

(No Model.)

E. FIELDEN.
SLATE CLEANER.

No. 505,787.

Patented Sept. 26, 1893.

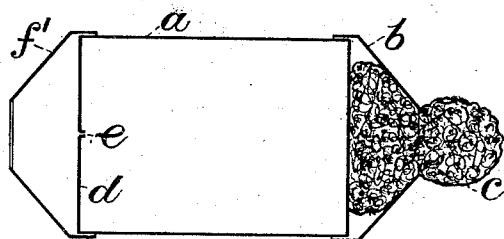


FIG. 1.

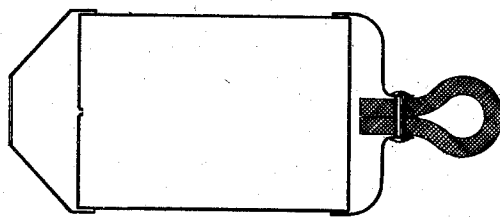


FIG. 2.

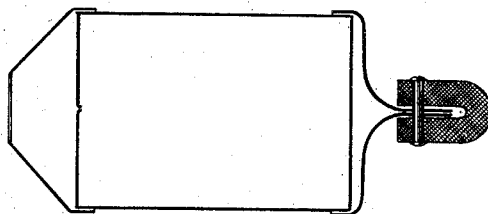


FIG. 3.

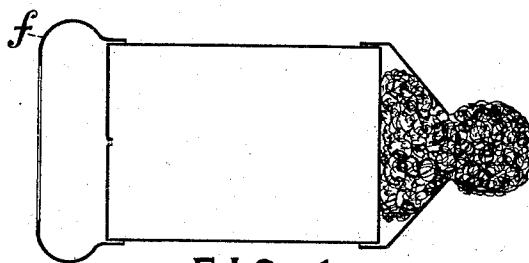


FIG. 4.

Witnesses:

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UNITED STATES PATENT OFFICE.

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SLATE-CLEANER.

SPECIFICATION forming part of Letters Patent No. 505,787, dated September 26, 1893.

Application filed May 1, 1893. Serial No. 472,530. (No model.)

To all whom it may concern:

Be it known that I, ELI FIELDEN, a subject
of the Queen of Great Britain and Ireland,
residing at No. 293 Rochdale Road, Britan-
nia, near Bacup, in the county of Lancaster,
England, have invented an Improved Slate-
Cleaner, of which the following is a specifica-
tion.

My invention relates to an improved ap-
pliance for cleaning slates or other writing
tablets as shown in the accompanying draw-
ings in which *a* is a water receptacle or reser-
voir having at one end a holder *b* into which
is pushed a sponge *c* (or a mop made of tow,
cotton waste, india rubber, or other material
suitable for cleaning slates may be used.)
There is no direct access of the water in the
receptacle to the sponge or its substitute. At
the other end of the receptacle is a diaphragm
d having one or more perforations *e* so mi-
nute that when at rest no water passes through.
When however the appliance is held in the
hand and shaken over the slate a few drops
of water are ejected whereupon by reversing
the appliance in the hand and using the other
end the slate may be cleaned.

Surrounding the diaphragm is a rim *f* or
conical jacket *f'* for retaining any excess wa-
ter. The cleaning end may be variously
shaped as shown for example in Figs. 2 and
3 where instead of sponge a bent piece of
thick cloth or felt is riveted between or over
suitable projecting parts at the end of the
water receptacle. The water receptacle *a*

may be either of rigid or elastic material. In
the latter case the water is ejected by squeez-
ing the water receptacle. I prefer however
to make it of tinned sheet iron or steel and
quite rigid.

The receptacle *a* may be variously shaped
but I prefer to make it of prismatic or cylin-
drical shape. In the latter case flats may be
formed thereon to prevent it rolling on a
smooth desk or table.

To fill the water receptacle it is necessary
to hold it at some distance say a foot or more
from a water cock so that the falling jet of
water may fall directly on the perforated dia-
phragm. The falling jet of water may be
obtained by holding a lipped water vessel in
one hand and allowing a stream of water to fall
onto the diaphragm while the appliance is
held in the other hand at some distance below.

Having now described my invention, what
I claim as new, and desire to secure by Let-
ters Patent, is—

A cleaner for slates and writing tablets pro-
vided with a water receptacle, a mop at one
end thereof and a perforated diaphragm and
raised water retaining jacket at the other,
substantially as set forth.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

ELI FIELDEN.

Witnesses:

I. S. BURGESS,
JOHN HALL.