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PROVISIONAL SPECIFICATION.

Improvements in the Treatment of Paper, Linen, and other Textile Fabrics applicable to the Manufacture of Show Bills, Show Cards, Posters, Tablets, Wall Decorations, and other purposes.

I FREDERICK GEORGE ANNISON of 218, Burdett Road Bow in the County of Middlesex Lithographic Printer do hereby declare the nature of this invention to be as follows :—

The object of this invention is to treat paper linen and other textile fabrics in such a way or ways to enable black or coloured designs or matter to be printed thereon so as to produce durable waterproof show bills and cards posters and tablets for advertising purposes instead of printing the matter on paper and then sticking it on canvas as commonly practised which is easily destroyed by wet or otherwise, fabrics so treated being also applicable for wall decorations and other purposes.

According to this invention I take strong linen or other suitable material of a fine texture and coat it over one or more times on one or both sides (preferably the latter) with an opaque or white solution of xylonite known also as celluloid and ivoryine or if the material is required to be used for transparencies I employ a transparent solution of xylonite and when dry I press it through hot rollers in order to make the surface very smooth and when desired I print direct the required design on the material in the usual way as practised for printing on paper and when the printed matter is quite dry I again press it through hot rollers so as to hot press or glaze it and this is also necessary whether printed on or not. I finally coat it with a transparent preparation of xylonite and then place it in a hot chamber to thoroughly harden it.

Should an opaque film form on the surface I apply a dressing of any suitable grease or oil (preferably sweet or olive oil) and after removing the superfluous grease or oil, I apply a very thin coating composed of a mixture of turpentine and copal or other suitable varnish also to prevent the film from reforming as this (the film) must be permanently removed or it would obliterate the matter printed on the surface.

The xylonite used as above being opaque white must be applied before printing or it would entirely obliterate the design.

In order to produce an embossed material applicable for posters or other purposes I add several extra coats of white xylonite solution on one or both sides (preferably the latter) of the material so as to form it into a thick substance. I then print the design thereon and apply the transparent xylonite and treat it as above described. I then place the thick printed substance in water heated to about 100° F. which softens the material it may then be embossed with a suitable die and when cool is ready for use.

On account of the xylonite solutions being of such a quick drying nature they cannot be applied to large surfaces with a sponge or brush as the surface would not be sufficiently even to print upon, it is therefore necessary to employ special machinery so as to lay on each successive coating perfectly even.

Dated this 13th day of November 1891.

BROWNE & Co.,
9, Warwick Court, Gray's Inn, W.C.

[*Price 8d.*]