

(No Model.)

E. L. KRAUS.
SCHOOL SLATE FRAME.

No. 461,442.

Patented Oct. 20, 1891.

Fig. 1.

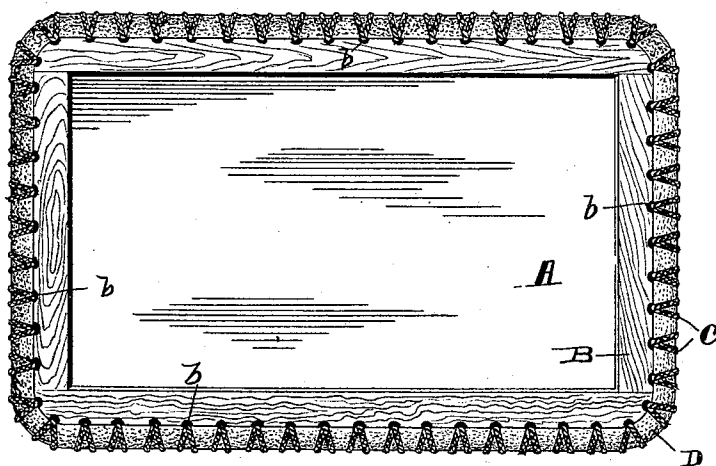


Fig. 2.

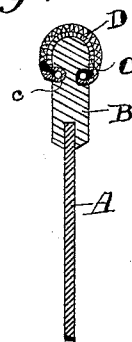
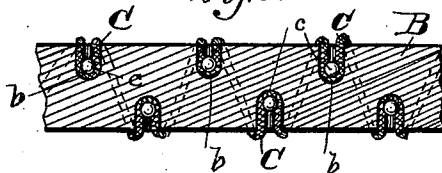


Fig. 3.



Fig. 4.



WITNESSES

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SCHOOL-SLATE FRAME.

SPECIFICATION forming part of Letters Patent No. 461,442, dated October 20, 1891.

Application filed June 8, 1891. Serial No. 395,556. (No model.)

To all whom it may concern:

Be it known that I, EDWARD L. KRAUS, of Slatington, Lehigh county, and State of Pennsylvania, have invented certain new and useful Improvements in School-Slate Frames; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a plan view of a slate having my improved frame. Fig. 2 is a detail transverse section through the frame. Fig. 3 is a detail edge view thereof. Fig. 4 is a detail longitudinal section through the frame in the line of the sinks.

This invention is an improvement in frames for slates, &c., and its object is to make a cushioned or noiseless frame; and it consists in the novel construction and arrangement of parts hereinafter described and claimed.

Referring to the drawings, A designates an ordinary slate, and B an ordinary wooden frame, with this exception, that in its side faces and parallel with its exterior edge are formed a series of sinks, recesses, or indents *b b* at regular intervals apart; also, the sinks in one face are intermediate to or alternate with those on the other face, as shown more clearly in Fig. 4.

C designates a muffling-cord, which may be of any suitable material—felt, rubber, or covered wire. One end of such cord is secured in one of the sinks *b* of the frame at one side thereof. It is then turned over the edge of the slate and fastened to the opposite face thereof in the adjoining sink therein. It is then carried back over the edge of slate-frame to the reverse face of slate, secured there in the sink therein, then led back and secured to the next sink in the obverse face, and so on back and forth over the edge until the frame has been completely encircled, as in Fig. 1. The cord is secured by forcing it into the sinks by means of leaden plugs, such as *c c*, or other suitable filling. The shots are forced upon the cord, crowding it into the sink.

From the foregoing it will be observed that the frame is protected by the cord which is applied to the outer edge and both side faces

thereof in a zigzag or serpentine course, or a series of return-bends made in the cord, each bend overlapping alternately the opposite faces of the frame, and the extreme points of the bends being secured to the side faces of the frame by means of holes or sinks preferably sunk alternately to each other in the faces of the frame, the cord being forced therein and retained by means of leaden or other suitable plugs.

Preferably the sinks or holes do not penetrate through the frame. A strip D of felt, rubber, or other suitable material may be placed around the edges of the frame, as indicated in Figs. 1 and 2, in order to further cushion the frame, said strip being retained in place by cord C.

Having thus described my invention, I claim—

1. The combination of the frame having a series of sinks in its opposite faces, with a cord carried back and forth over the edge of the frame and alternately fastened to the opposite faces thereof by being forced into said sinks and plugged therein, substantially as specified.

2. A slate-frame having a series of sinks sunk alternately in its opposite faces, with a muffling-cord applied to the frame in a zigzag or serpentine course and overlapping in its course the edge and part of both side faces of the frame and being secured in said sinks alternately at opposite sides of the frame by metal plugs, as and for the purpose specified.

3. The combination of the frame having a series of sinks or slots in its opposite faces with a cord carried back and forth over the edge of the frame and alternately fastened to the opposite faces thereof by being forced into said sinks and plugged therein by metal, and a cushioning-strip applied to the edge of the frame underneath said cord, all substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

EDWARD L. KRAUS.

Witnesses:

DAVID McKENNA,
S. H. SCHNECK.