

No. 706,244.

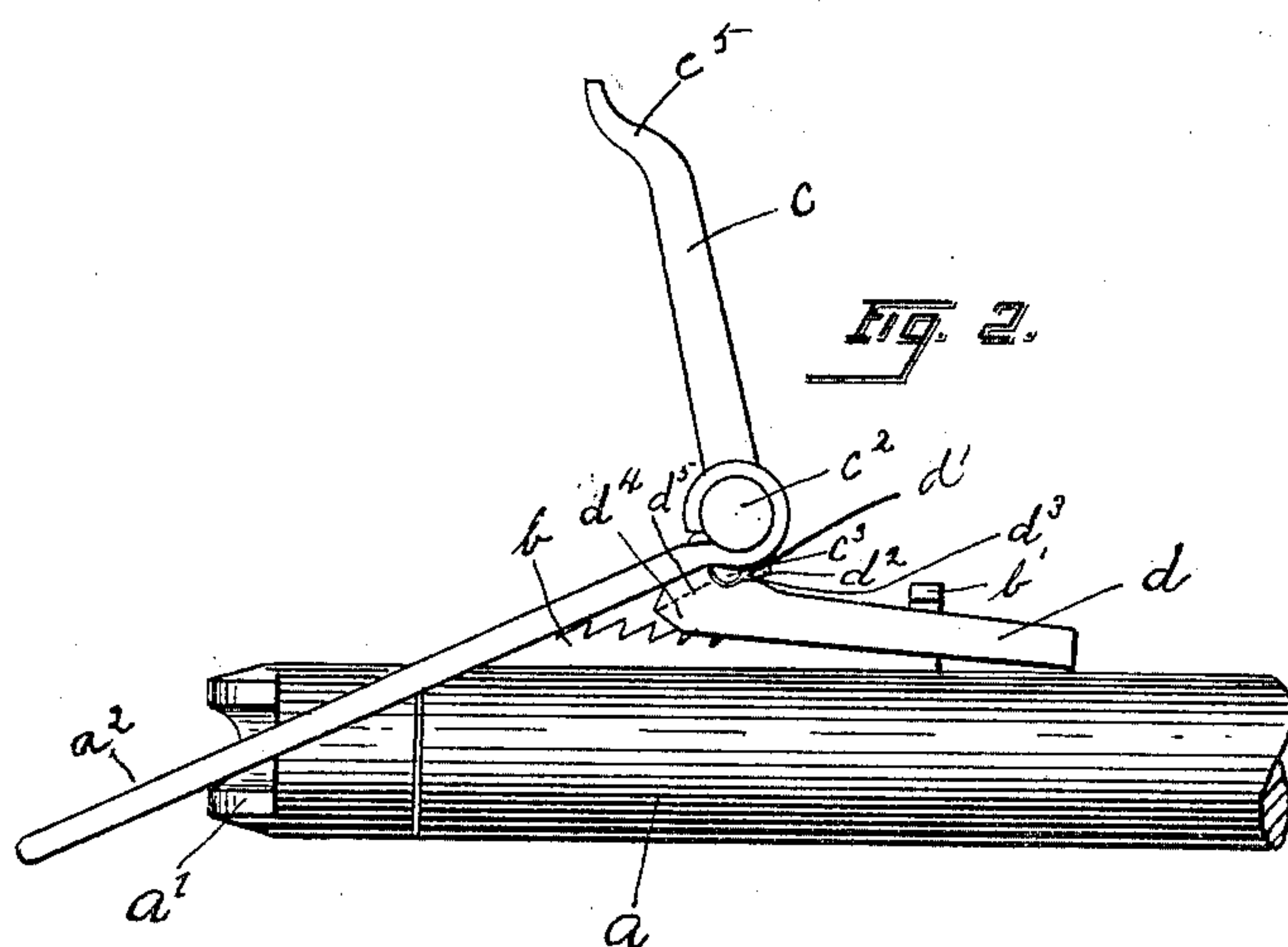
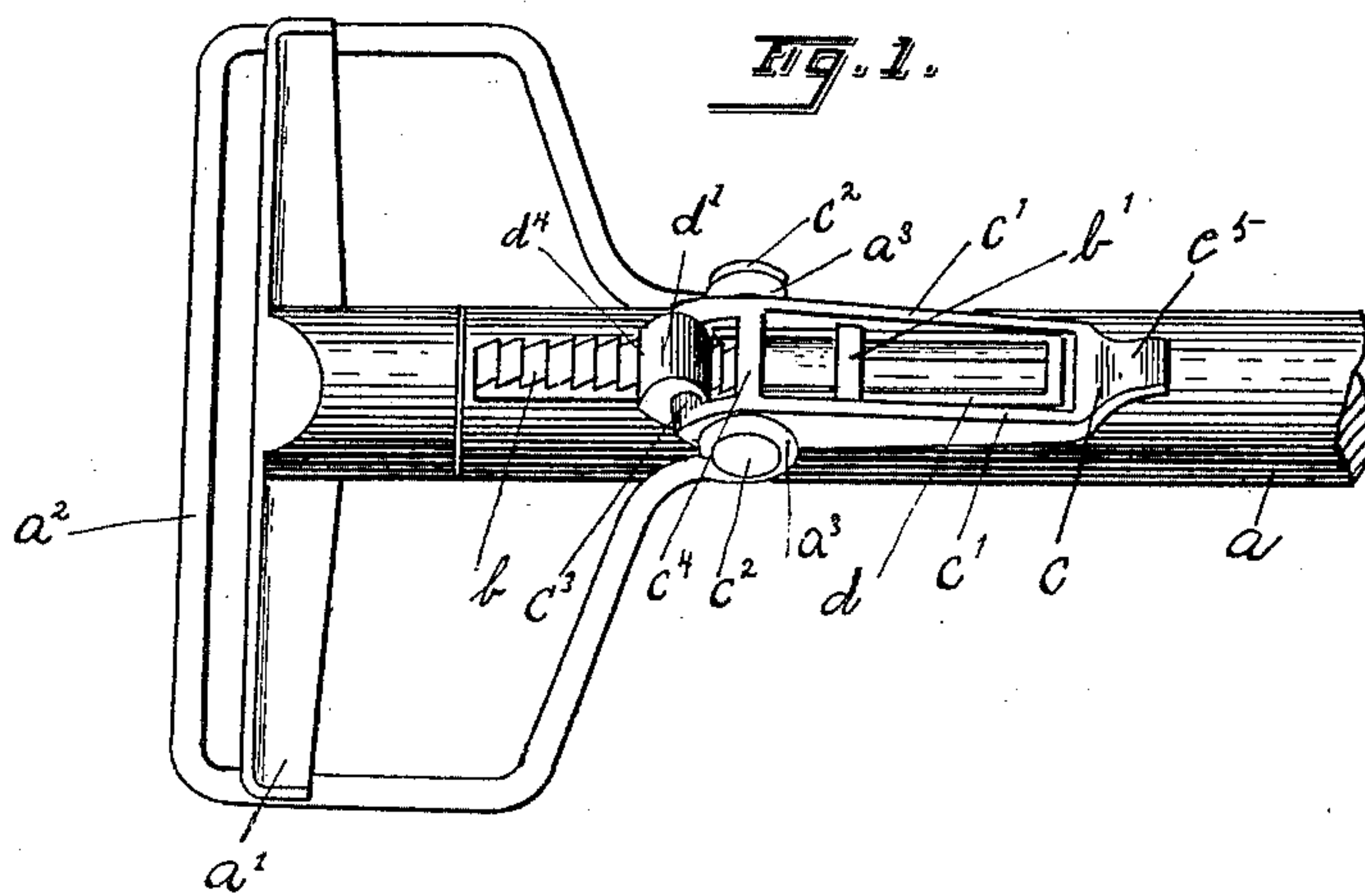
Patented Aug. 5, 1902.

J. C. LOOK.

MOP HEAD.

(Application filed May 23, 1900.)

(No Model.)



WITNESSES:

W. R. Daniels.

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UNITED STATES PATENT OFFICE.

JOHN C. LOOK, OF TUDOR, CALIFORNIA.

MOP-HEAD.

SPECIFICATION forming part of Letters Patent No. 706,244, dated August 5, 1902.

Application filed May 23, 1900. Serial No. 17,704. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. LOOK, a citizen of the United States, residing at Tudor, county of Sutter, State of California, have invented a new and useful Improvement in Mop-Heads, of which the following is a specification.

The object of the improvement is to provide a mop-head of strength and durability and ease of operation. This is accomplished by combining well-known principles in mop-heads and in employing new parts to facilitate the operation of the well-known principles.

A well-known principle in mop-heads is notches on the clamp or handle whereby the clamp is run up to tighten the mop-cloth. Another well-known principle is a movable snap-lever to which the clamp is attached. The combination of these two principles and a new principle consisting of a sliding pawl gives ease in operation and great holding power.

In the drawings, Figure 1 is a perspective view of the mop-head in a closed position. Fig. 2 is a side view of the mop-head in an open position.

a is the mop-handle; a' , the clamp-head; a^2 , the clamp; b , the notches or ratchet on the handle; c , the lever, and d the sliding pawl between the ratchet and lever. The ratchet b is fastened to the handle in any of the well-known ways, and the other parts are held in place by virtue of said fastening. The lever c is made in an oblong square, having parallel sides c' c' and a slot between and lugs c^2 c^2 on each side for attaching the bail a^3 of the clamp a^2 . At one end is a fulcrum-bar c^3 , which fits in a box d' of the pawl. This box d' is formed by closing the apron d^2 over the fulcrum-bar c^3 . The apron is first made with the opening d^3 large enough for inserting the fulcrum-bar and then closed down. The pawl d has also parallel sides, which fit inside of the slot in the lever c' . The pawl is also slotted, having parallel sides within. The end d^4 of the pawl is formed outside and inside to fit in the notches on the ratchet b . (See dotted line d^5 , Fig. 2.) The box d' is located above the range of notches on the ratchet b . Within the slot of the pawl is the ratchet b . This is inserted before attaching to the handle. It has parallel sides as high as the notches, and

the end b' rises above and extends out over the sides of the pawl. This retains the pawl in place; but the said extension does not extend to or interfere with the sides of the lever c . This gives the lever c free play vertically.

The cross-bar c^4 is to prevent the lever c from spreading.

The operation is as follows: The mop being closed, as in Fig. 1, the lever c is grasped by the raised extension c^5 and raised up, as in Fig. 2, the pawl d remaining, as shown, it being held by the retainer b' of the ratchet. The lever c is still further drawn away from the handle, which draws the pawl out of the notches, and the connection is moved forward as far as desired. This opens the clamp a^2 for the insertion of the mop-cloth, after which the connection is moved back and the lever put down.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a mop-head, a handle provided with a clamp-head and with a ratchet, a pawl adjustably connected with the ratchet, a lever pivoted to the pawl at the end thereof engaging the ratchet and on the same side of the handle as the ratchet, and a clamp device pivoted to the lever.

2. In a mop-head, a handle provided with a clamp-head, a ratchet-bar on said handle, a pawl movable longitudinally along said ratchet-bar and having a body extending along the handle on the same side thereof as the ratchet-bar, means for maintaining the body of said pawl substantially parallel with the said ratchet-bar when in engagement, a lever pivoted to said pawl, and a clamping device pivoted to the lever.

3. In a mop-head, a handle provided with a clamp-head, a ratchet-bar on said handle having a retainer, a pawl movable longitudinally along said bar, its body portion being retained between said handle and retainer, a lever pivoted to said pawl, and a clamping device pivoted to the lever.

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Witnesses:

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