

# UNITED STATES PATENT OFFICE.

SIEGFRIED WEINBERG, OF BERLIN, GERMANY, ASSIGNOR TO MARTIN ZEHDEN, OF  
NEW YORK, N. Y.

COMPOSITION OF MATTER ADAPTED FOR USE IN THE ART OF COLOR-STAMPING.

959,185.

Specification of Letters Patent.

Patented May 24, 1910.

No Drawing.

Application filed December 20, 1909. Serial No. 534,007.

*To all whom it may concern:*

Be it known that I, SIEGFRIED WEINBERG, a subject of the Emperor of Germany, residing in Berlin, Germany, have made a new and useful Invention in Compositions of Matter Adapted for Use in the Art of Color-Stamping, of which the following is a specification.

My invention relates to a novel composition of matter for use in the art of color stamping, and it has for its essential object, the providing of such a composition which will, when the color is stamped, impressed, or otherwise applied to the surfaces with which it is to be used, be practically indelible.

Prior to my invention various compositions of coloring matter have been utilized in stamping, impressing, and applying designs, letters, characters, etc., upon the surfaces of the covers of books and in analogous places, but none of them, so far as I am aware, are of such a nature that when thus stamped or impressed they will be practically indelible.

For the production of my composition of matter I intimately mix 25 kilograms of zinc white, 4 liters of glycerin, 6 grams of gum-arabic, 500 grams of shellac or gelatin and 400 grams of borax, with 27 liters of water; thoroughly stirring the same until the mixture reaches the desired consistency. This composition is then spread uniformly upon a flexible surface, preferably paper which has been properly sized and glazed, and then allowed to dry. It is now ready for use and may be applied in the well known way by laying the treated side of the paper upon the surface of the book or other article, and then forcing a heated die embodying the characters to be printed against the exposed side of the paper. This causes the proper coloring matter in the material,

in this instance the white, to be effectually and firmly seated, so that the characters of the die impress such matter upon the surface of the book in white letters, the same being absolutely indelibly impressed thereon.

It will be understood, of course, that if any color is to be substituted for zinc white, it will only be necessary to mix the correct proportion of coloring matter in place of the zinc white. Nor do I limit myself to the use of shellac as one of the elements of the hereinbefore described composition of matter, as obviously gelatin or any well known equivalent element may be substituted therefor. It will also be understood that I do not limit myself to the especial proportions hereinbefore stated, as obviously they may be departed from and still come within the scope of my claim hereinafter, the essence of my invention lying in the production of a composition of matter having, when prepared, the qualification of making the impressed characters indelible in connection with the surface to which they are applied.

Having thus described my invention what I claim and desire to secure by Letters Patent of the United States is—

A liquid composition of matter embracing the following ingredients when combined in substantially the proportions named:—25 kilograms of zinc white, 4 liters of glycerin, 6 grams of gum-arabic, 500 grams of shellac and 400 grams of borax, with 27 liters of water.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SIEGFRIED WEINBERG.

Witnesses:

WOLDEMAR HAUPT,  
HENRY HASPER.