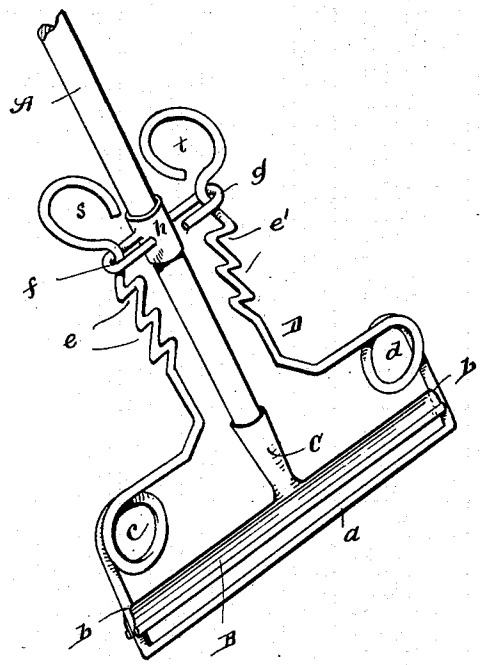
No. 615,410. Patented Dec. 6, 1898.

C. W. PARKS.

MOP HOLDER.

(Application filed Mar. 10, 1898.)

(No Model.)



WITNESSES.

C. Lukau

A. W. McDougall

INVENTOR.

Clarence W. Parks

by C. A. Bradford

Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CLARENCE W. PARKS, OF LOWELL, MICHIGAN.

MOP-HOLDER.

SPECIFICATION forming part of Letters Patent No. 615,410, dated December 6, 1898.

Application filed March 10, 1898. Serial No. 673,300. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE W. PARKS, a citizen of the United States, residing at Lowell, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Mop-Holders; 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, reference being had to the accompanying drawing, forming a part of this specification.

This invention relates to improvements in mop-holders, and has for its object to provide a simple, durable, and economical device that can be quickly and easily adjusted to receive and hold a mop-cloth.

The invention consists in the general construction and arrangement of the parts to be hereinafter described and claimed.

Referring to the accompanying drawing, the figure illustrates my improved holder in perspective.

The essential novelty of this invention lies in the use of an adjustable spring holding-loop composed of a single piece of wire and adjustably secured to the mop-handle and the usual cross-bar at the end thereof.

In carrying out my invention, A represents the handle, at the lower end of which there is secured the cross-bar B, having the U-shaped cross-section, and which is fastened to the handle by means of the ferrule C, made rigid to the bar at its lower end and adapted to receive the handle at its upper end.

The adjustable portion D, by means of which the mop-rag is clamped in position, is preferably composed of a single piece of spring-wire bent in a U form at its middle point to form the bar *a*, which unites with the bar B to form the clamp. The ends are turned upward at right angles to the portion *a* to engage within the notches *b*, formed in the ends of the cross-bar B. Above this bar the wire is given a single turn, forming the coil-springs *c* and *d*, from whence the ends are carried inward toward the handle and upward in a zigzag manner to form the shoulders *e* and *e'*. This portion of the wires is arranged to pass through the loops *f g*, which are fastened to the ferrule *h*, secured upon the handle. These loops are oval in form, having their lengths arranged to extend in a plane parallel with the plane of the shoulders *e* and *e'*, so as to provide a free movement of the wires therethrough and at the same time to furnish an engagement over which the shoulders *e* and *e'* are forced by the spring tension in the wire. By this means it will be evident that the lower adjustable bar *a* may be drawn out and from the fixed bar B to any desired position, where it is firmly secured by virtue of the engagement of the shoulders and loops above described. The ends of the wires, which are carried up through the loops, are terminated in the form of rings *s t*, so that in the operation of opening or closing the clamp it is only necessary to grasp these rings and compress the two upward-extending zigzag wires until the shoulders escape the outer ends of the loops. It will be observed that the shoulders *e* and *e'* lie approximately parallel to the cross-bar B, while the upper portion e^2 above the shoulder is inclined downward. It will therefore be seen that after the clamp has been opened it may readily be closed and secured by merely forcing upward upon the bar *a* or resting it upon the floor and forcing the handle downward.

It will be obvious that some slight modifications may be made in this general construction and arrangement without materially affecting the results, and I desire to have it understood that any suitable material may be employed for its construction and equivalent means may be adopted without departing from the spirit and scope of my invention.

Having thus described my invention, what I claim is—

1. In a mop-holder, the combination of a handle, a cross-bar having a U-shaped cross-section secured at one end of said handle, an adjustable bar composed of a single piece of wire bent in a U form at its central point, and having its ends carried upward to engage with the ends of said cross-bar, above which point they are turned to form spiral springs, thence carried inward to said handle and upward in zigzag manner to form shoulders, and terminated in rings, and loops engaging over said zigzag portions and secured to said handle, whereby said adjustable bar is secured in position, substantially as described.

2. In a mop-holder, the combination of the handle A, the cross-bar B having a U-shaped cross-section, said cross-bar provided with a ferrule C, by means of which it is secured to said handle, the adjustable portion D composed of a single piece of spring-wire bent in U form at its center to form the bar *a*, said bar *a* arranged to unite with the cross-bar B to form the mop-clamp, the ends of the wires being bent forward at right angles to said bar *a* and guided in the ends of said cross-bar B, above which they are constructed in the form of spiral springs *c*, *d*, from whence they are bent inward and carried upward along said handle in a zigzag manner to form the shoulders *e*, *e'*, and terminated at their upper ends with the rings *s*, *t*, the ferrule *h* arranged to engage said handle, and the loops *f* and *g* secured to said ferrule and adapted to receive said zigzag ends and to engage with the shoulders *e* and *f* to hold said clamp in its adjusted position, substantially as described.

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

CLARENCE W. PARKS.

Witnesses:
D. G. LOOK,
J. T. HEADWORTH.