(No Model.)

W. W. ARMINGTON.

SLATE AND BLACKBOARD CLEANER.

No. 282,148. Patented July 31, 1883.

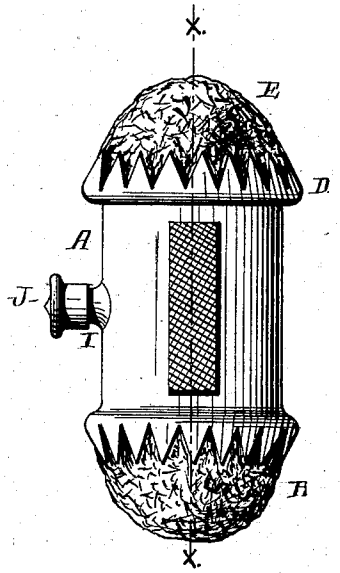


FIG. 1.

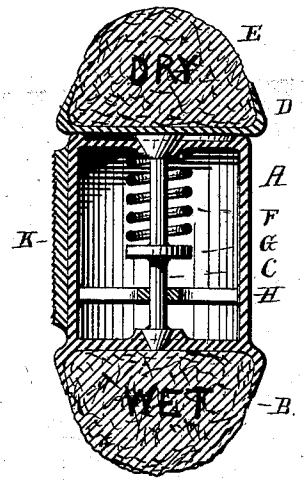


FIG. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM W. ARMINGTON, OF PROVIDENCE, RHODE ISLAND.

SLATE AND BLACKBOARD CLEANER.

SPECIFICATION forming part of Letters Patent No. 282,148, dated July 31, 1883.

Application filed September 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. ARMINGTON, of Providence, in the State of Rhode Island, have invented a new and useful Improvement in Slate and Blackboard Cleaners; and I do hereby declare that the following specification, taken in connection with the drawings making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a view of my device. Fig. 2 is a vertical section of same on line *x x* of Fig. 1.

The object of my invention is to produce an eraser for slates, blackboards, &c., which shall at the same time be more convenient and more efficient than anything of the kind now in use; and it consists in the arrangement of a dry and wet sponge with a water-chamber, from which the latter sponge can be kept moistened, as hereinafter described.

In the drawings, A, Figs. 1 and 2, is a cylinder or reservoir closed at the ends, and having attached thereto, by points bent over upon the same, or in any other desired manner, a sponge, B.

C is a rod within the cylinder A, and having attached to its projecting end a cup or socket, D, within which is secured a sponge, E. In the center of each head of the cylinder A is a small opening, suitably formed to receive and be tightly closed by the valves upon either end of the rod C.

F is a spiral spring, which is held between one head of the cylinder A and a plate or disk, G, upon the rod C, and serves to hold the valves upon the rod C in contact with their seats.

H is a transverse bar, through which the rod C works and by which it is guided.

I is a tube communicating with the interior of the cylinder and provided with a suitable screw-cap, J.

K is a metallic plate having a milled surface and attached to the outside of the cylinder.

The operation of my invention is as follows: The screw-cap J is removed and the cylinder A filled with water, when the cap is again replaced. When it is desired to erase the marks upon slate or board, the cup or socket D is raised up by the thumb and fingers, which pulls up the rod C and opens the valves at either end of the cylinder. Through the valve at the upper end the air enters, and from the valve at the lower end the water flows into the sponge B. As soon as the sponge has become sufficiently saturated to remove the marks the cup or socket D is released and the valves are brought back to their seats through the action of the spring F. The slate or board may now be rubbed over with the wet sponge B, and afterward dried with the dry sponge E. The plate K is useful to sharpen the pencil or crayon.

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

In an eraser, the combination of the cylinder A, having a sponge, B, attached to one end, with the rod C, forming a valve in the end of the cylinder, to which the sponge B is attached, a spring, F, for keeping the valve closed, and a socket or cup, D, attached to the rod at the other end, and having a sponge held therein, all substantially as herein set forth, whereby the sponge B is moistened and the moistening controlled from the socket D, and the sponge E kept dry.

WILLIAM W. ARMINGTON.

Witnesses:
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