June 10, 1930. B. J. DUCE ET AL 1,762,920

MOP HOLDER

Filed May 9, 1929

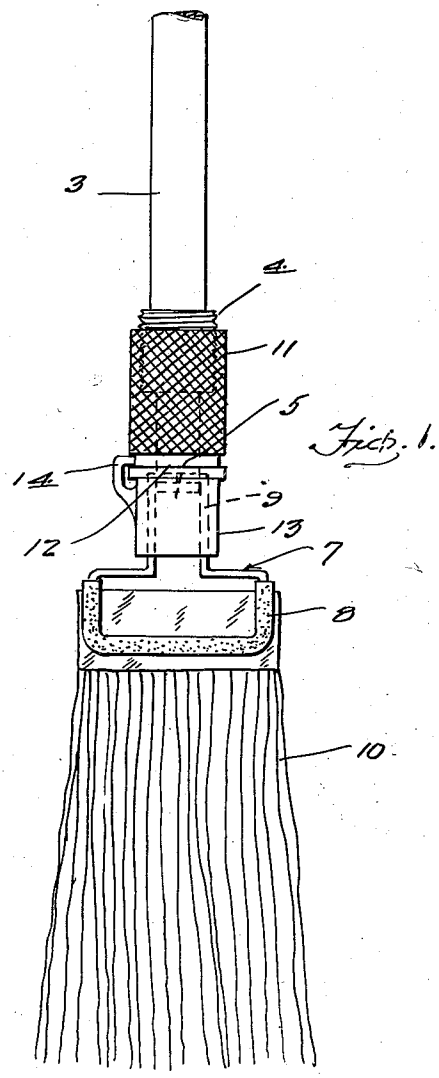


Fig. 1.

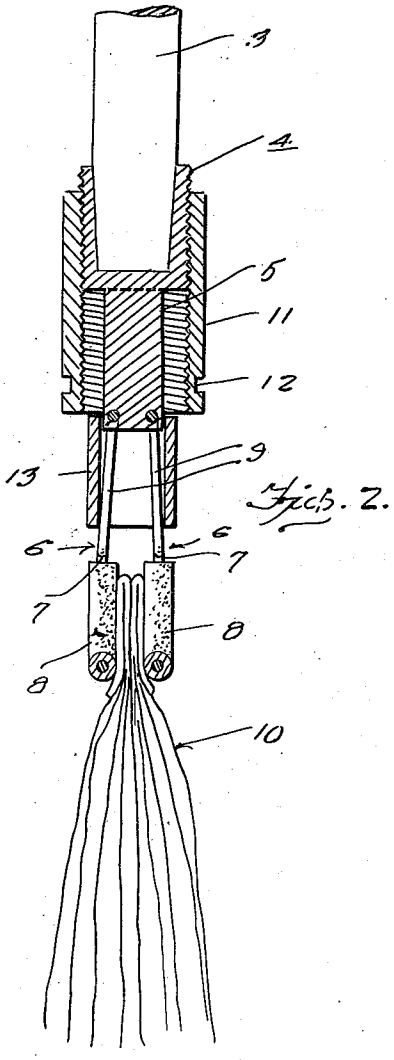


Fig. 2.

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UNITED STATES PATENT OFFICE

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MOP HOLDER

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This invention relates to an improved mop holder of the type embodying a handle and novel retaining means carried thereby for releasably holding the mop head in working position on the handle.

Our principal object is to generally improve upon structures of this class, by providing one which is characterized by a new and more satisfactory arrangement of parts, so made and cooperating as to facilitate application and removal of the mop head.

We aim also to provide a device of this class, wherein the mop retaining means is in the form of a distinguishably new clamp, which is economical, easy to manipulate, and otherwise efficient and practical in fulfilling the requirements of a structure of this kind.

In the drawings:

Figure 1 is an elevational view of the device constructed in accordance with the present invention.

Figure 2 is an enlarged longitudinal sectional view showing the details and their particular association and arrangement more plainly.

Reference being had particularly to Figure 2, it will be observed that 3 designates the handle whose lower end is tapered and provided with an externally screw-threaded cap or ferrule 4. This, in turn, is provided with an integral stud or extension 5, of rectangular cross section. A pair of clamping jaws 6 are swingably mounted on this extension. Each jaw is formed from a single length of wire bent upon itself to provide a frame like portion 7, provided with a protective rubber casing or sleeve 8, and a pair of spaced parallel arms 9, whose extremities are directed inwardly toward each other and located in holes formed in the part 5, as seen in Figure 2.

The frame portions 7 of the jaws are adapted to bind against that portion of the mop head 10 located therebetween, as shown in the drawings. The means for operating and maintaining the jaws in clamping relationship comprises an internally screw threaded sleeve 11, which are threaded on the ferrule and whose external surface is knurled or otherwise roughened to facilitate turning. This is provided with an annular groove 12. Cooperable therewith is a rectangular collar 13, which embraces the arms of the respective clamps in the manner shown. Then, as shown in Figure 1, this collar is provided with a hooked finger 14, whose extremity projects into the groove to afford an operating connection between the sleeve and the collar.

It is obvious that when the collar is fed down on the arms 9, the frame portions 7 of the respective jaws are bound tightly against the mop head.

When, however, the sleeve 11 is moved in the opposite direction, this retracts the collar and allows the jaws to swing apart to facilitate removal of the mop head.

Minor changes in the shape, size and materials coming within the field of invention claimed may be resorted to, in actual practice, if desired.

What is claimed is:

In a structure of the class described, a handle, an externally screw threaded ferrule mounted on said handle and having an extension, a pair of oppositely disposed swingably mounted jaws carried by said extension and having arm portions, a sleeve threaded on said ferrule, a collar embracing the arm portions for actuating the jaws, and an operating connection between the collar and sleeve.

In testimony whereof we affix our signatures.

SOLOMON JOHN ORENT.
BERT J. DUCE.