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TRANSFERS OF DISPLAY MATTER

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2 Claims. (Cl. 41—33)

This invention relates to transfers of display matter and has for its object to provide improvements therein.

It is known that oil paint i. e. a paint which when set is of a pliable and waterproof character, has been applied to transfer paper for the purpose of being thereafter removed by the transfer paper being moistened with water. It has also been known that adhesives have been applied to such oil paint for the purpose of securing them to surfaces requiring to be decorated by moistening the transfer paper bearing such paint matter.

The object of this invention is to produce transferred display matter wherein the character, signs, ornaments or the like stand out in clean-cut fashion by themselves, uncovered by any film or other outer layer, with the clear uncovered permanent surface showing therebetween and therearound.

In effect the display layer itself is actually stuck on the permanent surface by means of the adhesive on its back referred to as the outer layer in the construction of the transfer, and no other skins or deposits appear on the glass to spoil the clean solo effect of the displayed characters and the like. It is necessary that this adhesive shall hold or bind homogeneously with the substance forming the display layer, and when the latter has a base comprising an oil paint or printing ink containing linseed oil or other drier in conjunction with volatile thinners it is desirable to ensure such a binding homogeneity. To this end in accordance with the present invention we provide a transfer for display matter of the type described characterized by the display layer being coated with a substance adapted to facilitate the binding of the outer adhesive layer with the display layer.

The invention consists in applying a coating of oil-paint, of the type hereinafter described, upon a suitable temporary support, e. g. paper, the surface of the said oil paint being rendered capable of taking a suitable coating of water-soluble adhesive by applying to the surface of the said paint when the paint is in a semi-set or tacky condition an intermediate coating or layer of a kaolin (china clay) which has a homogeneous binding action upon the oil paint and the said adhesive, the water-soluble adhesive being disposed in a coating or layer on the said intermediate layer, so that by moistening with water or other suitable solvent the transfer can be attached to the glass or other surface. The said paper acts as a temporary support for the transfer, being subsequently saturated with water or other suitable solvent and removed leaving the

oil-painted design upon the glass or other surface. The surface of the paper may be prepared with a suitable water-soluble adhesive coating such, for example, as of starch, dextrin, gum or the like, or the paper may consist of the type known in the printing-trade as transfer paper.

The most suitable kind of oil paint for this purpose is one which when set shall be flexible and water-proof, which is done by the mixture of the usual varnishes for this purpose.

In one manner of manufacture in accordance with my invention I proceed as follows:

The oil paint is applied to the surface of the transfer paper by means of stencilling, preferably by the method of stencilling known as "screen-printing", wherein the paint is forced by pressure through the open-work woven fabric which holds the stencil in position.

After the design or pattern has been thus formed and while it is in a semi-set or tacky condition the surface of the paint is coated or dusted with finely powdered kaolin (china clay) which will combine with the surface of the paint and will also combine with the water-adhesive. The water adhesive is now applied to the kaolin coating to which it readily adheres, and when dry will hold firmly thereon.

In operation, the surface of the transfer is damped with water, pressed on to the glass or other surface, the transfer paper which offers a temporary support, on being saturated with water or other suitable solvent can be easily removed, leaving the oil-paint display on the surface transferred upon.

The water-adhesive should suitably be as transparent as possible.

It will be evident that the details of the invention may be varied in many ways without departing from the scope thereof.

I claim:

1. A method of manufacturing transfers of display matter which consists in applying a coat of oil-paint upon a suitable temporary hygroscopic support, applying to the surface of the said paint when the paint is in a semi-set or tacky condition, a layer of kaolin (china clay), then applying a layer of water-soluble adhesive on the said kaolin layer, and subsequently moistening the adhesive with water or other suitable solvent so that the transfer can be attached to glass or other surfaces.

2. A transfer for display matter comprising a paper support, a coating of oil paint on said support defining the selected characters, and a layer of water-soluble adhesive bonded to the oil-paint by an intermediate layer of kaolin.

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