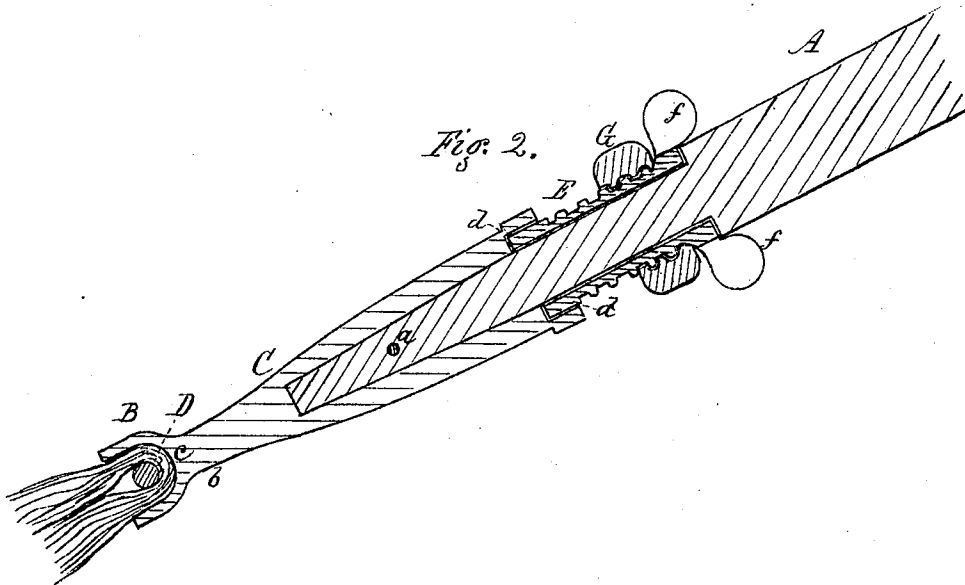
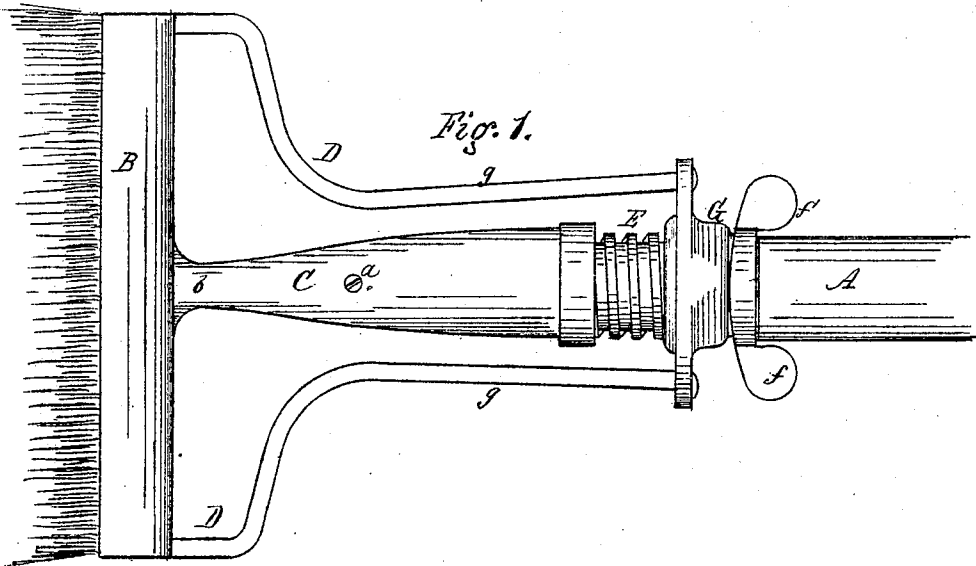


J. H. HOOD.

Improvement in Mop-Heads.

No. 132,580.

Patented Oct. 29, 1872.



Witnesses.  
Archie Daine  
Charles Engel

Inventor:  
John H. Hood,  
per R. F. Osgood,  
atty.

# UNITED STATES PATENT OFFICE.

JOHN H. HOOD, OF DANSVILLE, NEW YORK.

## IMPROVEMENT IN MOP-HEADS.

Specification forming part of Letters Patent No. 132,580, dated October 29, 1872.

To all whom it may concern:

Be it known that I, JOHN H. HOOD, of Dansville, in the county of Livingston and State of New York, have invented a certain Improvement in Mop-Heads, of which the following is a specification:

My invention consists of a mop-head constructed and arranged as hereinafter described.

In the drawing, Figure 1 represents an elevation of my improvement; Fig. 2, a section.

A represents the handle; B, the cross-head; C, its shank; D, the wire-clamp; E, the screw; and G, the nut; which parts correspond with the same as in ordinary mops. The shank C is made hollow to admit the end of the handle, which is secured by a screw or rivet, *a*, and it gradually tapers down to a narrow neck, *b*, where it joins the cross-head. The latter, instead of being made with a small groove in its face, as usual, is made in the form of a half circle in cross-section, as shown at *c*, into which the wire-clamp D strikes deep to clasp the mop-stuff in place. In this respect it differs from ordinary mops, as the shreds will thereby be perfectly doubled, so as to entirely hide and shield the wire, as clearly shown in Fig. 2. This doubling of the shreds fastens them securely in place, so that in wringing the action will not draw them toward the center to displace them; neither in mopping will the shreds be drawn out endwise. Furthermore, the half-circular form of the cross-head serves as a broad guide in moving the mop over the floor. This construction of the cross-head and its shank forms one of the novel elements of my invention. The upper end of the shank has its socket fitted true, and in this rests a bearing or head, *d*, which is formed on the end of the screw. The body of the screw, being hollow, rests and turns on the depression of the handle, and it is turned by the thumb-pieces or ears *f f*. The forming of the bearing or head *d* upon the end of the screw and its resting within the socket of the shank also forms a part of my invention, as heretofore the end of the screw has rested or abutted against the end of the shank without entering it, in which case it is subject to wobbling and irregular action and cannot be made

to run true. By resting the bearing inside the socket it always runs true, so that the mop can be easily clamped or unclamped, and no binding of the screw in turning can occur, while at the same time the strength is greatly increased.

Another feature in my invention consists in bending or turning the ends *g g* of the wire-clamp around parallel, or approximately so, to the handle, above the cross-head, and extending them a considerable distance upward before they are connected with the nut G, by which means said ends form a hold for the grasp of the hand in wringing. One hand grasps the mop-head around these wires, while the other grasps the mop-stuff; in which case the mop can be wrung with greater facility and with much greater power than in the old way, where both hands grasp the mop-stuff alone, since the wires furnish a better and more secure hold.

In the old mops of this style the wires are bent in close over the iron-head, extending but a little way up, and are so wide or broad that the hand cannot grasp them and yet turn the mop properly in wringing. In such case both hands have to grasp the mop-stuff and the mop itself is an impediment in the way.

These several features of the half-circular cross-head, the bearing of the screw which rests within the socket of the shank, and the formation of the wires by which the mop-head can be held while being wrung, constitute my invention.

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

The half-circular or concave cross-head B, the bearing *d* resting in the socket of the shank, and the wire ends *g g*, bent to form a hand-hold for wringing, when said parts are combined in a mop-head, in the manner and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JOHN H. HOOD.

Witnesses:

JAMES FAULKNER, Jr.,  
J. C. WILLIAMS, Jr.