W. Hersee,

Slate Frame.

No. 99,187. Patented Jan. 25. 1870.

Fig. 1

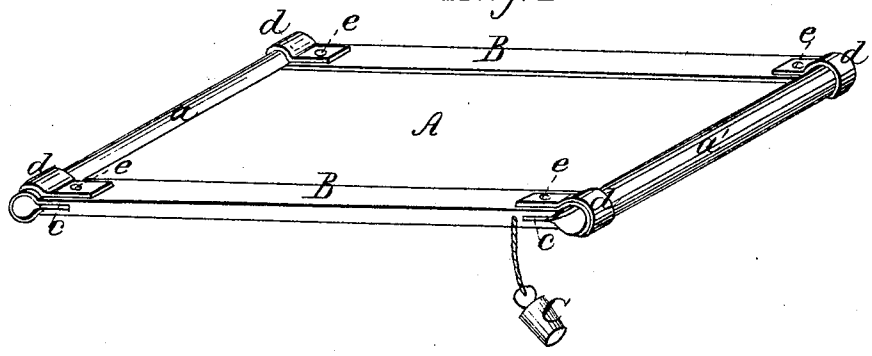


Fig. 2

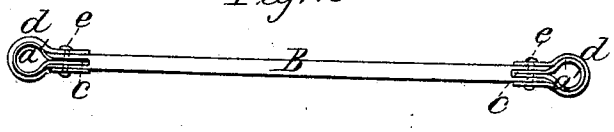
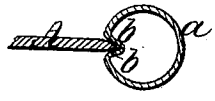


Fig. 3



Witnesses

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United States Patent Office.

WILLIAM HERSEE, OF BUFFALO, NEW YORK.

Letters Patent No. 99,187, *dated January* 25, 1870.

IMPROVEMENT IN SLATE-FRAMES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM HERSEE, of Buffalo, in the county of Erie, and State of New York, have invented certain new and useful Improvements in Slate-Frames; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view;

Figure 2, an end elevation of one side of the frame; and

Figure 3, a cross-section of a portion of the slate and iron frame.

Like letters of reference indicate corresponding parts in all the figures.

My invention consists in forming the top and bottom of a slate-frame of thin metal bent in tube form, making a receptacle for pencils, &c., fastened at the four corners of the slate, by means of leather straps, &c., to be hereinafter fully described.

In the drawings—

A represents the slate, and

B B′, the two wooden side pieces.

a a′ indicate the top and bottom pieces of the frame, made of any suitable metal, preferably of sheet-iron or tin, bent over in the form of a tube, the edges *b b* bent inwardly, making a receptacle for the bevelled edge of the slate itself, as clearly shown in fig. 3, the advantages of which to be presently stated.

To further aid in holding the slate, I form a tongue, *c*, on each end of the metal tube, which projects into the wood of the side-pieces, shown in figs. 1 and 2. If found preferable, I shall, however, continue this tongue in the form of a strap, around the metal tube.

To hold the corners together, and prevent noise in moving or handling the slate, I pass leather straps *d d*, around the outside of the metal ends, the two ends lying flat on the wooden side-pieces B B. Cloth or rubber may also be inserted between the leather and the metal.

Through the leather straps *d*, the wooden side-piece B, and the tongue *c* of the metal end, I pass a single rivet, *e*, which is fastened and headed, and thus securely holds the slate together.

This, as will be seen, makes a very strong, simple, and cheap connection of the corners, besides rendering the slate perfectly noiseless, when moved about, these leather straps not only fastening the slate-frame together, but also acting as cushions. The leather projects over the slate-edges, further aiding in producing this effect.

They are more desirable and effectual than any India-rubber corners or cushions, which have the disadvantage of making the slate rebound, when not carefully laid down.

The chief feature of novelty in the frame is, the metallic tubes for top and bottom, which make a stronger, lighter, and more durable frame than any I am acquainted with, there being very little liability of its breaking by dropping the slate, or from any concussion.

It is also more readily taken hold of and raised than ordinary slates, which have often to be slid off, to get hold of them to lift them up.

The cylindrical tube possesses the additional advantage of allowing it to be used as a receptacle for pencils, &c, one end of the tube being plugged up, and the other having a removable stopper, C.

This, and the other advantages enumerated above, will, I claim, make this a superior slate for use in schools, academies, and other places, as well as for a business-slate.

If found desirable, the sides may be made similar to the top and bottom pieces, or the top and bottom of wood, and the sides of metal, or the top and bottom be formed into wooden tubes, to answer the same purpose as the metal ones.

I am aware that metal tubes have been applied to slates, to constitute their frames; such tubes I do not, therefore, claim.

What I claim as my invention, and desire to secure by Letters Patent, is—

The metal tubes *a a′*, having their ends bent inwardly, to form a groove, *b b*, receiving the bevelled edges of the slate A, and tongues *c*, at their ends, which project into the wooden side-pieces B B′, in connection with the encircling flexible corner-straps *d d*, when the parts are constructed and combined to operate as herein described.

In witness whereof, I have hereunto signed my name, in the presence of two subscribing witnesses.

WILLIAM HERSEE.

Witnesses:

J. R. DRAKE,

ALBERT HAIGHT.