

UNITED STATES PATENT OFFICE.

WILLIAM SCHWARTZ, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF, HUGO GUTTMANN, AND ERNEST C. ROST, OF SAME PLACE.

TRANSFER-PAPER AND COMPOSITION FOR COATING THE SAME.

SPECIFICATION forming part of Letters Patent No. 478,892, dated July 12, 1892.

Application filed October 8, 1891. Serial No. 408,127. (No specimens.)

To all whom it may concern:

Be it known that I, WILLIAM SCHWARTZ, a subject of the Emperor of Austria-Hungary, at present residing in New York, in the county and State of New York, have invented a new and useful Improvement in Transfer-Paper and Composition for Coating the Same, of which the following is a full, clear, and exact description.

My invention relates to an improvement in transfer-paper and in a composition for coating the same, and has for its object to provide a paper at a minimum of cost, through the medium of which a number of copies of a certain manuscript or design may be expeditiously and conveniently taken on single sheets or on the leaves of books, as may be desired.

The invention consists in the construction of the paper as an article of manufacture and in the composition with which the paper is coated.

The paper employed may be of any desired quality, and in fact any equivalent of paper may be substituted therefor.

The composition of the compound with which the paper or the transfer medium is to be coated is as follows: To ten pounds of glycerine one pound of glue (carpenters') is added, one pound of agar-agar, one pound of Russian glue, and one and one-half pounds of sirup, preferably made from grape-sugar.

In preparing this compound the glycerine is placed in a vessel surrounded with water, and the vessel is heated through the medium of the water, and when the glycerine is warm the carpenters' glue is added and the two parts thoroughly commingled. The Russian glue is then dissolved in cold water and added to the mixed glycerine and carpenters' glue. Next the agar-agar is dissolved in cold water and added to the hot mass in the pot, and finally the sirup is poured into the pot, and the entire mass is kept stirred while being further heated.

The composition while hot is applied to the

paper or to the substance designed to receive it in any suitable or approved manner, preferably through the medium of a proper machine.

The compound never thoroughly dries, but always retains absorbent qualities.

In the operation of reproducing with this paper the matter to be reproduced is written or drawn upon any non-absorbent substance in an aniline ink or the equivalent thereof. After the ink is dry the coated paper is placed in contact with it, and the prepared paper will thereupon receive upon its coated surface a counterpart of the copy.

A large number of impressions may be made by placing the prepared paper, inked side down, upon the material or substance designed to receive the subject-matter of the copy and pressing the prepared paper to a close and even contact with the surface upon which the impression is to be made. When the prepared paper is to be removed, it may be readily done by grasping one corner and drawing it quickly upward. A distinct and perfect impression of the copied design or matter will be visible.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. As an improved article of manufacture, a surface adapted to receive an impression and transfer the same, provided with a coating, the component parts of which are glycerine, carpenters' glue, agar-agar, Russian glue, and sirup, prepared and in the proportions stated, substantially as specified.

2. An absorbent coating for paper and like material, for the purpose specified, comprising glycerine, carpenters' glue, Russian glue, agar-agar, and sirup, in the proportions set forth.

WILLIAM SCHWARTZ.

Witnesses:

ALFRED LURCOTT,
ERNEST C. ROST.