

UNITED STATES PATENT OFFICE.

JAMES ROSS BROWN, OF NEW YORK, N. Y., ASSIGNOR OF FORTY-TWO AND ONE-HALF HUNDREDTHS TO CHARLES R. CAMPBELL AND FORTY-TWO AND ONE-HALF HUNDREDTHS TO PHILIP F. KOBBE, JR., OF NEW YORK, N. Y.

METHOD OF PRINTING IN COLORS.

941,670.

Specification of Letters Patent. Patented Nov. 30, 1909.

No Drawing.

Application filed April 22, 1908. Serial No. 428,519.

To all whom it may concern:

Be it known that I, JAMES ROSS BROWN, a citizen of the United States, residing in the borough of Brooklyn, in the city and State of New York, have invented certain new and useful Improvements in Methods of Printing in Colors, of which the following is a specification.

The object of my invention is to make a multi-colored print by two printings only.

To accomplish this result I take a sheet of the paper or other stock upon which the multi-colored print is to be made, and impress upon it at a single passage through the coloring press a plurality of colors upon its different portions. After this first step I have a parti-colored stock, not yet revealing anything of the final design, but having its surface colored in two or more colors occupying visually distinct areas thereof. These separately colored areas may be disposed in vertical or horizontal bands or in other geometrical figures at will. The parti-colored stock is then fed through an ordinary printing press provided with a reverse plate. The reverse plate is a printing plate provided with openings, after the fashion of a stencil, but used in a manner just the reverse, *i. e.*, the pigment is applied directly from the unbroken surface of the plate, and the design corresponds to the openings and is defined by the surrounding pigment applied from the printing surface of the plate. By this reverse plate a single color is printed

upon the parti-colored stock so as to completely cover the different colors first applied to the stock, excepting for the areas corresponding to those openings which are in the printing plate and which represent the design which is intended to be produced. The result of this second printing will be a finished print containing as many colors as have been originally placed on the parti-colored stock, besides the extra color used on the reverse plate. The entire development of the multi-colored design is thus accomplished by a single printing with a single color.

I claim:

The method of making multi-colored prints bearing definite predetermined designs, which consists in preparing a sheet of stock with pigments of different colors occupying visually distinct areas thereupon and then working a definite predetermined design upon the prepared stock by means of a reverse plate having openings, applying with the unbroken surface of said plate a single color to two or more of the separately colored areas of the stock, so that a design is produced upon said separately colored areas of the stock corresponding to the openings in the plate, and having a definite predetermined position on the sheet.

JAMES ROSS BROWN.

Witnesses:

PHILIP F. KOBBE, JR.,
CHARLES R. CAMPBELL.