

(No Model.)

J. S. ERWIN.  
CRAYON RACK FOR BLACKBOARDS.

No. 419,510.

Patented Jan. 14, 1890.

Fig. 1.

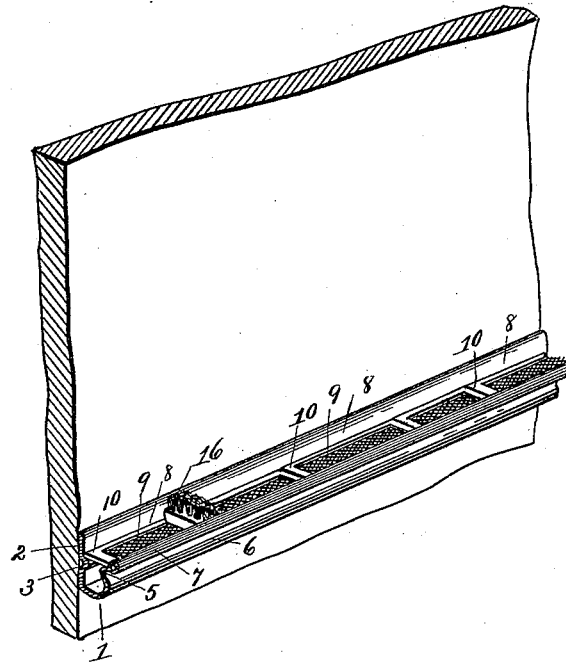


Fig. 2.

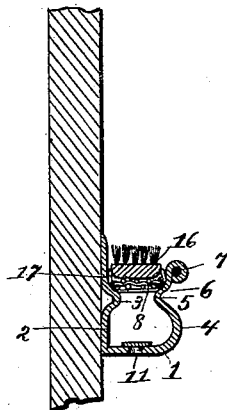


Fig. 3.

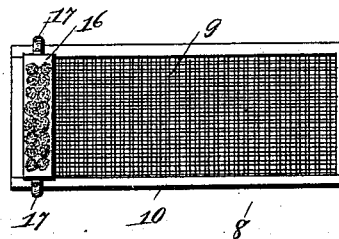


Fig. 5.

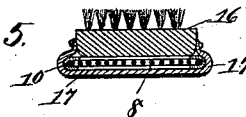
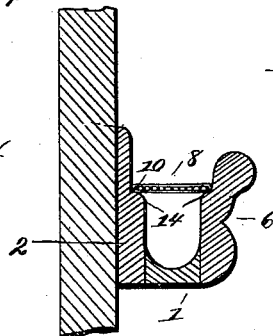


Fig. 4.



Witnesses:

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By *his* Attorneys,

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# UNITED STATES PATENT OFFICE.

JOHN STEWART ERWIN, OF KIRKSVILLE, MISSOURI.

## CRAYON-RACK FOR BLACKBOARDS.

SPECIFICATION forming part of Letters Patent No. 419,510, dated January 14, 1890.

Application filed June 15, 1889. Serial No. 314,334. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN STEWART ERWIN, a citizen of the United States, residing at Kirksville, in the county of Adair and State of Missouri, have invented a new and useful Blackboard Eraser-Support and Dust-Trap, of which the following is a specification.

This invention has relation to blackboard eraser-supports; and among the objects in view are to provide a support designed to be arranged along the lower edge of a blackboard and to so construct the same as to be capable of receiving the crayon-dust given off from the board during the operation of erasing and writing, and, furthermore, to provide the support itself with means adapted for ridding the eraser itself of a superabundance of crayon-dust, whereby the amount of dust usually given off from a board, and which, as is generally known, is objectionable, for the reason that it irritates the eyes, nose, throat, and lungs, is decreased to a minimum.

The invention consists in providing a support designed to be arranged under the entire length of blackboards, said support being formed either of wood or light metal, and preferably of sheet metal, and so constructed as to provide a gutter-trap or receptacle for the dust, which may be retained and gathered therein and afterward easily and conveniently removed by gathering the same to a certain point in the gutter wherein is located a suitable opening through which the dust may be emitted.

The invention further consists in the provision of a removable reticulated or perforated frame arranged above the bottom of the receptacle and designed to eradicate the crayon-dust from the rubber by working the rubber back and forth thereover.

Referring to the drawings, Figure 1 is a perspective of a portion of a blackboard provided with an eraser-support constructed in accordance with my invention. Fig. 2 is a transverse section of the same enlarged. Fig. 3 is a plan of a portion of the screen. Fig. 4 is a modification, the support being constructed of wood. Fig. 5 is a transverse section through Fig. 3.

Like numerals of reference indicate like parts in all the figures of the drawings.

In practicing my invention I prefer to construct the same of sheet metal and of a substantial U shape in cross-section.

1 represents the support, which in cross-section is of a U shape, the rear wall or branch 2 of the U being provided with a longitudinal inwardly-disposed bead 3. The outer or opposite branch is preferably molded in any ornamental manner, as at 4, and incidentally in the design is formed, opposite the bead 3, a companion bead 5. The upper edge of the branch 6 is turned or beaded, as at 7. A support thus formed may consist of several lengths or sections soldered together and secured in any suitable manner to the wall or other object upon which the blackboard-surface is formed.

8 represents a removable screen which is mounted upon the opposite beads 3 and 5, and, like the support itself, may be formed in sections where a very long board is employed. The screen 8 consists of, in this instance, a central reticulated portion 9, the opposite edges of which are provided with metal bindings 10, resting upon the beads. If desired, the screen may be made of perforated metal.

At suitable points upon the reticulated screen I may secure transversely-arranged brushes 16—in this instance by a band or clip 17, passing around the screen—this for the purpose of freeing the eraser from crayon-dust. However, I do not limit my invention to employing these brushes, but may rely upon the screen itself for this purpose.

An opening 11 is formed in the bottom of the support, and, if desired, a series of such openings may be formed at suitable intervals apart, whereby the crayon-dust collected may be lightly swept to a convenient opening and out therethrough into any suitable receptacle placed thereunder.

Referring to Fig. 4, I have illustrated how my invention may be constructed of wood. In such instance the rear wall and the bottom and front wall are formed separately and secured together in any usual well-known manner, and are provided with either cleats 14, for the support of the screen-frame, or should

ders may be formed by removing portions of the wood.

Having described my invention, what I claim is—

- 5 1. A blackboard eraser-support of substantially-U shape and having its front and rear walls provided with interior supporting projections below the top edge of the support, in combination with a removable screen-frame  
10 resting on the projections, so that it may be removed without changing any of the parts, substantially as specified.
2. A blackboard eraser-support formed of metal and of U shape and having its rear and  
15 front walls provided with inwardly-turned corrugations forming supporting projections, in combination with a removable screen-frame resting on the corrugations, substantially as specified.
- 20 3. A blackboard eraser-support formed of sheet metal and being of a U shape in cross-section, and having its front and rear walls bent to form longitudinal corrugations or beads, and a removable screen-frame formed  
25 of a woven wire and opposite metal bindings adapted for resting on the beads, substantially as specified.

4. The combination, with the screen, of a brush removably attached thereto, substantially as specified.

5. In a crayon-shelf for blackboards, a series of inverted brushes arranged thereon and the removable screen to which the brushes are removably attached, said screen being supported within the shelf, substantially as specified.

6. The screen 8, in combination with the brush 16 and clip or fastener 17, secured to the brush and passing around the screen, substantially as specified.

7. In combination with a blackboard eraser-support, the screen supported thereon and the inverted brushes connected to and carried by the screen, as set forth.

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

JOHN STEWART ERWIN.

Witnesses:

W. L. SMITH,  
BEN FRANKLIN.