

*J. Edson,
Scrubber.*

N^o 76,610.

Patented Apr. 14, 1868.

Fig: 2.

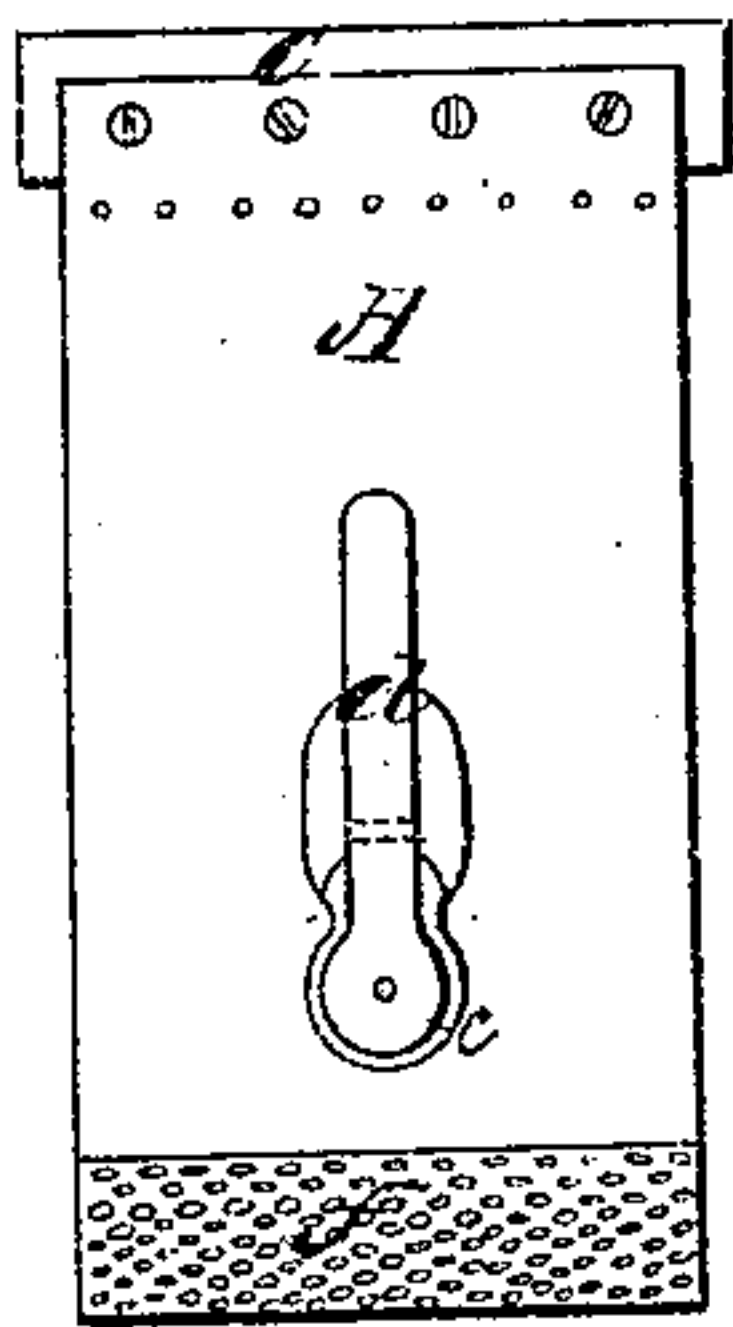


Fig: 1.

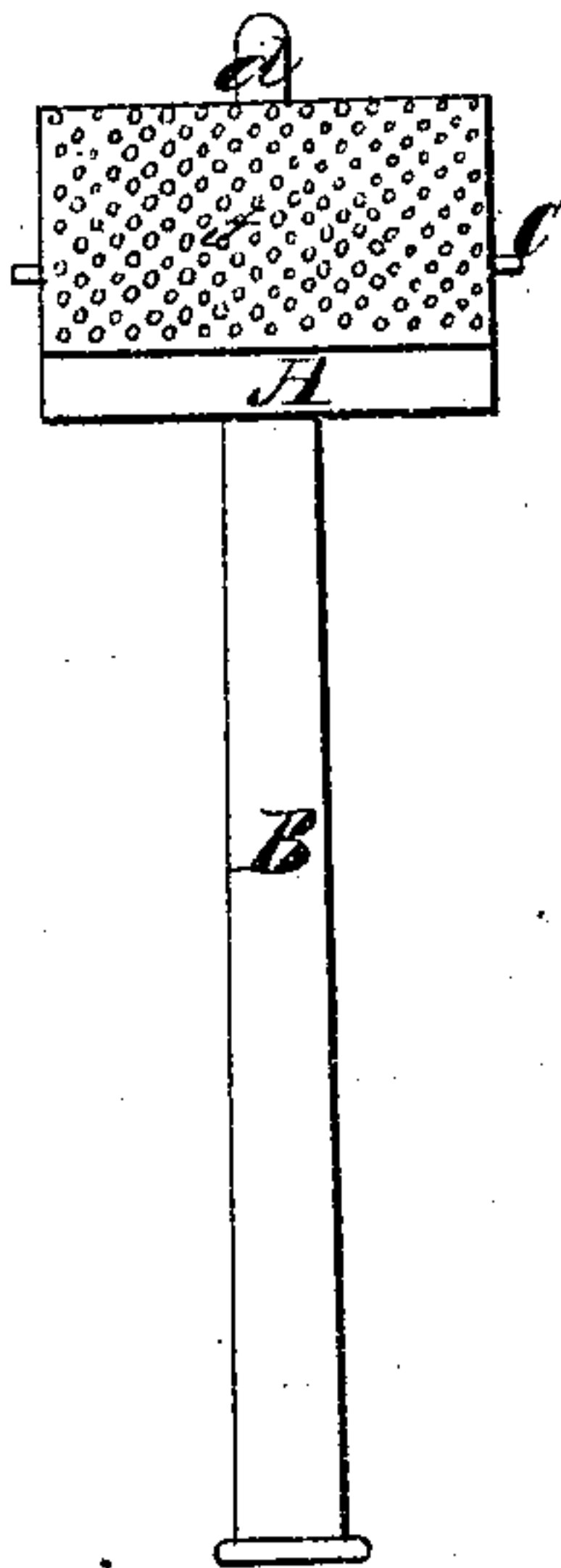


Fig: 3.

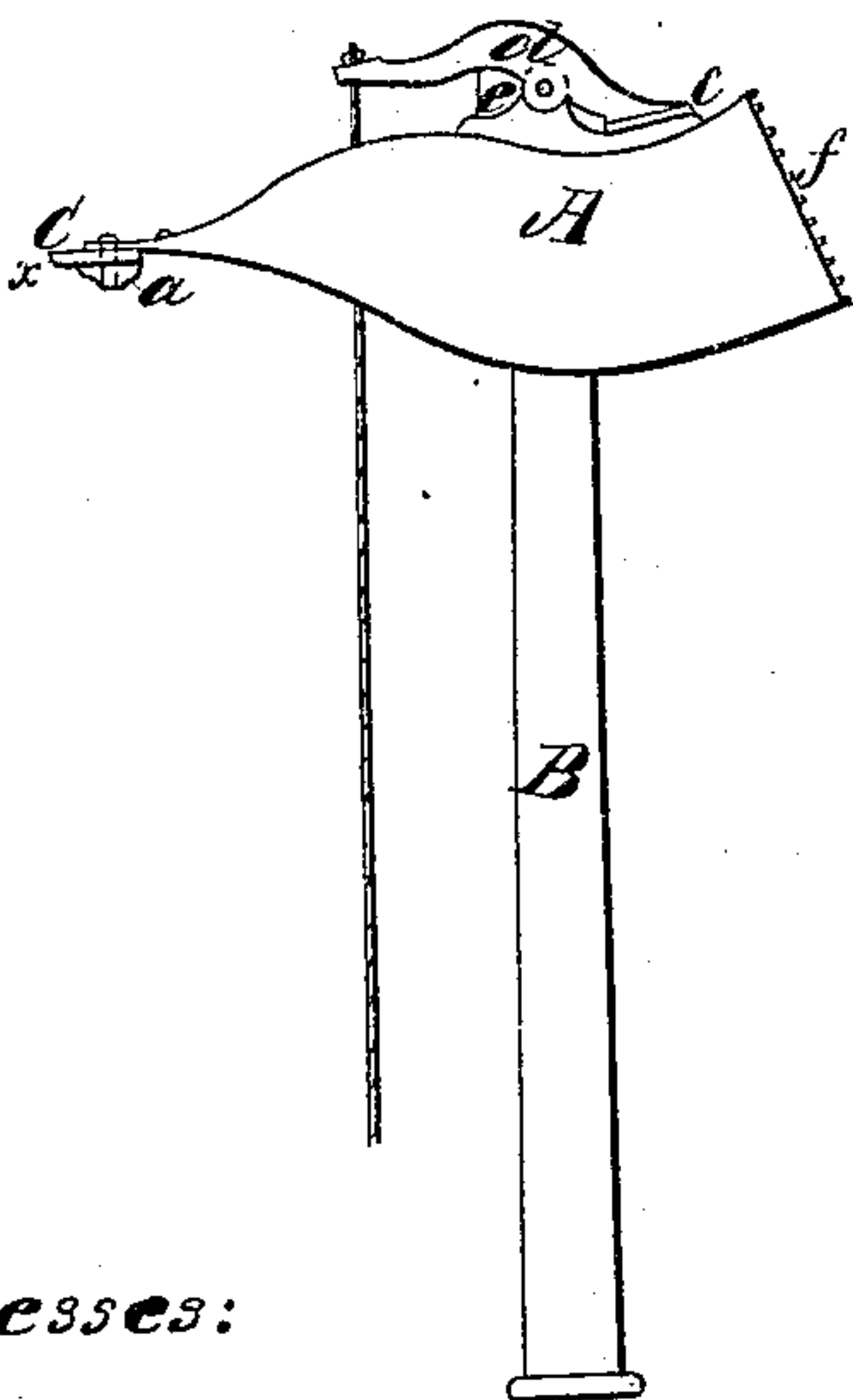
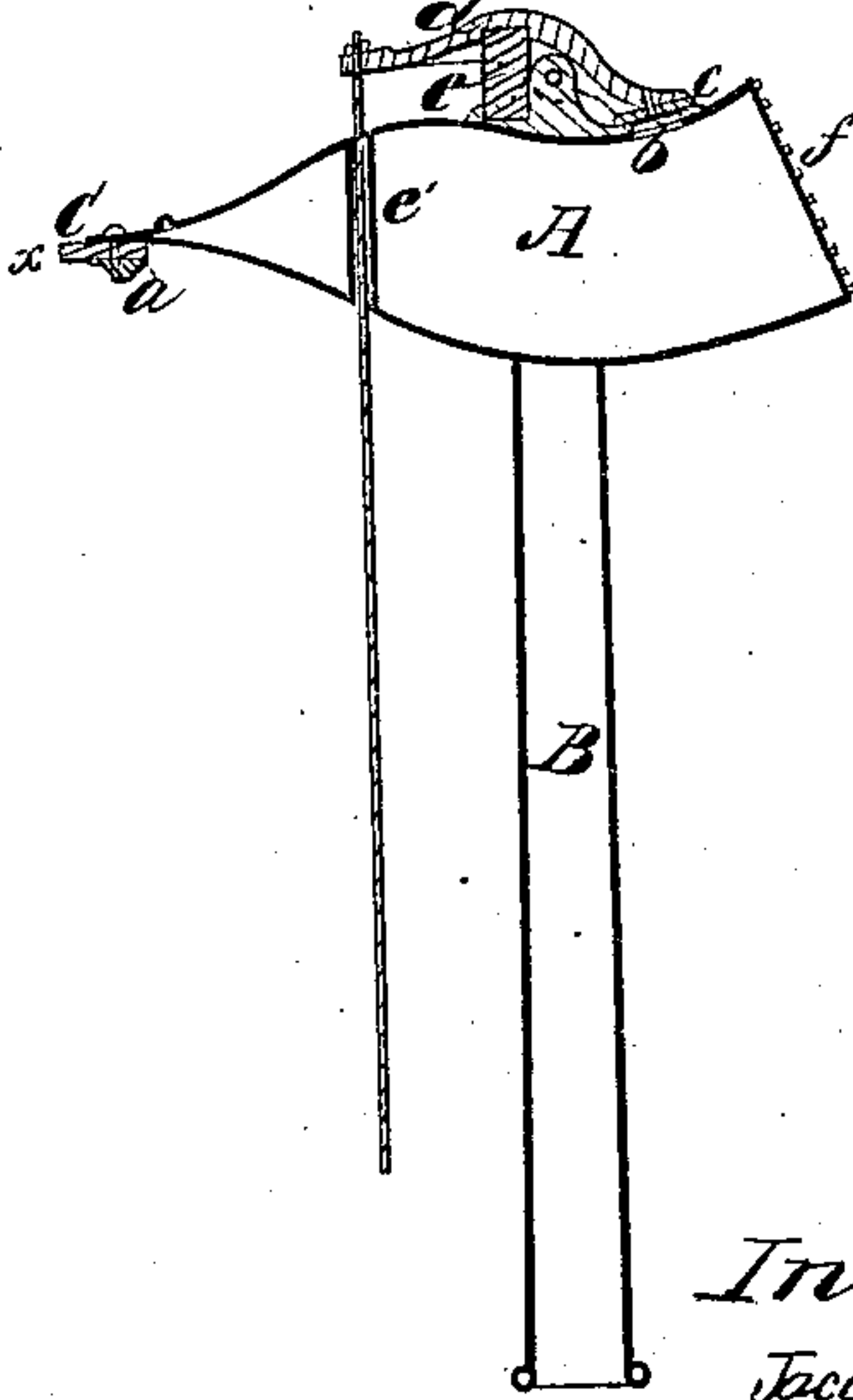


Fig: 4.



Witnesses:

*S. N. Piper.
Lauritz Moller*

Inventor:

Jacob Edson

by his attorney

R. H. Eady

United States Patent Office.

JACOB EDSON, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 76,610, dated April 14, 1868.

IMPROVED SCRUBBER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, JACOB EDSON, of Boston, in the county of Suffolk, and State of Massachusetts, have invented a new and useful Machine or Article for Washing or Cleaning Surfaces; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view,
Figure 2 a front elevation,
Figure 3 a side elevation, and
Figure 4 a vertical and longitudinal section of it.

In such drawings, A denotes a box, whose shape, in vertical section, approximates to that of a triangle, such box being fixed to the end of a long handle or socket, B, thereof, and arranged therewith in manner as represented in the drawings.

To the lower edge of this box or reservoir a strip, C, of leather or vulcanized India rubber is connected by screws going through it, a metallic bar, *a*, and the nose or lower part of the reservoir. Such strip is to project a short distance beyond the box, and be grooved along its lower edge, as shown at X, in which case it will operate better than if it were without any such groove.

The grooving of the strip on its edges renders it very much better for cleaning a pane of glass than it would be without the groove, as the groove will hold the water, and its opposite edges will adapt themselves to the surface, the rubber above such groove having sufficient rigidity to enable them to do so.

Furthermore, a series of fine holes, *x*, is made through the lower part of the front side of the box, and just over the strip of rubber.

There is also an opening, *b*, through the upper part of the front side of the box, such opening being provided with a valve, *c*, applied to a lever, *d*, hinged to the box, and provided with a spring, *e*, to keep the valve closed on its seat, the whole being arranged as represented.

A tube, *e'*, extends laterally through the box, and opens through its sides, and is to receive a cord or line, which, after having been passed through the tube, is to be fastened to the free end of the lever, and is to continue to the end of the handle of the implement.

To the upper end of the reservoir I usually solder or affix a plate, *f*, perforated with holes like a nutmeg-grater, the burrs of the holes being outward.

To use the implement, the box or reservoir is first to be plunged into water, and the valve opened to allow the reservoir to fill with the fluid, after which the valve should be closed. Next, the lower edge of the strip of rubber is to be laid on the floor or surface to be washed, and the implement should be moved thereon, forward and backward. The water of the reservoir will gradually run out of the discharging-holes and upon the strip of rubber and the surface to be cleaned, and will aid in effecting the cleansing thereof.

Should the water not ooze fast enough from the holes, the valve may be opened so as to allow the atmosphere to enter the reservoir, whereby the discharge will be facilitated or increased.

By raising the valve, and introducing a towel or pieces of paper or cloth between the valve and its seat, so as to clamp such towel, paper, or cloth to the reservoir, and next folding the towel, cloth, or paper over the roughened or burred surface of the plate *f*, such towel, paper, or cloth may be used to wipe the surface washed, the burrs of the plate operating to hold the cloth or paper to the reservoir.

The above-described apparatus will be very useful for washing the panes of windows, as well as for washing a floor.

I make no claim to the scrubber and tender shown in the Patent, No. 54,482, dated May 8, 1866.

Besides the valve and its seat-opening applied to the tender or water-holder, I have a series of fine holes, as seen at *x*, made through the front side of the box, and just over the strip of rubber, such being to enable the water to weep slowly out of the box and upon the rubber strip, when the apparatus is in use, the water being held in the box by atmospheric pressure. This is a great advantage.

I therefore claim the combination and arrangement of a series of fine holes made in the reservoir, as described, with such reservoir, the strip of rubber and the valve and valve-opening applied to the reservoir, as set forth.

I also claim the arrangement and combination of the burred plate with the reservoir, when the latter is provided with a valve D, and a strip of rubber arranged as set forth.

I also claim the combination and arrangement of the guide-tube *e'* with the reservoir, provided with a cleaning-strip, and a valve and valve-operating lever, and holes of admission and emission, arranged as set forth.

JACOB EDSON.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.