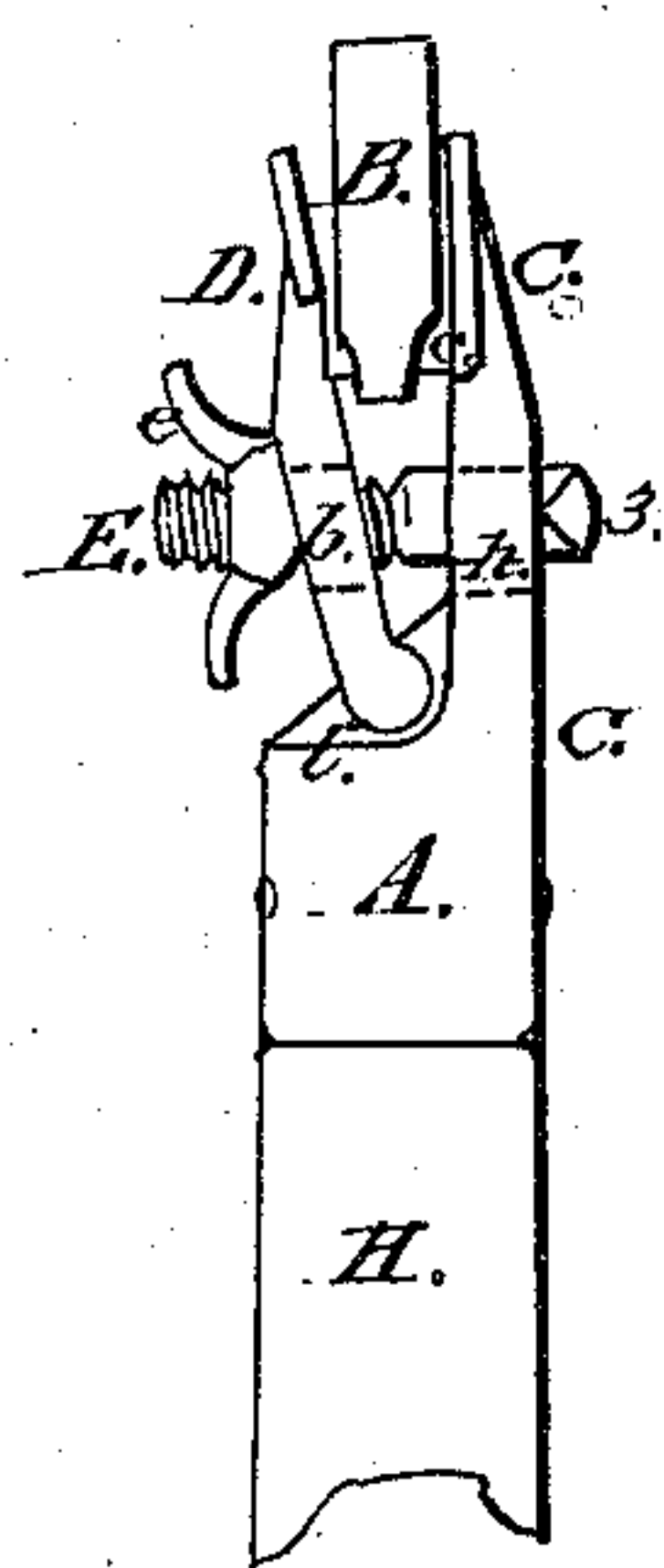
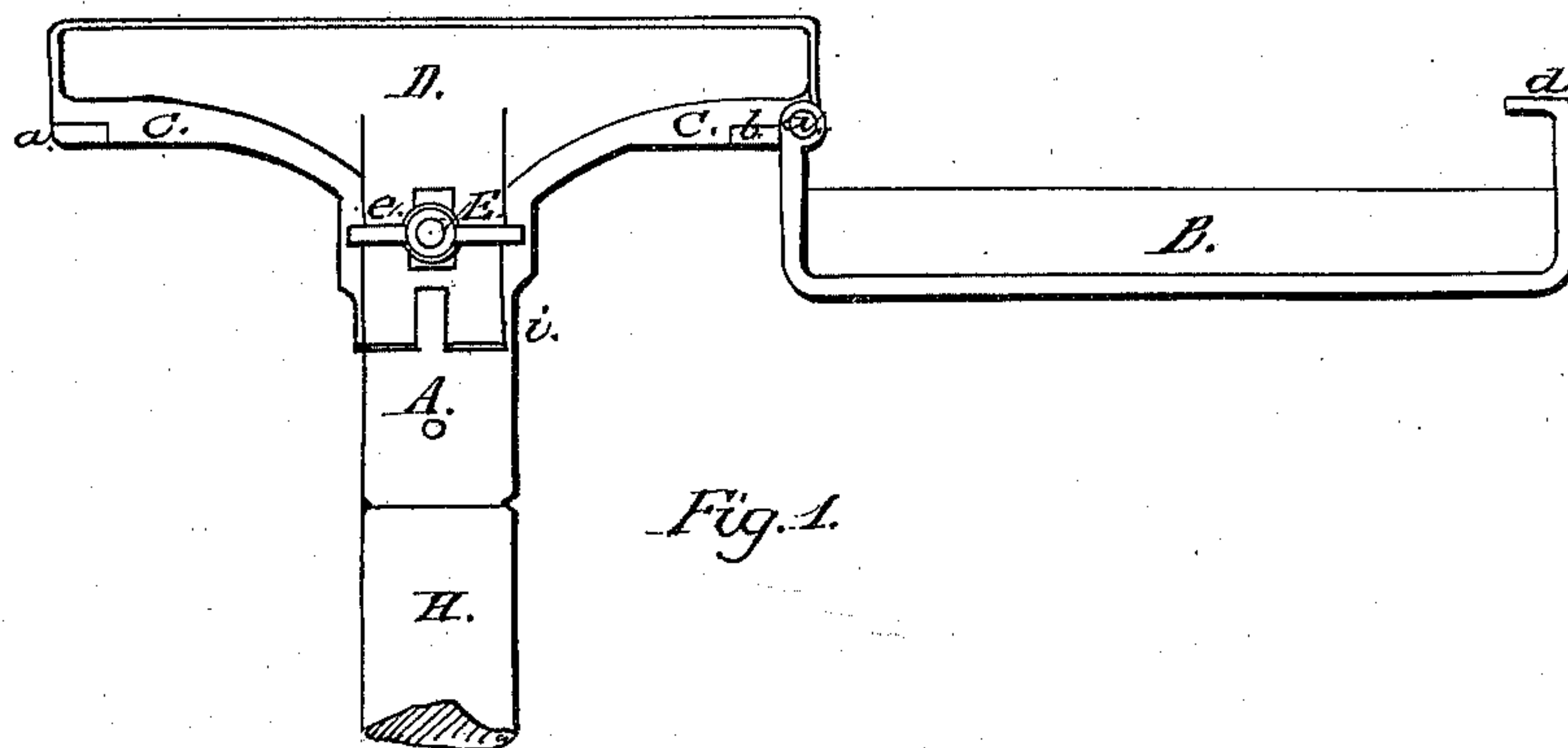


G. E. Brettell.

Moyn Head.

Nº 90,153.

Patented May 18, 1869.



Witnesses:
Charles A. Chapin
Thos. S. Grover

Inventor:
George E. Brettell

United States Patent Office.

GEORGE E. BRETTELL, OF ROCHESTER, NEW YORK.

Letters Patent No. 90,153, dated May 18, 1869.

IMPROVED MOP-HEAD.

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

To all whom it may concern:

Be it known that I, GEORGE E. BRETTELL, of Rochester, in the county of Monroe, in the State of New York, have invented a new and improved Mop-Head; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical front view, showing the position of the several parts previous to the insertion of the mop-cloths.

Figure 2 is a vertical side view, showing the position of the several parts as they are while holding the cloths.

To the mop-heads which are now generally used, there are many objections raised. One is that the cloths have to be drawn through a narrow opening, and then evenly arranged previous to fastening them in; another is, that the working-parts are generally composed of castings which cannot be or are not finished, so that they work hard, and the cloths are not held firmly, or they are with difficulty taken out.

The object of this invention is to overcome these objections.

To enable others to make and use my invention, I will describe its construction and operation.

I provide, in one piece, the sleeve A and the stationary jaw C C.

I also provide the movable jaw D, the cloth-bar B, the screw E, and the thumb-nut e.

The jaws C C and D are each provided, at h, with a slot of sufficient size to receive the screw E, which is provided with a head, or its equivalent, f, to prevent the screw from being drawn through the slot in the jaw C C.

The movable jaw D is hinged loosely upon the stationary jaw C C, at i.

The movable jaw D is operated by the screw E and thumb-nut e.

The bar B hinges upon the pivot c. It is prevented from swinging open any further than the position shown by the projection b, fig. 1.

The cloths are laid upon the bar B, which is then brought to the position shown in fig. 2, between the open jaws, the hooked end d of the bar being placed behind the projection a, which, when the jaws C C and D are closed, prevent the bar B from being moved from its position.

By this means, the cloths are held firmly and securely. The screw E and thumb-nut e being properly fitted, insure their always working easily.

The screw E and nut e may be made of brass, (being light,) or other suitable material, to prevent them from rusting.

The bar B may be so arranged as to be detached, to place the cloths upon, by providing two hooked ends, similar to the end d, and two projections similar to a, instead of the projection a and pivot c.

The handle H is driven into the sleeve A, and secured by a rivet.

Claim.

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

The combination of the jaws C C and D with the cloth-bar B and screw E, nut e, and sleeve A, when constructed and arranged substantially as described.

GEO. E. BRETTELL.

Witnesses:

CHARLES A. CHAPIN,
THOS. S. GROVER.