L. M. LEA.

PANE.

APPLICATION FILED JAN. 2, 1915.

1,187,346.

Patented June 13, 1916.

Fig. 1.

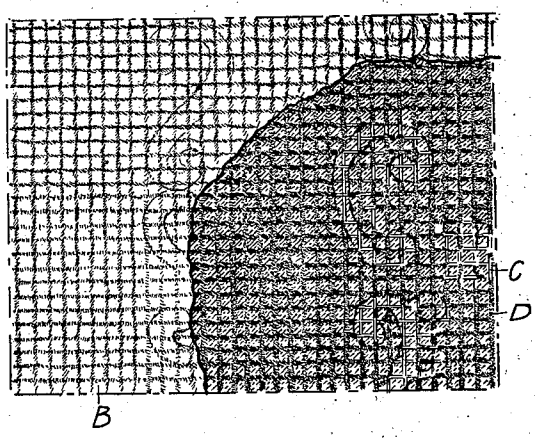


Fig. 2.

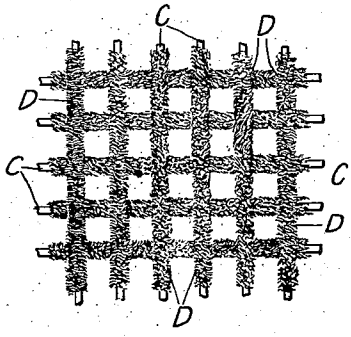
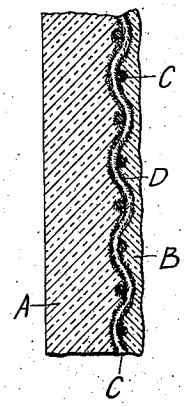


Fig. 3.



WITNESSES

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PANE.

1,187,346. Specification of Letters Patent. Patented June 13, 1916.

Application filed January 2, 1915. Serial No. 2.

To all whom it may concern:

Be it known that I, LILLIAN M. LEA, a citizen of the United States, and a resident of Ramsey, in the county of Bergen and State of New Jersey, have invented a new and Improved Pane, of which the following is a full, clear, and exact description.

An object of the invention is to provide a new and improved pane for use in windows, glass doors, partitions and other structures, and arranged to permit looking through the pane from one side and to prevent seeing through the same from the other side.

A further object is to provide a pane which is exceedingly strong and durable and has a lace curtain effect.

In order to accomplish the desired result use is made of a sheet of glass in which is embedded an open mesh fabric such as wire netting, covered wholly or in part with a fireproof, loose, fluffy material such as asbestos fibers, arranged according to a predetermined design such as that of a lace curtain to produce a lace curtain effect.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a face view of the pane with a portion of the covering layer of glass removed; Fig. 2 is an enlarged face view of the open mesh fabric covered with loose material; and Fig. 3 is an enlarged cross section of the pane.

The pane consists essentially of a sheet of glass formed of two layers A and B, between which is embedded an open mesh fabric C, preferably wire netting, covered in whole or in part along its members with a loose, fluffy material D, preferably fireproof, such, for instance, as asbestos fibers. The loose material D is arranged according to a predetermined design, such, for instance, as that of a lace curtain, as indicated in Fig. 1. In practice, the layer A is the main or outer layer while the layer B is the covering or inner layer and is very thin in comparison with the main layer A. By this arrangement the wire netting C and its loose material D is located near one face of the sheet of glass, that is, near the inner face of the sheet, in case the sheet is used as a window pane, for instance. By the arrangement described, a person inside of a room can readily look through the pane of glass to the outside, but a person standing on the outside cannot look through the window pane into the room. To the person on the outside the loose material presents a lace curtain effect.

In the manufacture of the pane, a batch of molten glass is dumped onto a table to approximately the thickness of the layer A and then the wire netting C with its covering material D is placed on top of this glass, after which another layer of molten glass is placed on top of the wire netting and is rolled down by the use of a suitable roller so that the glass passes through the meshes or interstices of the wire netting C and its covering to unite with the glass of the first bath, that is the layer A. The outer surface of the covering layer B is preferably left undulating or rough, thus aiding the covering material and the wire netting in preventing a person from looking through a pane from the outside.

A pane constructed in the manner described can be readily used in windows, glass doors, partitions and other structures especially as the pane is reinforced by wire netting while the covering material produces a lace curtain effect.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A pane of glass, comprising a sheet of glass consisting of inner and outer layers and a wire netting therebetween having its members covered with a fluffy loose material, the said netting and its covering being embedded in the said sheet of glass the inner layer having a roughened surface.

2. A pane of glass, comprising inner and outer merged layers of glass, the outer of which is the main layer and the inner a covering layer comparatively thin relative to the said main layer, and a wire netting embedded between the said layers of glass having a covering of asbestos fibers arranged according to a predetermined lace curtain design, the said netting and its covering reinforcing the pane of glass and producing a lace curtain effect the inner surface of the thin layer being irregular.

3. A pane of glass consisting of inner and

outer layers, the inner layer being relatively thin, and an open mesh metallic fabric embedded between said layers, the members of said fabric covered with a loose fluffy fireproof material in a design to produce a lace curtain effect.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LILLIAN M. LEA.

Witnesses:
THEO. G. HOSTER,
PHILIP D. ROLLHAUS.