M. P. ALLEN.

COMBINATION MOP.

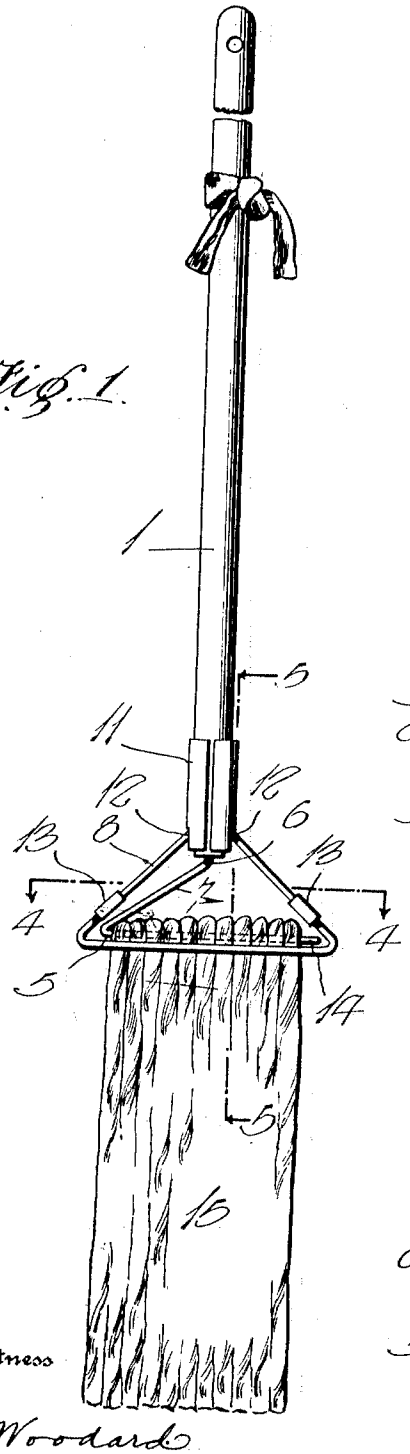
APPLICATION FILED SEPT. 10, 1917.

1,315,900.

Patented Sept. 9, 1919.

2 SHEETS—SHEET 1.

Fig. 1.



Witness

H. Woodard

Fig. 2.

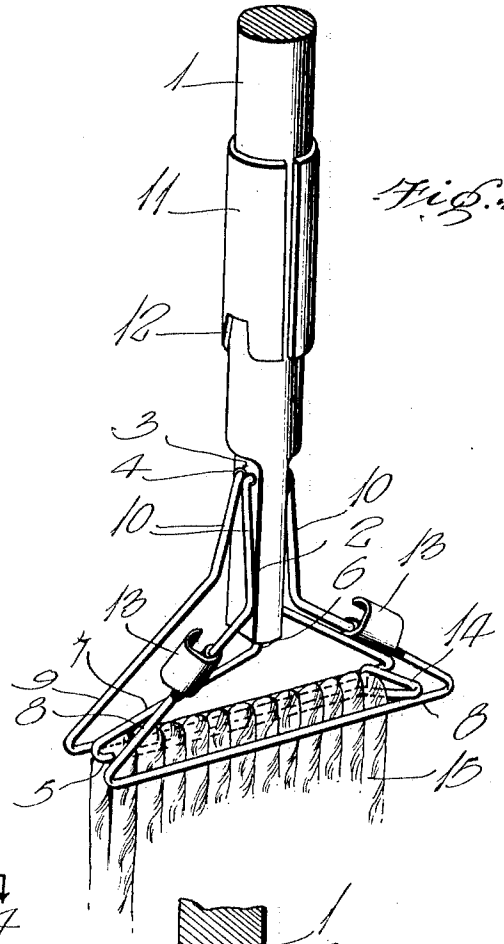
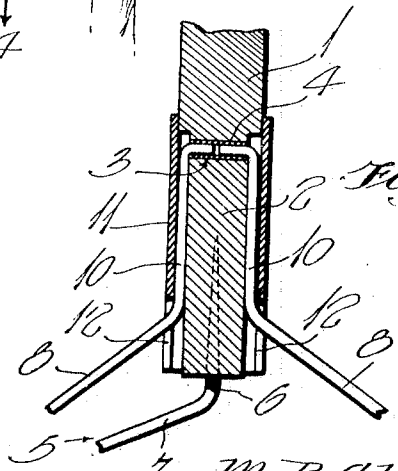


Fig. 6.



Inventor

M. P. Allen

By

Attorneys

M. P. ALLEN.

COMBINATION MOP.

APPLICATION FILED SEPT. 10, 1917.

1,315,900.

Patented Sept. 9, 1919.

2 SHEETS—SHEET 2.

Fig. 4.

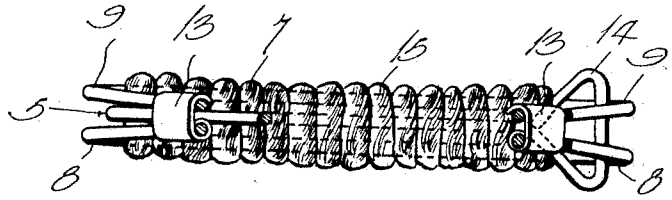


Fig. 3.

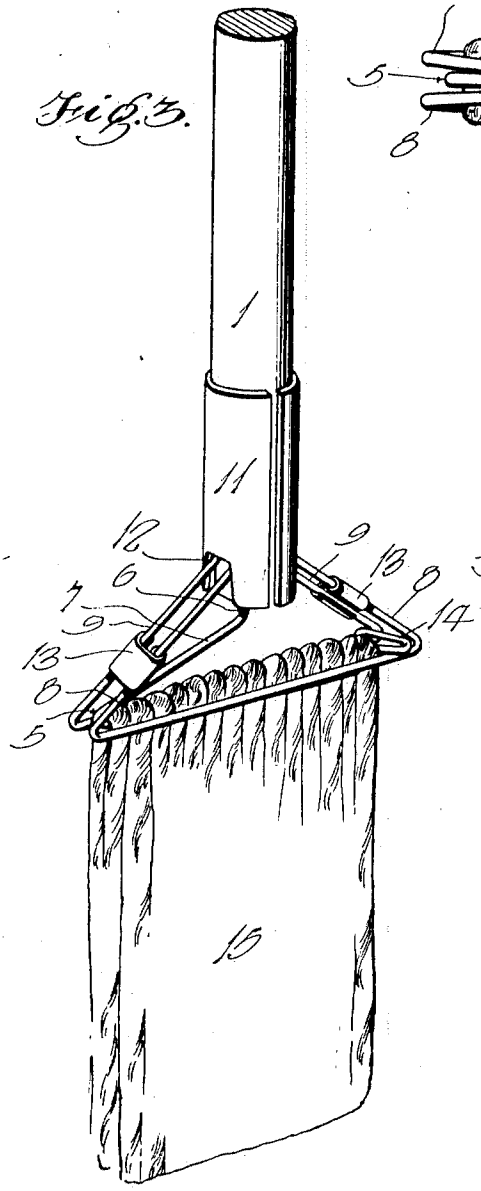
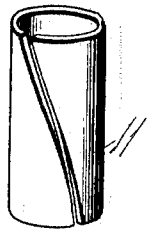


Fig. 7.



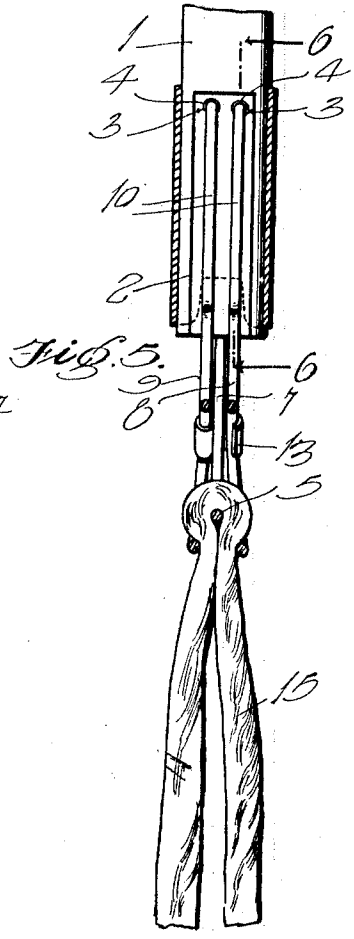
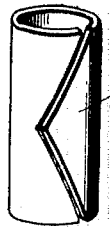


Fig. 5.

Fig. 8.



Witness

H. Woodard

Inventor

M. P. Allen

By

Attorneys

THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MELVIN P. ALLEN, OF KANSAS CITY, MISSOURI.

COMBINATION-MOP.

1,315,900. Specification of Letters Patent. Patented Sept. 9, 1919.

Application filed September 10, 1917. Serial No. 190,602.

To all whom it may concern:

Be it known that I, MELVIN P. ALLEN, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Combination-Mops; and I do 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.

This invention relates to certain new and useful improvements in mops.

The primary object of the invention is to provide a mop holder to which the cleaning element or mop may be quickly and easily applied and removed therefrom, and which when the cleaning element is applied thereto will hold the latter in such a manner that it will not become accidentally loosened or disengaged therefrom.

A further object of the invention is to generally improve upon devices of this class by the provision of an extremely simple durable and inexpensive construction, one which will be efficient and reliable in operation, and well adapted to the purpose for which it is designed.

With these and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be hereinafter fully described and claimed.

In the accompanying drawings forming a part of the application, and in which similar reference characters are used to designate like parts throughout several views:

Figure 1 is a front elevation of a mop holder constructed in accordance with this invention and showing a cleaning element applied to the same;

Fig. 2 is an enlarged perspective view of the mop holder showing the two jaw members uncoupled and swung a slight distance away from each other;

Fig. 3 is a perspective view of the mop holder showing a cleaning element applied thereto, the jaw members being disposed in a coupled relation;

Fig. 4 is a horizontal sectional view taken on the plane indicated by the line 4—4 of Fig. 1;

Fig. 5 is a vertical sectional view taken on a plane indicated by the line 5—5 of Fig. 1;

Fig. 6 is a detailed vertical sectional view through the lower end of the handle of the mop holder, said view being taken horizontally on the line 6—6, of Fig. 5; and

Figs. 7 and 8 are perspective views of undivided forms of sleeves which are slidably mounted upon the handle of the mop holder.

Referring more particularly to the drawings, the numeral 1 designates the handle of the mop holder which is cut away on opposite sides at its lower end to form a reduced portion 2 having substantially flat parallel opposite sides. Extending through the upper end of the reduced portion 2 of the handle 1 is a pair of transversely spaced apertures 3, which are lined with a suitable metallic tubular lining 4, it being understood that the handle 1 is made of wood.

The reference numeral 5 designates an arm which extends at right angles to the handle 1 and which is secured thereto by having the free ends 6 of its angularly bent portion 7 driven into the lower end of the handle. The arm 5 is arranged directly beneath the handle 1, and has its ends disposed equal distances from the opposite sides of the same.

Arranged on opposite sides of the arm 5 are two jaws 8 and 9. The jaws 8 and 9 are constructed from wire and are of triangular form, and are provided with upwardly extending arms 10 disposed adjacent to the opposite flat sides of the reduced portion 2 of the handle. The free ends of the arms 10 are bent inwardly into the tubular lining 4 disposed within the apertures 3. This construction provides a means for hingedly connecting the jaws 8 and 9 to the handle 1. Slidably mounted upon the handle 1 is a sleeve 11, the lower end of which is provided with oppositely disposed notches 12 which receive the diverging portions of the triangular shaped jaws 8 and 9 when said sleeve is in its lowermost position. The sleeve may be solid, but it is preferably split and provided with abutting edges so that it may yield under pressure when necessary. In Figs. 1, 2, and 3 of the drawings the sleeve is shown as having its abutting edges at right angles to the planes of the upper and lower ends of the sleeve while in Fig. 7, the abutting edges are shown as being disposed angularly to these planes. In Fig. 8 the abutting edges of the sleeve 11 is shown as being V shaped.

Pivotally and slidably mounted upon the diverging portions of the arm 8 are hooks

13. These hooks 13 are adapted to hook over the diverging portions of the arms 9 when the said arms are in their innermost position to lock them in this position.

If desired the arm 5 may be provided at its free end with a loop or head 14 to prevent the cleaning element 15 from becoming disengaged from this arm and to prevent said arm from bending outwardly, said loop or head overlying the mop gripping rods of the jaws 8 and 9 for this purpose.

In using the device, the sleeve 11 is moved upwardly upon the handle 1 until its lower end passes above the portions 10 of the jaws 8 and 9. The hooks 13 are then swung out of engagement with the jaws 9 and the two jaws 8 and 9 are then swung outwardly away from the arm 5. The cleaning element 15, which is preferably in the form of a plurality of strands of cotton is then suspended from the arm 5. When this is done, the jaws 8 and 9 are then swung together into engagement with the opposite side of the cleaning element 15, and the hooks 13 are slid down as far as they will go upon the diverging portions of the jaw 8 and hooked over the similar portions of the jaw 9. The sleeve 11 is then slid to its lowermost position on the handle, and the opposite sides of the notches 12 engaging the diverging portions of the jaws 8 and 9, maintaining the latter in their clamped engagement with the cleaning element.

To prevent the sleeve 11 from sliding off of the handle 1 should the mop be held in an inverted position, a strip of fabric or other soft material is fixed or wound and tied around the handle at a point adjacent the lower end of the same.

From the foregoing description taken in connection with the drawings, the construction, use and operation of the device will be readily understood without a more extended explanation.

As various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit of the invention, it is to be understood that I do not wish to be limited to the construction herein shown and described other than as claimed.

I claim:

1. A mop comprising a handle, a pair of jaws consisting of transverse mop gripping rods in advance of said handle and arms at the ends of said rods pivoted to said handle, a third rod over which the mop cloth is adapted to be folded, said third rod being located between said jaws and slightly in rear of said mop gripping rods, means for clamping said jaws together to hold said mop gripping rods against the mop cloth, an arm extending rearwardly from one end of said third rod and anchored to the front end of said handle, and a transverse head on the other end of said third rod disposed in rear of and adapted to bear against said mop gripping rods to prevent forward bending of said third rod and to retain the mop cloth thereon.

2. A mop comprising a handle, a pair of transverse mop gripping rods in advance of said handle, arms at the ends of said rods converging rearwardly to the handle and then extending rearwardly in parallel relation along opposite sides thereof, the rear ends of said arms being pivoted to said handle, and a sleeve slidable on the handle and adapted to move over said parallel portions of said arms, the front end of said sleeve having notches to receive said rearwardly converging portions of said arms, said notches having rearwardly converging sides to force said arms together, whereby to firmly grip the mop cloth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

MELVIN P. ALLEN.

Witnesses:
L. D. JAMES,
A. C. HARTNETT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."