

(No Model.)

R. M. McDOWELL.
NOISELESS SLATE FRAME.

No. 342,621.

Patented May 25, 1886.

Fig. 1.

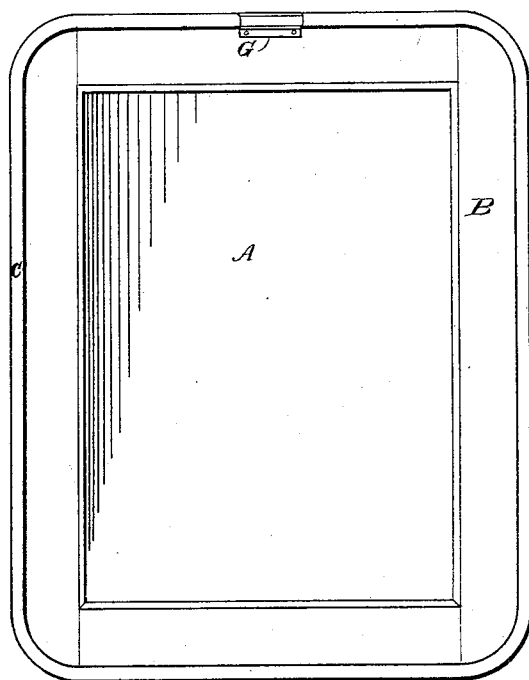


Fig. 2.



Fig. 3.

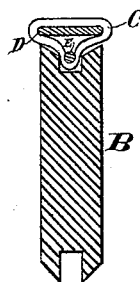


Fig. 4.

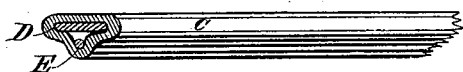
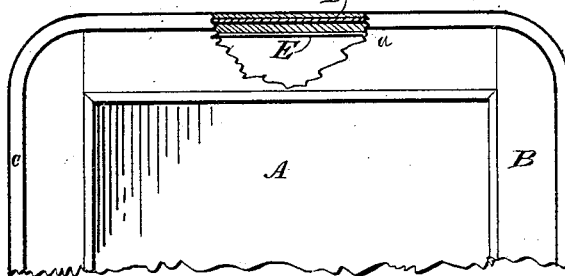


Fig. 5.



Witnesses:

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NOISELESS SLATE-FRAME.

SPECIFICATION forming part of Letters Patent No. 342,621, dated May 25, 1886.

Application filed January 16, 1885. Serial No. 153,077. (No model.)

To all whom it may concern:

Be it known that I, ROBERT M. McDOWELL, a citizen of the United States, residing in the borough of Slatington, in the county of Lehigh and State of Pennsylvania, have invented a new and useful Improvement in Noiseless Slate-Frames; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, wherein—

Figure 1 is a perspective view. Fig. 2 is an enlarged sectional detailed view of the frame alone. Fig. 3 is an enlarged transverse sectional detailed view of the frame with the noiseless material pressed in the groove of the frame. Fig. 4 is a view of a piece of noiseless material, showing the mode and way it is made. Fig. 5 is a view, partly broken, exposing the web, strip of compressed paper, and showing its cord stretched and pressed in the groove of the frame.

The nature of my invention relates to a new and improved noiseless school slate constructed in such a manner that it has a smooth and neat appearance. It pertains more particularly to the method of shaping and fastening the noiseless material around the frame; and it consists, mainly, in weaving the webbing in tubular shape round a strip of compressed paper or any suitable material of sufficient width to extend over the outer edges of the slate-frame, and having on its lower side, in the middle, a cord of proper thickness woven in for the purpose of pressing the same snugly in the groove of the frame on the outside, which is held in position by any suitable cement or glue.

In the accompanying drawings similar letters of reference indicate like parts of the invention.

A represents a school-slate; B, the frame; C, the tubular webbing with its strip of compressed paper D and cord E.

In Fig. 2, F represents the shape of the groove, with its outer projecting edges, *a a*, slanting in instead of out, and thereby forming a seat for the noiseless strip, and when stretched and inserted in the grooves fastened by any suitable cement. Thereby the edges of the frame are completely protected by the noiseless material sufficient to render it noiseless and durable.

G represents a tab, of any suitable material, to hold the two ends of the web C together where joined.

The special advantages of my noiseless slate-frame herein shown are that the fastening of the tubular webbing represented does not materially weaken the frame, and that it is strong, durable, and cheap in construction.

The noiseless material C, as already described, and shown in Fig. 4, is a tubular webbing or any suitable material woven in a tubular shape, with a strip of compressed paper, D, of proper width, and cord E, of proper thickness, extending through the said webbing and around the frame.

The groove F around the edges of the frames should be of sufficient depth to embed one thickness of the web C and cord E, as shown in Fig. 3, and is held in its place by cementing the groove first before pressing and stretching the webbing C firm in the groove around the frame.

I am aware that noiseless slates have been made heretofore with a continuous groove around and cloth or webbing around the frame; but such methods have been different in construction and more expensive in manufacturing.

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

1. The combination, with a slate-frame, of the flexible tubular strip C, piece D, and cord E, secured within the strip C, as described, and also secured in a groove in the outer edges of the slate-frame, all substantially as and for the purpose specified.

2. The combination, with a slate-frame having a groove on its outer edges, of the woven tubular strip C, surrounding a flat piece, D, and a cord, E, secured within the tube to the inside of the strip D, and adapted to enter the groove F and hold the strip and inclosed piece securely in place upon the frame, all substantially as specified.

ROBERT M. McDOWELL.

Witnesses:

JAMES R. HERSH,
DAVID McKENNA.