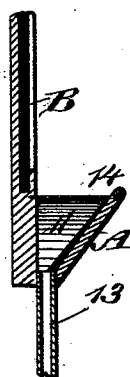
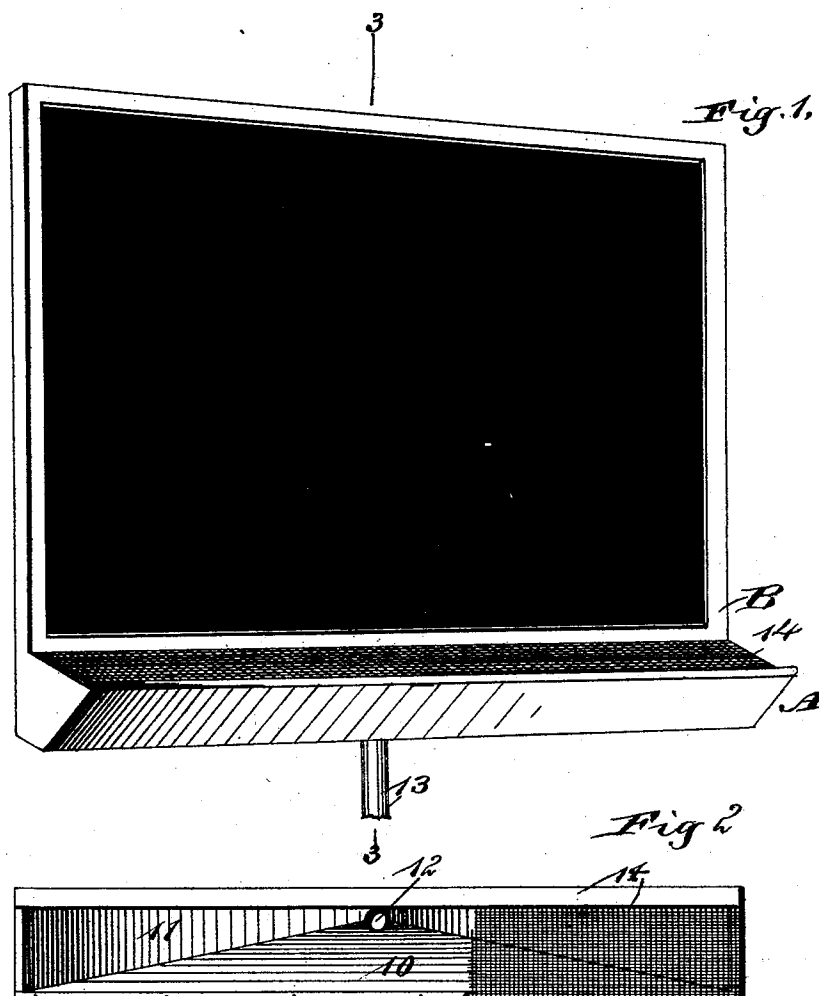


(No Model.)

W. S. TERRY.
CHALK RAIL FOR BLACKBOARDS.

No. 496,708.

Patented May 2, 1893.



WITNESSES:
J. M. Apple
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UNITED STATES PATENT OFFICE.

WILLARD STETSON TERRY, OF HILO, HAWAII.

CHALK-RAIL FOR BLACKBOARDS.

SPECIFICATION forming part of Letters Patent No. 496,708, dated May 2, 1893.

Application filed October 27, 1892. Serial No. 450,144. (No model.)

To all whom it may concern:

Be it known that I, WILLARD STETSON TERRY, a citizen of the United States, residing at Hilo, Hawaii, Sandwich Islands, have invented a new and Improved Chalk-Rail for Blackboards, of which the following is a full, clear, and exact description.

My invention relates to a chalk rail for blackboards, and has for its object to provide a device capable of being applied to any blackboard, which will support crayons or chalk when of proper length for use, but wherein useless particles and dust will leave the surface of the rail and pass to a receptacle placed to receive them, thus only preserving particles capable of use, while the dust will pass off or be concealed and will be prevented from settling on articles in the room where the board is located, and from being inhaled by persons in the room.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the blackboard having the invention applied thereto. Fig. 2 is a plan view of the board and the rail attached thereto; and Fig. 3 is a partial vertical section through the board and a vertical transverse section through the rail.

The rail consists of a hopper shaped receptacle A, which is attached securely to the bottom portion of a blackboard B, or it may constitute an integral portion of the frame of the board, the receptacle being located at the front of the board, as shown in Fig. 1. The front 10 of the receptacle inclines downward and inward, and the bottom 11, as shown in Fig. 2, inclines from each end downward in direction of the center, the outer ends of the bottom being practically flush with the upper edges of the end portions of the receptacle. The bottom slants down, as heretofore stated, to preferably a central portion of the receptacle, and where the two sides of the bottom meet, or at the lowest point in the bottom, an aperture 12, is produced, and this

aperture is surrounded by a tube 13, which may be led downward to a receptacle contained in the room in which the board is located, or the tube may be led out of doors, as in practice may be found most desirable. The top of the receptacle is entirely covered by a screen 14, the mesh of which screen is of sufficient size to permit waste particles of chalk, crayon and the like to pass through the meshes into the receptacle A, while the particles of crayon that are long enough to be properly used remain upon the screen within ready reach.

It is obvious that dust rubbed from the board, or falling from the rubber when the latter is placed upon the screen will fall downward through the screen into the receptacle, and with the loose particles of chalk or crayon above referred to will pass from the receptacle through the offtake pipe 13 to a predetermined point. By this means it is obvious that a crayon fit for use is always handily located, while the dust is carried off and does not settle upon the furniture in the room, nor do the persons in the room inhale the dust from the crayon or chalk.

The device may be decorated in any manner that fancy may dictate.

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

1. A black board provided with a receptacle having an opening in its bottom and provided with downwardly inwardly inclined walls leading to said opening, and with a screen covering the top thereof, substantially as described.

2. The combination, with the blackboard, of a chalk rail located at the bottom portion of the board, the said rail consisting of a receptacle having its sides inclined downward and inward and its bottom inclined from the ends downward in direction of the center, forming a hopper shaped receptacle having in its bottom an opening connected with an exit tube, the top of the receptacle having an apertured or reticulated covering, substantially as and for the purpose specified.

WILLARD STETSON TERRY.

Witnesses:

CHARLES E. RICHARDSON,
HENRY PORTER.