TO WALL SURFACES

Samuel D. Bosco, Wood River, Ill.

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2 Claims. (Cl. 154—141)

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This invention relates in general to the method of attaching decorative panels to wall surfaces.

The primary object of this invention is to provide a method of attaching decorative panels in most secure and permanent manner to surfaces of either interior or exterior walls.

A further object of this invention is to provide a method of attaching decorative panels to wall surfaces which is economically performed and requires no preliminary treatment of the wall surface.

In present day operations, it is necessary to treat wall surfaces on which decorative panels are to be mounted in some preparatory fashion, whether it be to clean, smooth, or remove a superficial finish. In utilizing the method herein disclosed, the necessity of such preliminary steps is obviated. The surface, regardless of its condition as to cleanliness or finish, is sized with a solution of equal parts by weight of Epsom salts ($MgSO_4$—$7H_2O$) and water. After allowing the Epsom salts solution to dry, a coating consisting of equal parts by weight of casein glue and water, is applied and permitted to dry. A second and final coating consisting of two parts by weight of casein glue and one part by weight of water is then applied to the wall and a coating of the same material is similarly applied to the rear or wall-abutting face of the decorative panel. While this last coating is still moist, the decorative panel is pressed in place on the wall.

Pressure is exerted to maintain the panel against the wall until the moist adhesive has set, either by manually applied force or by propping a batter or jack thereagainst. When the adhesive has set, the externally applied pressure may be removed and the panel left to dry in place, whereupon the panel will be found to be attached to the wall in a permanent, lasting manner.

The present method is best employed in mounting decorative panels up to approximately forty square feet in area and eighty pounds in weight. A pressure of about twenty-five pounds produced by automatic jacks, or other convenient means, exerted for about twelve hours, is adequate for maintaining panels of the above maximum size and weight in position for setting.

It is to be particularly noted that the nature of the wall surface mounting the panel is immaterial, in the present method, that is, it may be an exterior or interior wall, and composed of brick, stone, concrete, or tile. It should be understood that in the present context the word "wall" includes floors and ceilings, as the case may be.

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It should be understood that changes in the methods, compositions, percentages, and combinations above set forth may be made without departing from the nature and principle of my invention.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. The method of attaching decorative panels to walls composed of brick, stone, concrete, tile, consisting of applying to said walls a sizing of magnesium sulfate solution, when the sizing is dry applying an initial layer of casein glue solution, when such initial layer is dry applying a layer of casein glue solution of thicker consistency, said thicker casein glue solution being applied to said decorative panel, and maintaining said decorative panel against said wall under positive pressure until the glue has set.

2. The method of attaching decorative panels to walls composed of brick, stone, concrete, tile, consisting of applying to said walls a sizing of a solution comprised of equal parts by weight of magnesium sulfate and water, when the sizing is dry applying an initial layer of glue solution comprising equal parts by weight of water and casein glue, when such initial layer is dry applying a layer of casein glue solution of thicker consistency, said thicker casein glue solution being also applied to said decorative panel and maintaining said decorative panel against said wall under positive pressure until the glue has set.

SAMUEL D. BOSCO.

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