O. Root,

Mop Holder.

No. 84,000. Patented Nov. 10, 1868.

Fig: 1.

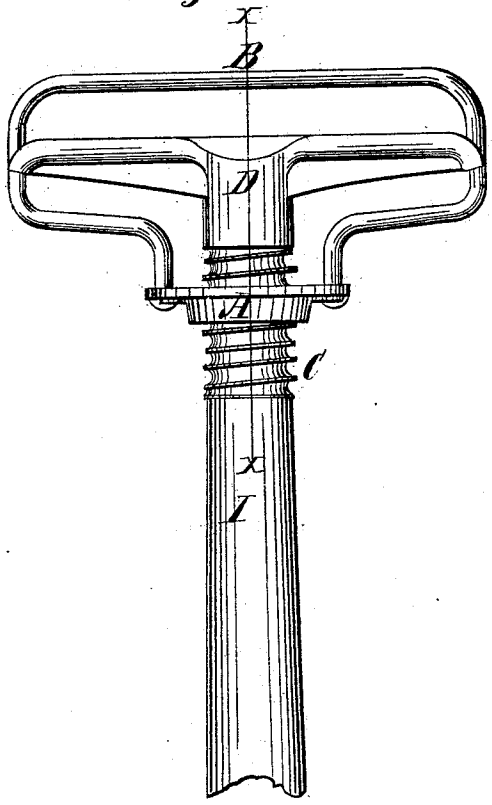
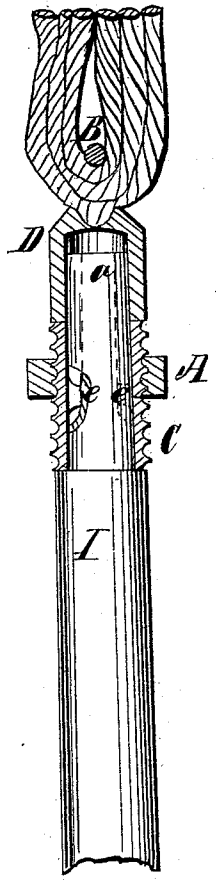


Fig: 2.



Witnesses:

D. F. Dodge,

Jno. Johnson

Inventor:

O. Root

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United States Patent Office.

OTIS ROOT, OF WENDELL, MASSACHUSETTS.

Letters Patent No. 84,000, *dated November* 10, 1868.

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, OTIS ROOT, of Wendell, in the county of Franklin, and State of Massachusetts, have invented certain new and useful Improvements in Mop-Heads; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

My invention consists in a novel plan of constructing and arranging the parts of a mop-head, as hereinafter explained.

Figure 1 is a side elevation of the head complete, and

Figure 2 is a longitudinal section, taken on the line *x–x* of fig. 2.

In constructing my improved mop-head, I form a cast-iron collar, A, having a screw-thread on its interior, as shown in fig. 2, and having a frame, B, made of wire, attached to it, as represented in fig. 1, this part being the same as is now in common use.

This frame encloses a cast-iron cross-bar, D, also of the usual form, but having a socket at its centre, in which the small end *a* of the handle I turns loosely, as shown in fig. 2, instead of being secured rigidly to the handle, as is customary where the sleeve C is made to turn upon the handle.

I then make a sleeve, C, with a screw-thread upon its exterior, to fit the collar A, and having, also, two spurs, *e*, projecting from its inner face, on opposite sides, as represented in fig. 2, these spurs indenting or creasing the handle I, as it is forced into the sleeve, and thereby securing the sleeve rigidly upon the handle.

The lower end, *a*, of the handle is not secured in any way to the cross-head D, but is fitted to turn freely therein.

It will be seen that when the parts are thus constructed, the handle I can be removed entirely, at any time, by simply screwing it out of the collar A, and that to loosen or tighten the cross-bar and frame, it is only necessary to turn the handle, which may be done without stooping, or lifting the mop, and without touching the head at all, as is necessary in those which have the sleeve C turning loosely on the handle, and provided with ears for turning it with the hand.

I am aware that mop-heads have been made in which the parts were tightened by turning the handle, but which had a metallic bolt of wrought-iron, with a screw-thread cut on it by dies, projecting from the lower end of the handle, working in the collar, and having its lower end swivelled to the cross-head, and, therefore, I do not claim such a device.

In my improved head, the collar A, the sleeve C, and cross-head D are all cast complete, ready for use, there being no machine-work or finishing of any kind required, except to unite the collar A and frame or wire B.

By this improved method of constructing and arranging the parts, I am enabled to produce an exceedingly cheap, simple, and efficient implement, and one that can be manipulated in the most handy and convenient manner.

Having thus described my invention,

What I claim, is—

A mop-head, consisting of the frame A B, with the sleeve C, secured to the handle I, by means of the spurs *e*, and having the end of the handle protruding through the sleeve, and turning in a socket in the cross-head D, as herein shown and described.

Witnesses: OTIS ROOT.

SANFORD GODDARD,

FRANK W. RUGG.