

C. B. CLARK.
Mop and Brush Holder.

No. 167,304.

Patented Aug. 31, 1875.

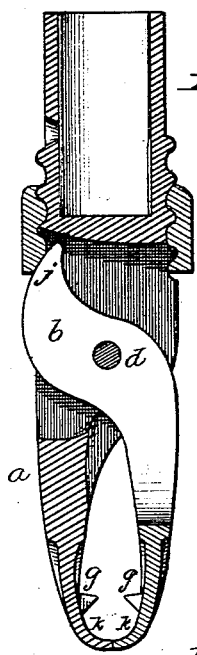
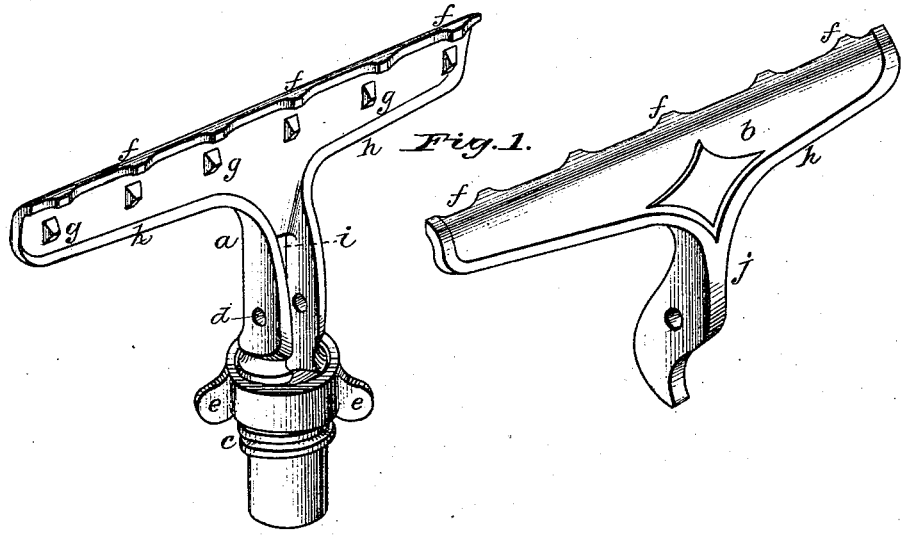


Fig. 2.

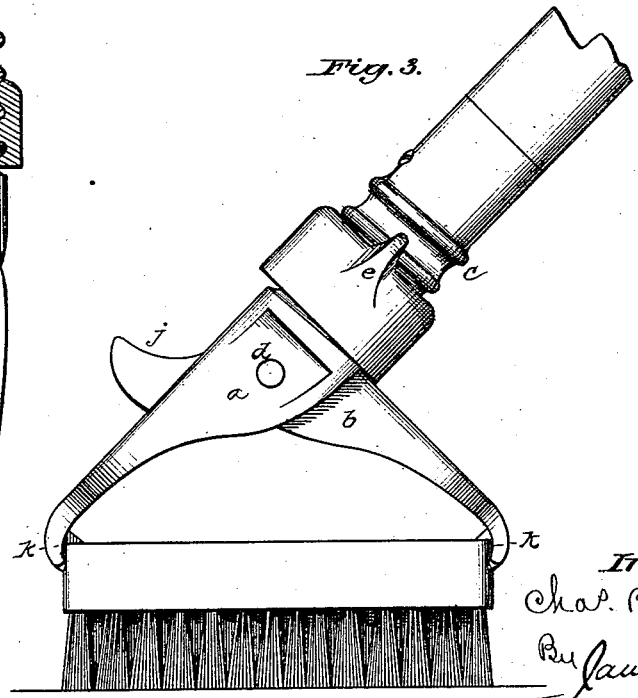


Fig. 3.

Witnesses:
Geo. H. Graham.
J. S. Coombs

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UNITED STATES PATENT OFFICE.

CHARLES B. CLARK, OF BUFFALO, NEW YORK.

IMPROVEMENT IN MOP AND BRUSH HOLDERS.

Specification forming part of Letters Patent No. 167,304, dated August 31, 1875; application filed August 4, 1875.

To all whom it may concern :

Be it known that I, CHARLES B. CLARK, of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Combined Mop and Brush Holder, of which the following is a specification:

My invention relates to that class of holders in which the mop-cloth or brush is clamped by means of a pivoted jaw shutting against a fixed jaw, to which is attached the ordinary wooden handle.

The object of my improvement is to construct a device that shall effectually clamp and hold either a mop-cloth or brush, as may be desired, and to have the requisite strength so proportioned as to form a light, compact, and symmetrical article, and capable of being readily and easily adjusted.

My invention consists in providing the arm of the hinged jaw with a curved extension or lever, upon which a thumb-nut, traversing the screw of the fixed jaw, presses with sufficient force to clamp the jaws together, and in such manner that the said thumb-nut will overlap or inclose the end of said curved lever in such manner that there will be no projecting point or points which are liable to interfere with the perfect working of the mop.

In the accompanying drawings, Figure 1 represents a perspective view of my invention; Fig. 2, a vertical section of the same, and Fig. 3 a view showing the manner of holding the brush in position.

The fixed jaw *a* terminates in a socket, *c*, which has on its exterior a screw-thread, and carries a thumb-nut, *e*. The hinged jaw *b* is pivoted to the shank of the fixed jaw *a*, through the mortise *i*, by the rivet *d*. As shown in Fig. 1, the jaws *a* and *b* are closed by means of the thumb-nut *e* rotating upon the screw-shank, and pressing upon the curved portion of the lever *j*. This lever is an extension of the arm of the jaw *b*, and being placed upon the same plane, and above the fulcrum *d*, the inner surface of the nut *e* is forced over its outer portion, and exerts a great pressure upon the jaws, while the friction against the inner surface of the nut *e* holds it secure in its place. This method of holding is also very compact, there being no projections to hinder

the perfect working of the holder, as the curved lever is depressed within the mortise of the shank. The jaws *a* and *b* are concave on their inner sides, as at *k k*, in order to give ample room for clamping the mop-cloth or brush, and at the same time strengthening the jaws. Each of said jaws is provided with an upper and a lower row of teeth or projections, *f g*. The upper teeth *f* are curved, and, fitting into each other, serve to bind and hold the cloth firmly, and they are further assisted by the lower teeth *g*, which shut together at their points. When used as a brush-holder the outer teeth clamp, while the back of the brush rests against the inclined surfaces of the lower teeth, as shown in Fig. 2. Ribs *h h* extend around both the inner and outer sides of the curved portions of the jaws *a b*, and act as braces to strengthen the clamping parts. By the use of these ribs a saving of material is effected without decreasing the strength, as it is desirable to have the holder light and portable.

The several parts of my improved holder are easily cast, and require no drilling, as the rivet-holes are made in the process of molding, and, the parts being light and well proportioned, I am enabled to produce a strong and superior article, while the cost of the production is much less than in mops of this particular class as heretofore constructed.

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

The combination, with the fixed jaw *a*, having a slotted screw-threaded shank, *i*, and a thumb-nut, *e*, applied thereto, of the movable jaw *b*, pivoted within said slotted shank, and having its rear end constructed with a lever, *j*, on which the nut operates, so that said rear end is encircled by the nut, and forced to enter the slot by tightening said nut, substantially as and for the object specified.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

CHARLES B. CLARK.

Witnesses:

A. H. NORRIS,
C. C. PENN.