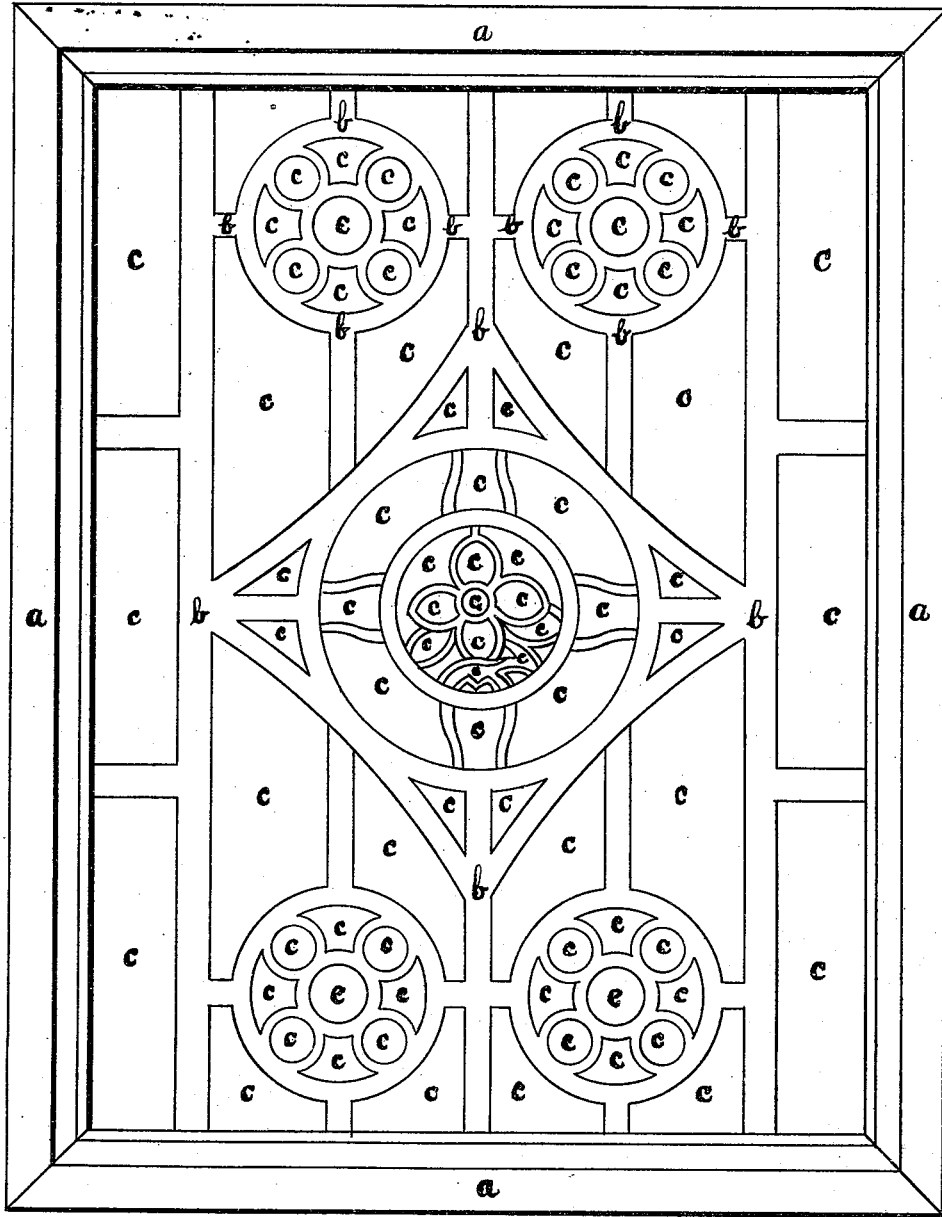


R. M. TUDOR.  
ORNAMENTED WINDOW-GLASS.

No. 191,270.

Patented May 29, 1877.



Witnesses

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By

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# UNITED STATES PATENT OFFICE.

ROBERT M. TUDOR, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN ORNAMENTED WINDOW-GLASS.

Specification forming part of Letters Patent No. **191,270**, dated May 29, 1877; application filed January 25, 1877.

*To all whom it may concern:*

Be it known that I, ROBERT M. TUDOR, of the city of Philadelphia, State of Pennsylvania, have invented a new and useful Ornamented Window-Glass, of which the following is a specification:

The object of my invention is the production, by a comparatively inexpensive process, of a window-glass which shall produce an effect similar to that of stained glass.

The nature of my invention consists in applying to one side of the glass, by means of an adhesive substance, paper on which there has been printed, painted, or stained opaque lines and transparent colored figures, resembling the leaden sash and colored glass in an ordinary stained window.

Plain white paper, such as lithographic or writing paper, may be used, and in this case the lines and figures are correspondingly printed, painted, or stained on both sides of the paper. I prefer, however, to use paper rendered more or less transparent by oil or varnish, and in this case it is only necessary to print, paint, or stain the lines and figures on one side of the paper.

The paper so prepared may be applied to the glass in various ways. Thus, it can be temporarily applied by a little gum at each corner of the glass, or by pins or button-fastenings.

The advantage of this temporary mode of application consists in the ease with which the paper can be removed for change of patterns or for cleaning the glass.

The prepared paper can be more permanently attached to the glass by means of varnish, gum, starch, albumen, or other adhesive substances applied all over the surface of the

glass, or only around the margin of the paper, as drawing-paper is sometimes attached to a drawing-board. After the paper has been attached to the glass in any of these more permanent modes, a coat of varnish, preferably copal, is applied to the back of the paper, rendering it water-proof, and increasing its transparency. The paper can be further protected, if desired, by placing another glass over it.

Owing to the small cost of glass ornamented in this manner, it may be employed with pleasing effect, not only in churches and car-windows, where expensive ornamentation has been hitherto produced by means of stained glass, but also in bay-windows, bath-room windows, in transoms and vestibule doors, in offices, in stair-windows, and in other localities about dwelling-houses.

The annexed drawing represents a front view of a pane of glass ornamented as described, and set in a frame or sash.

*a* represents the frame or sash; *b*, the opaque or leaden sash-lines; *c*, the transparent colored spaces or figures.

I claim—

As a new manufacture, an ornamented glass window-pane, consisting of a plate of ordinary window-glass, in combination with a paper on which there is printed, painted, or stained opaque lines and transparent colored figures in representation and imitation of the leaden sash and colored glasses in stained windows, substantially as set forth.

R. M. TUDOR.

Witnesses:

THOS. A. BURTT,  
JNO. A. BELL.