

F. HICKMAN.
Slate-Cleaners.

No. 136,058.

Patented Feb. 18, 1873.

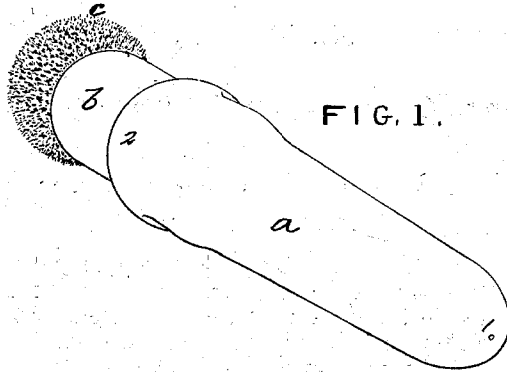


FIG. 1.

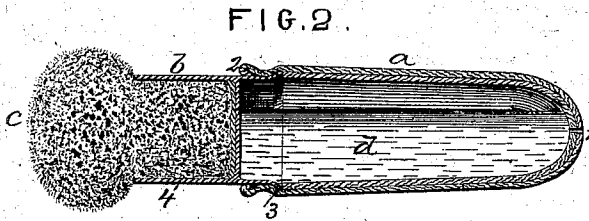


FIG. 2.

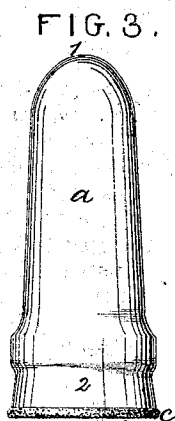


FIG. 3.

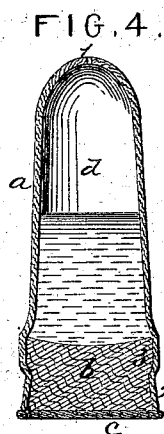


FIG. 4.

Witnesses

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FRANCIS HICKMAN, OF READING, PENNSYLVANIA.

IMPROVEMENT IN SLATE-CLEANERS.

Specification forming part of Letters Patent No. **136,058**, dated February 18, 1873.

To all whom it may concern:

Be it known that I, FRANCIS HICKMAN, of Reading, in the county of Berks and State of Pennsylvania, have invented a certain Improvement in Slate-Cleaners, of which the following is a specification:

Nature and Objects of the Invention.

This invention consists in a peculiar construction of combined washer and drier for cleaning school-slates. The improved slate-cleaner is composed of an elastic water holder and ejector of "rubber," and a dry-wiper of sponge, felt, or equivalent substance, with or without an interposed stock of wood or metal.

Description of the Drawing.

Figure 1 represents a perspective view of one form of the improved slate-cleaner; Fig. 2, a longitudinal section of the same; Fig. 3, an elevation of a second form of the improved slate-cleaner; Fig. 4, a longitudinal section thereof.

General Description.

In this slate-cleaner the means for containing and applying the water consists of an elastic holder, *a*, with a small orifice, 1, at one end, and closed at its other end by a plug, *b*. The latter may be of metal, as illustrated in Figs. 1 and 2, or of wood, and constitute a stock, more or less long; or it may be of rubber or other substance, and constitute simply a bottom for the holder and a support for the wiper *c*, as illustrated in Figs. 3 and 4. The parts may be united by means of any suitable cement; or the water-holder may be attached by springing its neck 2 over an enlargement, 3,

of the plug or stop, as in the illustrations. The water-holder *a* may be round in cross-section, and slightly tapering, with a rounded point, as in the illustrations, or of other approved form. The plug or stock *b* may be recessed, more or less, to extend the water-chamber *d*. The wiper *c* may consist of a sponge or mass of other suitable fibrous or cellular material secured in a cavity, 4, in the end of the plug or stock, as illustrated in Figs. 1 and 2; or a simple patch of felt or cloth, as illustrated in Figs. 3 and 4. In the latter form it may constitute the base of the device, as illustrated.

In operation, the water-holder is filled by suction on being collapsed, and released with its orifice beneath water. The water is discharged, as required, by compressing the holder, and the slate is rubbed and dried by means of the wiper. The plug or stock affords a firm hold for the fingers in handling the device, and in using the wiper.

Claims.

The following is claimed as new:

1. An elastic water-holder, *a*, constructed and operating as herein described, in combination with a dry-wiper, *c*, applied to the closed end thereof, for the purpose specified.
2. The improved slate-cleaner, composed of the water holder and ejector *a*, wiper *c*, and interposed stock *b*, constructed and combined substantially as described, for the purpose set forth.

FRANCIS HICKMAN.

Witnesses:

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