

ART GLASS WINDOWS.

Why Lead is Used For Binding the Pieces Together.

In the making of art glass windows one of the most important things is the lead used for binding the different sized pieces of glass together. If two pieces of glass of different color or tint are placed side by side and viewed from the dark, the light passing through the glass into the spectator's eyes, the effect will be very unsatisfactory. Like magic this changes when a strip of lead is laid between the two pieces, each being luminous with its own individual color, yet blending beautifully with its neighbor.

It is customary for the art glass painter to make colored sketches for windows, drawn to one-half or one inch scale. After these sketches have been accepted as satisfactory, if it is for a figure window, he makes a full size cartoon on paper in crayon, showing all lights and shadows as well as the outlines. Early Italian painters used smooth whitewashed boards for this purpose, but now it is done on so called eggshell surface paper.

The full sized drawing is laid on a thin and a heavy sheet of detail paper. Between the design and middle, as well as the lower paper, there are thin sheets of blackened paper. All these are fastened to the drawing table with thumb tacks. Then all the lines are run over with a finely pointed ivory pencil. When done the drawing appears on the thin as well as on the thick paper, the former being the working drawing for the leader, while the latter is cut up by the glass cutter for his patterns to cut the glass to correct size and shape. If the paper were cut with an ordinary knife or scissors the glass with the lead would work out too large. To allow room for the lead a two bladed knife, with the blades set nearly one-eighth of an inch (the thickness of the core or heart of the lead) was formerly used, but the cutting is now done with three bladed scissors.

When the various kinds of glass have been cut the pieces are set together with came or glazier's lead. These are strands of lead with a groove on either side. The artisan who sets the pieces of glass together does this on the outline tracing or working drawing by first placing each piece in its proper position. He nails a straight edge along the edge of his work table nearest him, along which he places a strand or border lead, pressing the glass into the groove of the same and keeping the glass temporarily in place with wire nails tacked into the table. These he draws out when placing the inside lead and tacks them alongside the next piece of glass, and so on to the finish.

When the entire panel is thus leaded together the joints are soldered first on one side. Then the panel is turned, and the other side is treated in the same way. Next the cementers take the light in charge and rub in the cement (thin putty) with brushes and clean it off with sawdust, which is also manipulated with brushes, but these are of somewhat stiffer bristles. The cement fills up all spaces between the lead and glass, binding the two firmly together and making it weather proof. Strengthening or saddle bars are placed horizontally, so that the lights will withstand any windstorm.

The leading of all styles of art glass is done in the same manner.—William Schroeder in Western Journal of Education.

A Familiar Experience.

The family was expecting callers after dinner, and each member was secretly dreading the ordeal, for the guests to be were unmistakably dull—the kind that are always called "worthy"—doubtless a great comfort to their families, but not a source of joy as entertainers.

"I feel sleepy already," said one member of the family. "I know I shall go to sleep sitting in my chair while they are here."

"Better take a nap now," said mother, "and perhaps that will refresh you so you can at least keep awake during the visit."

The drowsy member disappeared to her room, but after about fifteen minutes she returned, saying:

"No; there is no use in trying. I can't sleep till they come."—New York Press.

The Point of View.

Fuddy—It is the same with humor as with everything else. A good deal depends upon the point of view, I suppose. There was Tolfet, for instance, who was butted by Clough's billygoat. It seemed awfully funny to the rest of us, but Tolfet didn't laugh a bit. Doesn't appear to be any sense of humor in Tolfet.

Duddy—Oh, I don't know. You can't expect a man to laugh very heartily at what is going on behind his back. And you say yourself a great deal depends upon the point of view.—Boston Transcript.

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All persons are hereby notified not to trespass on my premises for either the purpose of hunting or picking berries.

E. M. RANDLEMAN.

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"I must tell you of my experience on an East bound O. R. & N. train from Pendleton to Le Grande, Ore," writes Sam A. Garber, a well known traveling man. "I was in the smoking department with some other traveling men when one of them went out into the coach and came back and said, 'There is a woman sick unto death in the car.' I at once got up and went out, found her very ill with cramp colic, her hands and arms were drawn up so you could not straighten them, and with a deathlike look on her face. Two or three ladies were working with her and giving her whiskey. I went to my suit case and got my bottle of Chamberlain's Colic Cholera and Diarrhoea Remedy—I never travel without it—ran to the water tank, put a drop's dose of medicine in the glass, poured some water into it and stirred it with a pencil, then I had quite a time to get the ladies to get the ladies to let me give it to her, but I succeeded. I could at once see the effect and I worked with her, rubbing her hands, and in twenty minutes I gave her another dose. By this time we were almost in Le Grande, where I was to leave the train. I gave the bottle to the husband to be used in case another dose should be needed, but by the time the train reached Le Grande she was alright, and I received the thanks of every passenger in the car." For sale by C. Y. Lowe.

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