

(No Model.)

W. N. COOK.
MOP HEAD.

No. 497,292.

Patented May 9, 1893.

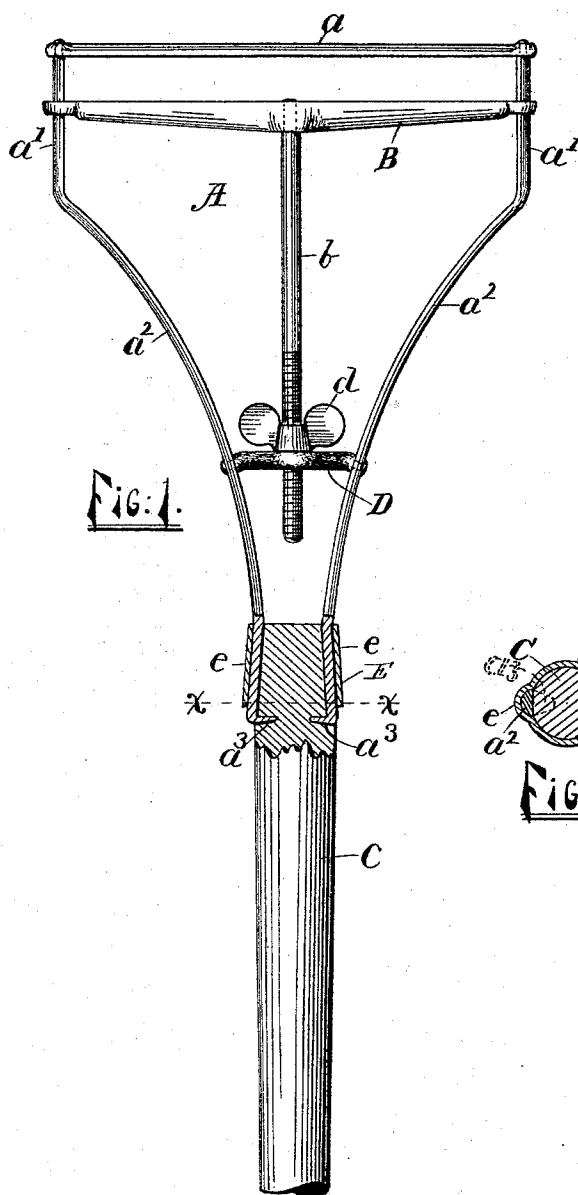


Fig. 1.



Fig. 2.

WITNESSES:

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WILLIAM N. COOK, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR OF ONE-HALF
TO DENNIS L. ROGERS, OF SAME PLACE.

MOP-HEAD.

SPECIFICATION forming part of Letters Patent No. 497,292, dated May 9, 1893.

Application filed September 5, 1891. Serial No. 404,888. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM N. COOK, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Mop-Heads; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a mop head, more particularly to the class of mop heads, having a clamp for a mop cloth, on the end of a handle, and relates especially to a particular method of construction, and means of attaching a particular form of clamp, to the handle; and consists in the construction, combination and arrangement of the various parts herein-after described, and particularly pointed out in the claims, reference being had to the accompanying drawings, wherein—

Figure 1. represents a plan view partly in section of a device embodying my invention and Fig. 2. a cross section of the same on the line $x-x$ of Fig. 1.

A. represents the frame, collectively; having the end a . and sides a' . a^2 . is firmly secured to the wood handle C. stationary, and has the movable jaw B. and its adjusting devices attached to and arranged substantially within it. The end portion, a . placed at right angles to the handle forms the stationary jaw: straight side portions a' . a' . passing through perforated opposite ends of the movable bar B. guide and support the same, and their curved extensions a^2 . a^2 . are pointed at their ends inwardly bent and firmly driven into the handle C. at some distance above the lower end as shown at a^3 . a^3 . and are firmly secured to said handle by the encompassing band or ferrule E. having lateral extensions e . e . for their accommodation, and placed around the end of said handle below said inwardly driven points; thereby forming a very effective and secure method of attachment. The cross bar, D. secured between a^2 . a^2 . (curved portions of frame A. aforesaid) at some distance from the end of the handle, is perforated to permit the threaded end of the stem b to move therein freely and forms a bearing for the thumb nut, d .

The bar B. forming the movable jaw, has

its ends perforated for the sides, a' . a' . is movable freely thereon, and has the threaded stem b . and thumb nut d engaging the bar, D. for adjustment.

In opening the mop to receive the mop cloth, the nut d is turned in the proper direction thereby causing the movable jaw B. to recede from stationary jaw a and the threaded portion of the stem b to pass through the aperture in the bar D the end of the stem approaching the lower end of the handle C which is solid: when the lower end of stem b has reached the end of handle C. the jaws of the mop are opened to their widest limit: hence the bar D must be placed at a distance in front of the end of handle C. about equal to the distance between the jaws a and B. when opened to their widest limit. When the mop cloth is inserted between the jaws, they are closed, and the cloth held firmly between them by turning the nut d which engages the bar D as will be readily seen from inspection of the drawings: this frame secured to the handle in this manner is not easily detached and the whole forms a serviceable implement the utility of which is obvious.

The utility of the article is obvious.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. As an improved article of manufacture, a mop head, consisting of the frame A. having portions, a . a' . a' . and the portions a^2 . a^2 . rearwardly extended and having their lower portions placed one upon each side of and rigidly secured to handle C. by encompassing ferrule E. the movable jaw B having its ends perforated for receiving and inclosing the portions a' . a' . and movable freely thereon and having a stem b . having a threaded lower portion and provided with a hand nut d . and the bar D. having an aperture, through which the threaded portion of the stem b . passes freely connecting the two portions a^2 . a^2 . and placed at such distance in front of the end of handle C. as about equals the distance between the jaws a and B when opened to their widest limit, substantially as set forth.

2. In a mop head, the combination with handle C. of frame A. having end portion a . forming the stationary jaw, and side portions connecting the same to the handle having their upper ends inwardly bent, and inserted into

handle C. upon opposite sides, at some distance from the lower end, parallel portions in contact with opposite sides thereof, ferrule E. having lateral extensions *e. e.* encompassing
5 said handle, and said upper portions of said frame, below said inwardly bent and inserted points, and the adjustable bar B arranged parallel to said stationary jaw, having threaded stem *b* provided with adjusting nut *d.* and

forming the adjustable jaw, substantially as is set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM N. COOK.

Witnesses:

DENNIS L. ROGERS,
LUTHER V. MOULTON.