

UNITED STATES PATENT OFFICE.

WILLIAM C. HUTCHINGS, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN PRINTING SHOW-CARDS.

Specification forming part of Letters Patent No. 128,148, dated June 18, 1872.

To all whom it may concern:

Be it known that I, WILLIAM C. HUTCHINGS, of Hartford, in the county of Hartford, Connecticut, have invented, made, and applied to use certain Improvements in Printing, applicable to the production of Show-Cards and other printed matter, and that the following is a full, clear, and correct description of the same.

The nature of the present invention consists in certain improvements, as more fully set forth, in the printing of show-cards and other printed matter; the object of the invention being to enhance the beauty and effect of the printing, and at the same time to render the article produced more durable than if printed in the ordinary manner.

To enable those skilled in the arts to make and use my invention, I will describe the same.

To carry out the invention I first print the ink color and then coat the same with a coat of varnish. When the varnish is sufficiently dry I print the sizing for the gilding, and then dust on or apply the bronze-powder in any convenient manner. By this mode of printing the ink color is separated from the gilding by the introduction of the coating of varnish, and the show-card or other matter produced is rendered more durable; and the varnish enhances the beauty and fineness of the same by intensifying the color of the card used and rendering the ink color glossy and distinct, while the application of the gilding after the varnish has been applied causes it to stand out brightly and boldly in relief; and by the employment of the process set forth effects are attainable which cannot be obtained in the ordinary mode of printing, and only such

as would be produced by painting and gilding on glass, or gilding on glass in combination with a printed card placed behind the glass. The effects produced may be varied by the employment of different-colored cards or paper, with colorless varnish, by using different colors of ink (either one color or more than one color) for that portion of the lettering or shading or design printed on the card before the varnishing process; by using bronze-powder colors in place of inks, as first set forth; by using varnish of different colors as the coating for the printed portion, and by using bronze-powders of different colors for that portion of the lettering or shading or design printed after the coating of varnish has been applied. Sometimes gelatine or other transparent substance may be applied instead of the varnish; but I prefer the varnish as being more easily applied, much cheaper, and equally effective, besides as not requiring to be mounted to counteract the tendency which a card finished with gelatine has to warp.

Having now set forth my invention, I claim, as a new and useful improvement in the printing of ornamental or show cards—

The combination of a printed or partly-printed card with a coating of varnish and gilding thereon in such a manner that the portion of the lettering or shading or design not in the printed card shall be supplied by the coating of varnish applied to the printed card, and the gilding subsequently printed thereon, substantially as and for the purposes set forth.

WM. C. HUTCHINGS.

In presence of—

GEO. F. MITCHELL,
EDWIN HUTCHINGS.