April 15, 1924.

1,490,414

G. W. BROGAN

PRINTING PLATE

Filed July 25, 1923

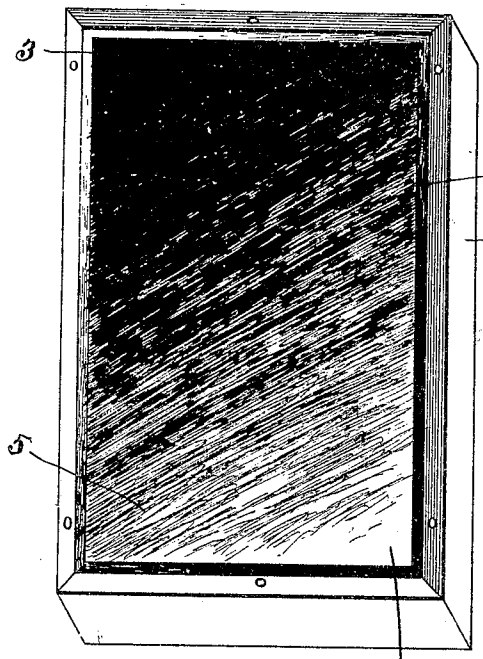


Fig. 1.

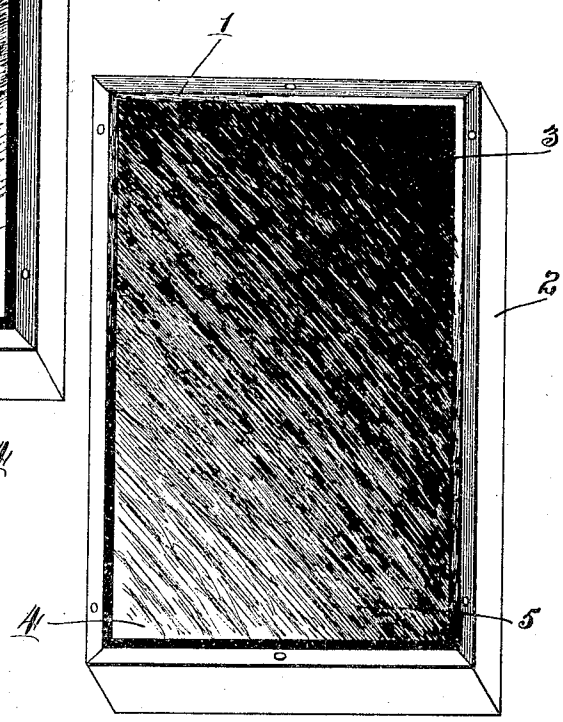


Fig. 2.

Inventor

Graham W. Brogan

By Edwin Hamula

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Patented Apr. 15, 1924. 1,490,414

UNITED STATES PATENT OFFICE.

GRAHAM W. BROGAN, OF BALTIMORE COUNTY, MARYLAND, ASSIGNOR TO THE BLACK & DECKER MANUFACTURING COMPANY, A CORPORATION OF MARYLAND.

PRINTING PLATE.

Application filed July 25, 1923. Serial No. 653,633.

To all whom it may concern:

Be it known that I, GRAHAM W. BROGAN, a citizen of the United States of America, residing in the county of Baltimore, State of Maryland, have invented certain new and useful Improvements in Printing Plates, of which the following is a specification.

In the production of advertising prints, it is found that an exceedingly attractive effect is obtained by placing the picture of the thing advertised and other illustrations incident to the advertising upon a background which is shaded, the variations in intensity of coloring or variations from light to dark of the background being produced by diagonal lines, bars or zones of different consecutive shades by which the intensity of coloring changes with varying degrees of uniformity from one corner of the sheet or print, which is ordinarily rectangular to the opposite corner, the opposite extremes of intensity of shade being in the vicinity of the opposite corners.

In this connection the applicant has developed an electroplate or printing plate by means of which this effect is produced, the said printing plate or electro being the subject of the invention.

In the accompanying drawings:

I have illustrated two printing plates embodying my invention.

In the drawings:

Fig. 1 is a perspective view of a printing plate shaded diagonally from the upper left hand to the lower right hand corner, and Fig. 2 is a perspective illustrating a printing plate shaded diagonally from the upper right-hand corner to the lower left-hand corner.

Referring to the drawings by numerals:

The plate, 1, in each instance, is supported in accordance with the regular practice, on a block, 2, and, in accordance with my invention, both plates are shaded producing diagonal lines or zones of varying intensity as to coloring or shade, the darkened or most intense portion, 3, being preferably at one upper corner, as illustrated, and the lightest or least intensely tinted portion, 4, being preferably adjacent the diagonally opposite corner, the intervening, printing surface of the plate varying in intensity of tint, or from dark to light, from one corner, 3, to the opposite corner, 4, preferably with more or less irregularity giving the effect of diagonal lines, bars or zones, 3, 4, 5 of varying width and intensity of coloring but of substantially consecutive degrees of intensity, said bars preferably at right angles to the line connecting the said opposite corners.

An exact description of the surface of the block as to the portions thereof producing the different printing effects described is believed to be unnecessary, as this surface is ordinarily produced by the regular engraving process and the manner of making the blocks will be easily understood by those skilled in the art from the foregoing description of the printing effect of the different portions of the surface.

What I claim and desire to secure by Letters Patent is:

1. A printing plate of substantially rectangular outline, having a printing surface which, near one corner, is adapted to produce the effect of intense tinting, the intensity of the tinting diminishing from said corner toward the diagonally opposite corner.

2. A printing plate having a printing surface which near one corner is adapted to produce the effect of intense coloring, the intensity of the coloring diminishing from said corner toward and to the diagonally opposite corner, the variation in intensity being irregular, giving diagonal bars and lines of varying intensity, extending in a direction substantially at right angles of the said diagonal.

3. A printing plate having a printing surface or background composed of a series of diagonal bars or zones of varying and consecutive tints, the tinted portion being most intense at one end and least intense at the opposite end of said series of bars or zones.

Signed by me at Baltimore, Maryland, this 9th day of July, 1923.

GRAHAM W. BROGAN.

Witnesses:

PORTER H. FLAUTT,

ELIZABETH REECH.