

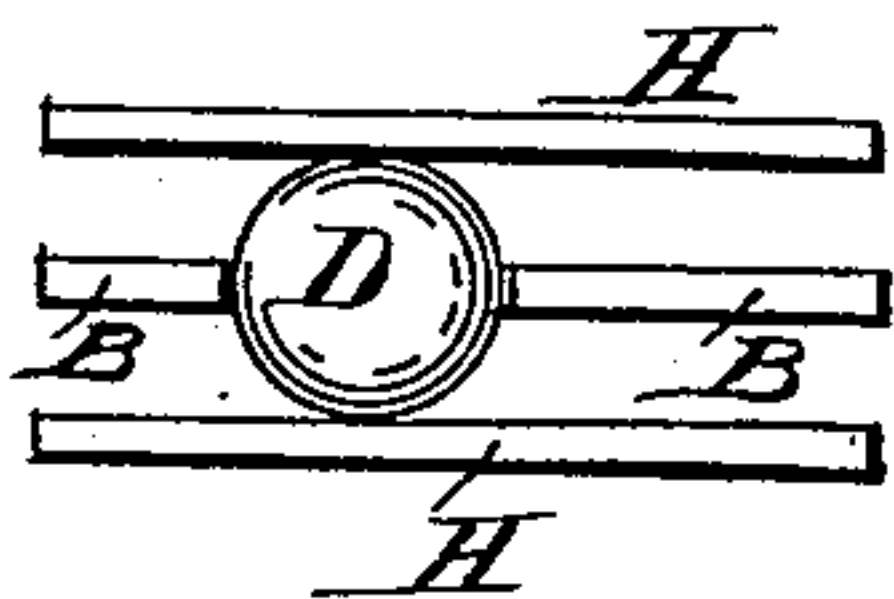
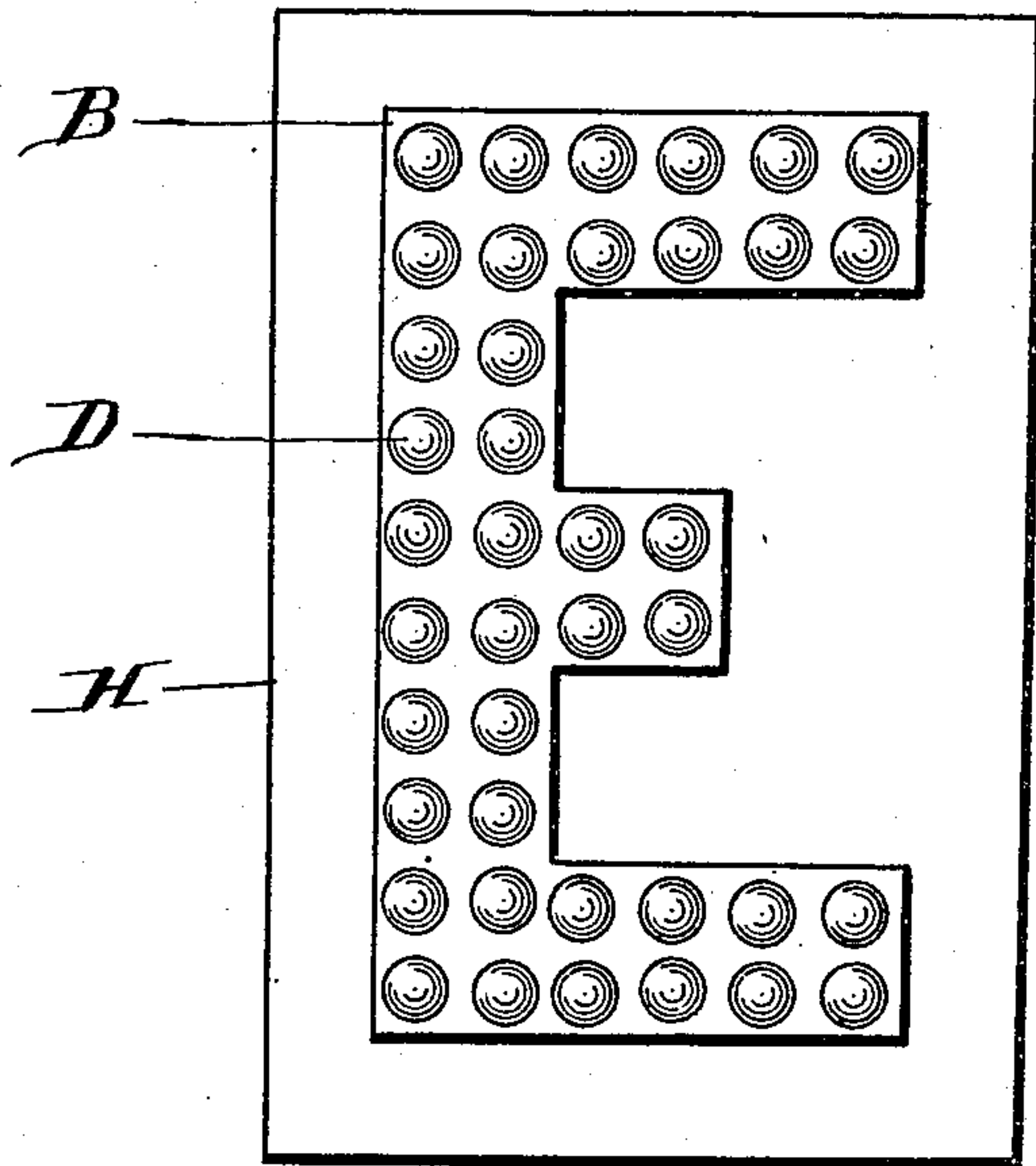
No. 722,847.

PATENTED MAR. 17, 1903.

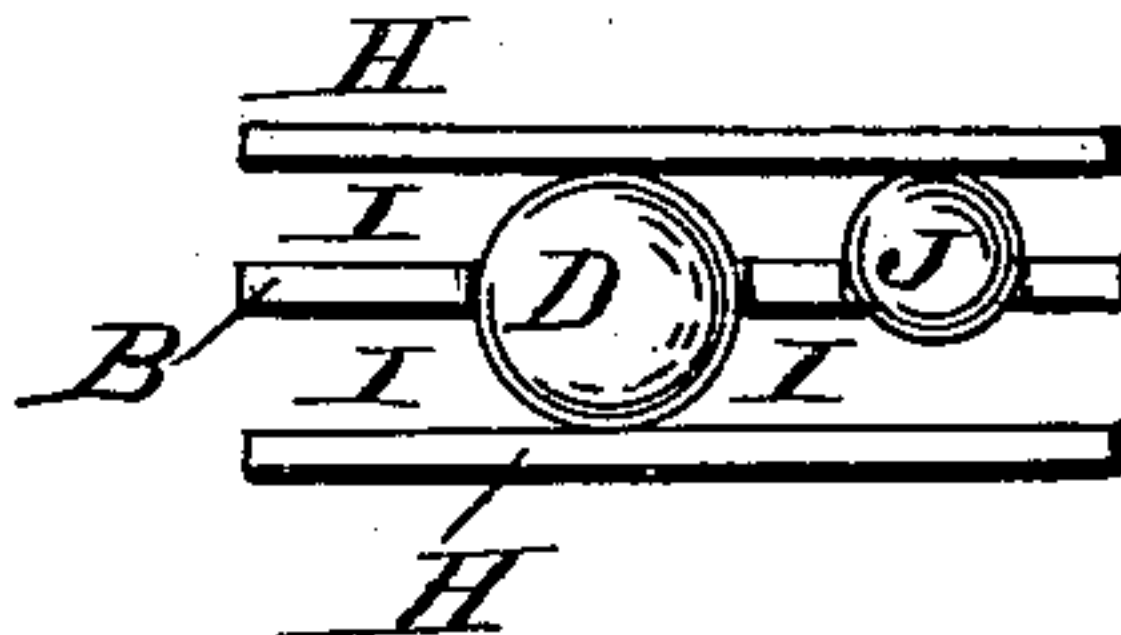
F. A. JUMEAU.  
TRANSPARENT PANEL FOR GLAZED WINDOWS.  
APPLICATION FILED DEC. 28, 1900.

NO MODEL.

*Fig. 3.*



*Fig. 1.*



*Fig. 2.*

Witnesses:

W. H. B. Miller

*[Signature]*

Inventor:

Ferdinand A. Jumeau,  
By *[Signature]* E. Boulter  
Attorney

# UNITED STATES PATENT OFFICE.

FERDINAND ALEXANDRE JUMEAU, OF ARBENT, FRANCE.

## TRANSPARENT PANEL FOR GLAZED WINDOWS.

SPECIFICATION forming part of Letters Patent No. 722,847, dated March 17, 1903.

Application filed December 28, 1900. Serial No. 41,320. (No model.)

*To all whom it may concern:*

Be it known that I, FERDINAND ALEXANDRE JUMEAU, a citizen of the Republic of France, and a resident of Arbent, France, have invented certain new and useful Improvements in Transparent Panels for Glazed Windows, of which the following is a specification.

The object of my present invention is to produce, by means of pearls, stones, or pieces of glass, polished stones, and the like of different colors, ornamental panels on which said pearls, &c., form transparent designs.

The invention provides ornamental panels of an improved character which may be manufactured in a short time and in a very economical manner.

The improved panels are manufactured as follows: The design to be reproduced is marked by means of series of perforations on a sheet of metal, cardboard, rigid gelatin, mica, or other suitable material. Said perforations correspond to the peripheries of the pearls, cut or polished stones, &c., designed to constitute the pattern.

The accompanying drawings illustrate the invention.

Figure 1 is an edge view illustrating one mode of carrying out my invention. Fig. 2 is a similar view showing the use of glass or other balls or spheres of different sizes. Fig. 3 is a plan view with the upper confining-plate removed.

The perforated sheet B serves to hold the pearls, &c., D inserted in the perforations. Said sheet is then placed between two glass

plates H, Fig. 1, and locked in this position by any suitable devices. As seen in Fig. 2, the diameter of the smallest pearl J is somewhat larger than the width of the hollow space I between the plates H B. The plate B is therefore located at about the middle point between the plates H H. The sheet B may also be replaced by a wire-cloth. The loops or openings correspond to the diameter of the pearls, &c. The metal plate will be perforated at the exact points where pearls, stones, &c., are to be located in accordance with the design to be reproduced.

It will be understood that the perforations may be of any desired outline in accordance with the shape of the pearls, stones, &c., employed. The latter may be movably arranged in said perforations.

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

A transparent ornamental panel for glazed windows, comprising two glass plates, and a perforated sheet secured between the same, and pearls, cut or polished stones or the like, held in the perforations of said sheet and constituting any desired design, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two witnesses.

FERDINAND ALEXANDRE JUMEAU.

Witnesses:

ADOLPHE STURM,

EDWARD P. MACLEAN.