(No Model.)

J. HACKENBERG.

SCHOOL SLATE.

No. 388,129. Patented Aug. 21, 1888.

Fig. 2.

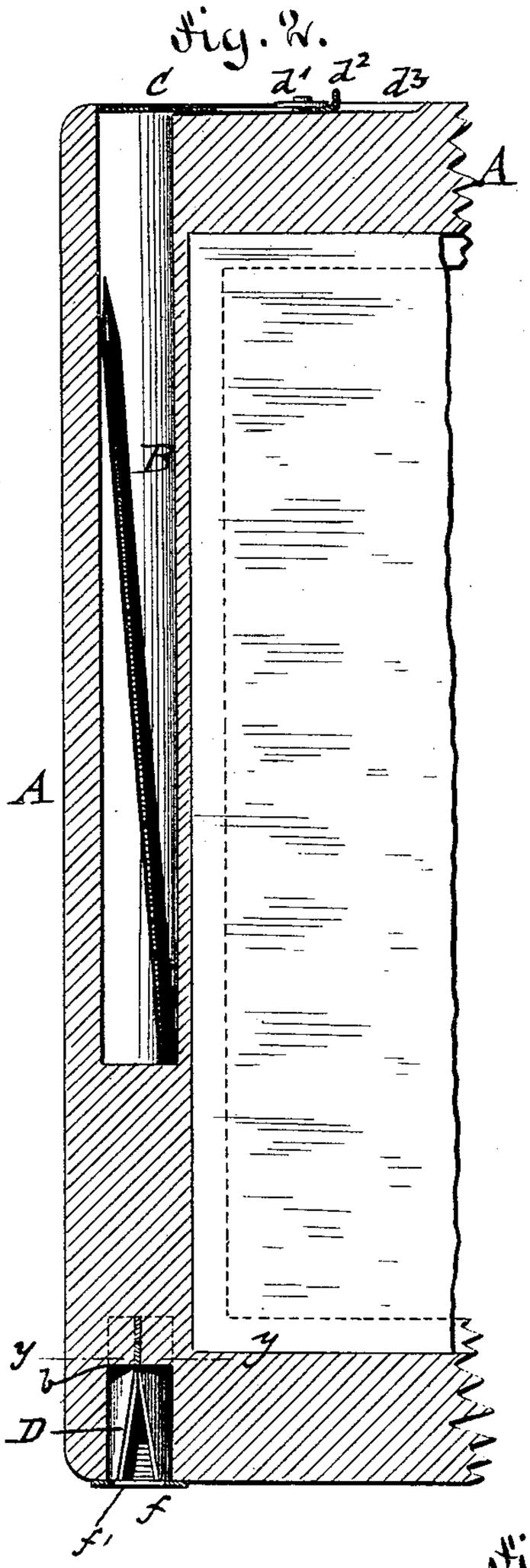


Fig. 4.

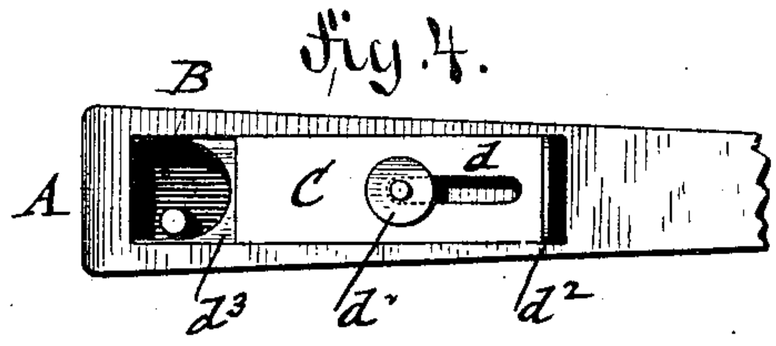


Fig. 5.

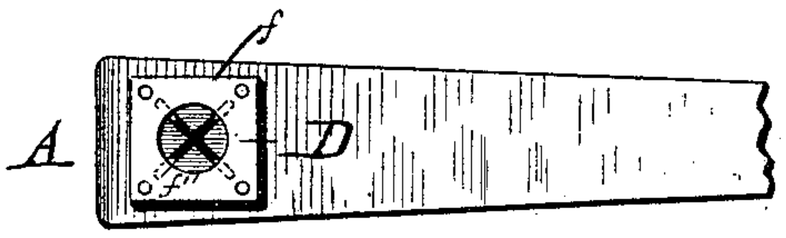


Fig. 1.

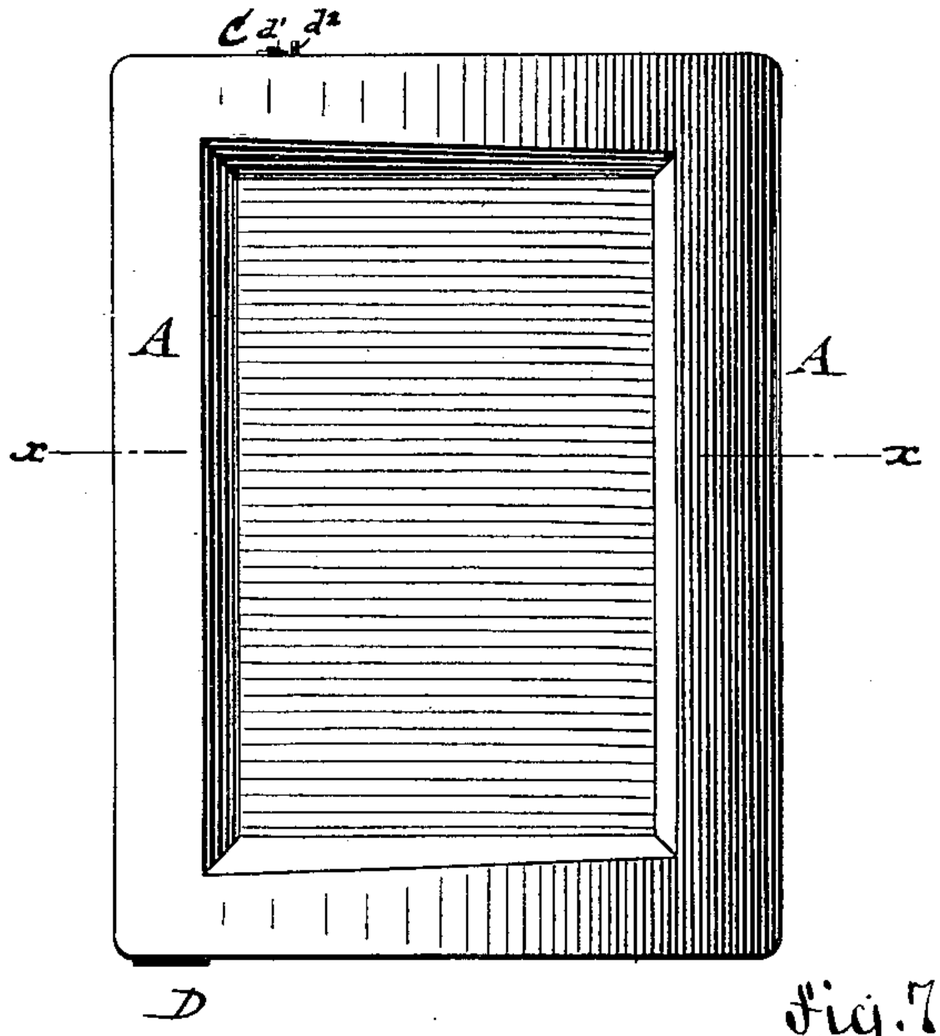


Fig. 3.

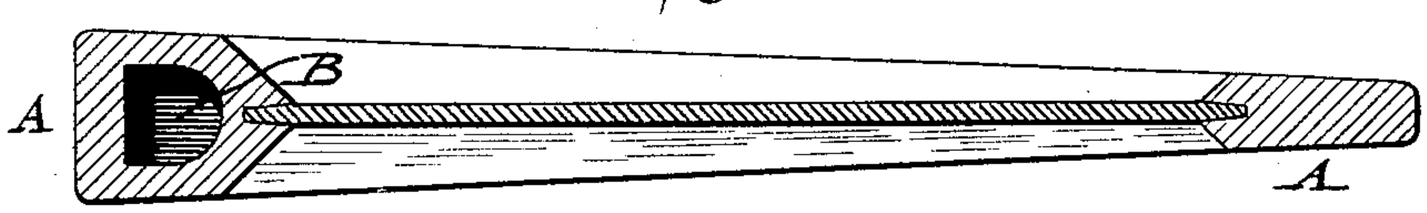


Fig. 7.

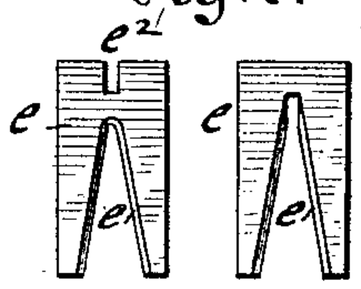
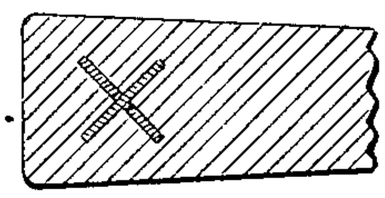


Fig. 6.



Witnesses.

F. W. Rosenbaum.

Sidney Isaacs.

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UNITED STATES PATENT OFFICE.

JULIUS HACKENBERG, OF PASSAIC, NEW JERSEY.

SCHOOL-SLATE.

SPECIFICATION forming part of Letters Patent No. 388,129, dated August 21, 1888.

Application filed May 15, 1888. Serial No. 273,921. (No model.)

To all whom it may concern:

Be it known that I, JULIUS HACKENBERG, of Passaic, in the county of Passaic, State of New Jersey, have invented certain new and useful Improvements in School-Slates, of which the following is a specification.

This invention has reference to school-slates of that class in which a part of the frame is utilized as a receptacle for slate-pencils; and the invention consists of a school slate the frame of which is made thicker at one side and gradually tapering toward the other side, so as to provide in the thicker side portion of the frame a longitudinal receptacle for the slate-pencils, which receptacle is closed by a sliding lid. The thicker portion of the frame is provided at the opposite corner with a pencil-sharpening device that is composed of blades with V-shaped recesses, which are arranged at right angles to each other and sharpened at the edges, said blades being set into a socket of the thicker portion and retained in the same by a fastening-plate having an opening for inserting the pencil for sharpening the same.

In the accompanying drawings, Figure 1 represents a side elevation of my improved school-slate. Fig. 2 is a vertical longitudinal section through the thicker portion of the frame of the slate, said figure being drawn on a large scale. Fig. 3 is a vertical transverse section of the slate on line *x x*, Fig. 1, also drawn on a larger scale. Figs. 4 and 5 are end views of the slate, showing, respectively, the sliding lid of the pencil-receptacle and the pencil-sharpening device. Fig. 6 is a detail vertical transverse section on line *y y*, Fig. 2; and Fig. 7 are detail views of the blades forming the pencil-sharpening device.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents the frame of my improved school-slate, which frame is made thicker at one side and tapering from said thicker side toward the opposite side, which is of normal thickness. In the thicker side portion is arranged a longitudinal receptacle, B, for the pencils, said receptacle being closed at the end by a sliding lid, C, which is guided by a slot, *d*, along a headed stud, *d'*, attached to the end of the frame A. The lid C has a bent-up lid, d^2, at the outer end for taking hold of the sliding lid in opening or closing the receptacle. The lid C is set into a recess or depression, d^3, of the frame A, as shown clearly in Figs. 2 and 4, so as to be flush with the frame A. By opening the sliding lid C the pencils can be readily removed from or replaced into the receptacle B, they being stored away in the receptacle in a convenient manner and always ready for use when required, so as to dispense thereby with a separate receptacle or box for the slate-pencils.

In the opposite corner of the thickened side portion of the frame A is arranged a socket-mortise, *b*, into which the slate-sharpening device D is secured, which consists of two blades, *e e*, having V-shaped recesses *e'*, that are sharpened at their edges, one blade having a central recess, e^2, at its base or butt-end, so as to interlock with the butt-end of the other blade, *e*, at the apex of its elongated recess e^2 when pushed over the same at right angles thereto, as shown in Fig. 6. When so connected, the blades *e e* are inserted into the socket *b* and retained in the same by a face-plate, *f*, having a central opening, *f'*, for the insertion of the pencil, said face-plate being attached by nails or screws to the frame A, as shown in Fig. 5.

When it is desired to sharpen the slate-pencil, the point of the same is inserted into the sharpening device and the pencil then turned on its axis, so that the sharpened edges of the blades sharpen the point of the pencil by a few turns of the same. The blades are made of steel and form a durable sharpener for the slate-pencil, which, owing to its simple construction, can be readily inserted and furnished with the slate, increasing but little the cost of the same.

A school-slate thus provided with a pencil-reservoir and a sharpening device for the pencils is very useful to school children, as it not only diminishes the loss and breakage of the pencils, but also facilitates the sharpening of the same whenever the same should be necessary.

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

1. A school-slate the frame of which is made thicker at one side and tapering toward its other side, and provided with a longitudinal

receptacle in the thicker side and a sliding lid for said receptacle, substantially as set forth.

2. A school-slate the frame of which is made thicker at one side and tapering toward its other side, and provided with a longitudinal receptace in the thickened portion and a slotted lid for the receptacle, said lid being guided along a fixed and headed stud of the frame, substantially as set forth.

3. A school-slate the frame of which is made thicker at one side and tapering toward the other side, and provided with a pencil-sharpening device secured into a socket in the thicker portion of the frame, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JULIUS HACKENBERG.

Witnesses:

J. L. McCLUSKEY,

FRED. WHITEHEAD.