

(No Model.)

T. HYATT.

ILLUMINATING GRATING.

No. 255,511.

Patented Mar. 28. 1882.

Fig. 1.

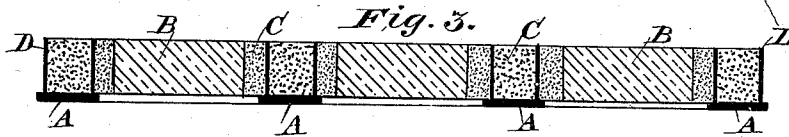
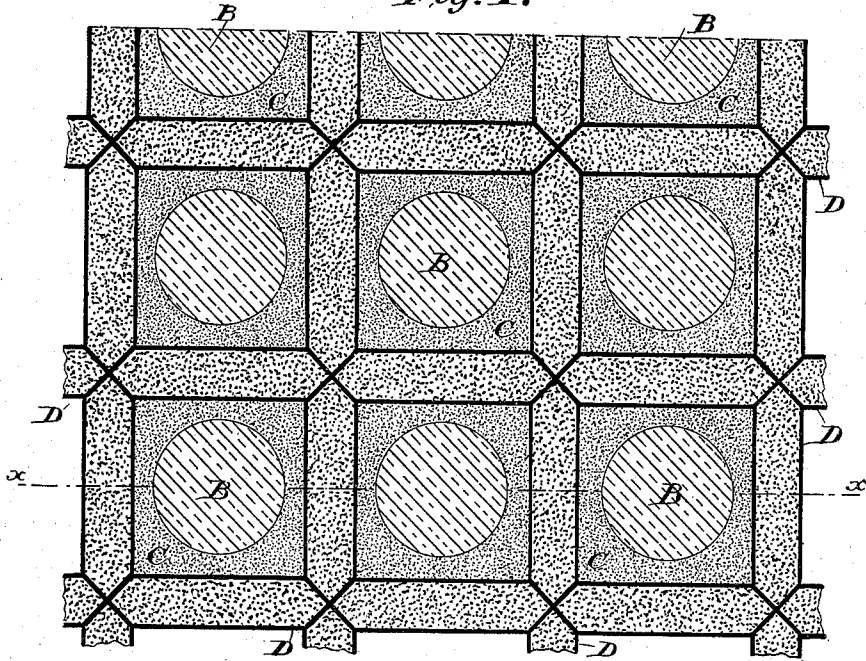
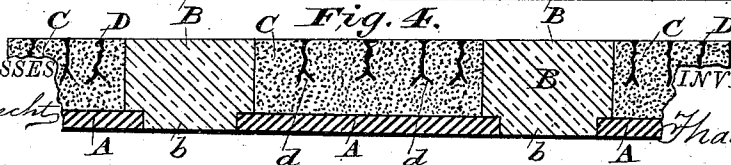
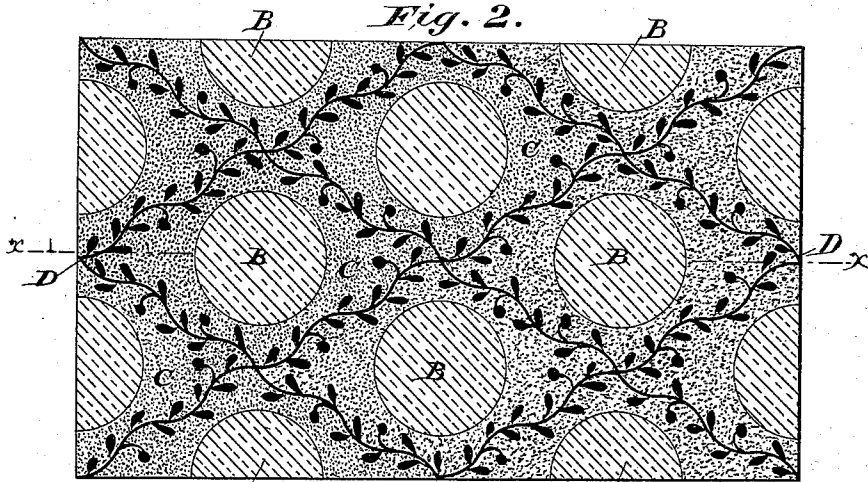


Fig. 2.



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ILLUMINATING-GRATING.

SPECIFICATION forming part of Letters Patent No. 255,511, dated March 28, 1882.

Application filed March 1, 1882. (No model.) Patented in England August 20, 1878.

To all whom it may concern:

Be it known that I, THADDEUS HYATT, a citizen of the United States, residing at Brooklyn, county of Kings, State of New York, have made certain new and useful Improvements in Illuminating-Gratings, of which the following is a specification.

The object of my invention is to make safe and ornamental the foot-surface of concreted illuminating-gratings: first, as to safety to prevent slipping, by the employment of soft metals—such as lead, brass, &c.—combined with the glasses and concrete in such manner as to form with them the actual tread or foot-surface; and, second, to form an ornamental foot-surface by means of soft metals, cast or made into ornamental shapes and combined with the concrete and glasses.

In the drawings attached hereto and making part of this specification, like letters refer to like parts in all the figures.

A represents the floor plate or grating; B, the glasses; C, the concrete; D, the ornamenting metal lines or figures; *b b*, the under side of the glasses when shaped as a shank or projection to take into the openings of the plate or grating.

Figures 1 and 2 are plan views, showing two different designs. Figs. 3 and 4 are cross-sections respectively of Figs. 1 and 2 on the line *x x*. Fig. 1 and its cross-section, Fig. 3, represent the metal ornamental lines and figures as forming a portion of the floor-plate or grating and cast upon it. Fig. 2 and its cross-section, Fig. 4, represent the metal ornamental lines and figures as forming a metal construction inde-

pendent of the floor-plate or grating. In this case the ornamenting metal takes the form of inlays of filigree work or otherwise, and depend upon the concrete to hold them in place, for which reason I make the metal lines spreading, forked, or thickest at the bottom, as shown at *d d*, Fig. 4, to prevent them from becoming loosened by wear; and the floor-plate itself being flat, the glasses become finally the means of holding both concrete and inlays to the surface of the same, for which reason the glasses are formed with shanks or projections, as shown at *b b*, Fig. 4, which take into the openings of the plate or grating, where they are made fast by cement, the concrete being thus held between the adhering sides of the glasses and forming a secure matrix for receiving and holding the inlays.

Having thus fully described and illustrated my invention, what I claim, and desire to secure by Letters Patent, is—

1. Concreted illuminating-gratings made by combining soft metal with the concrete and glasses as a foot-surface, substantially as and for the purposes herein set forth and illustrated.

2. Concreted illuminating-gratings made by combining soft-metal ornaments with the concrete and glasses as a foot-surface, substantially as and for the purposes herein set forth and illustrated.

THADDEUS HYATT.

Witnesses:

CHAS. H. SHEPARD,
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