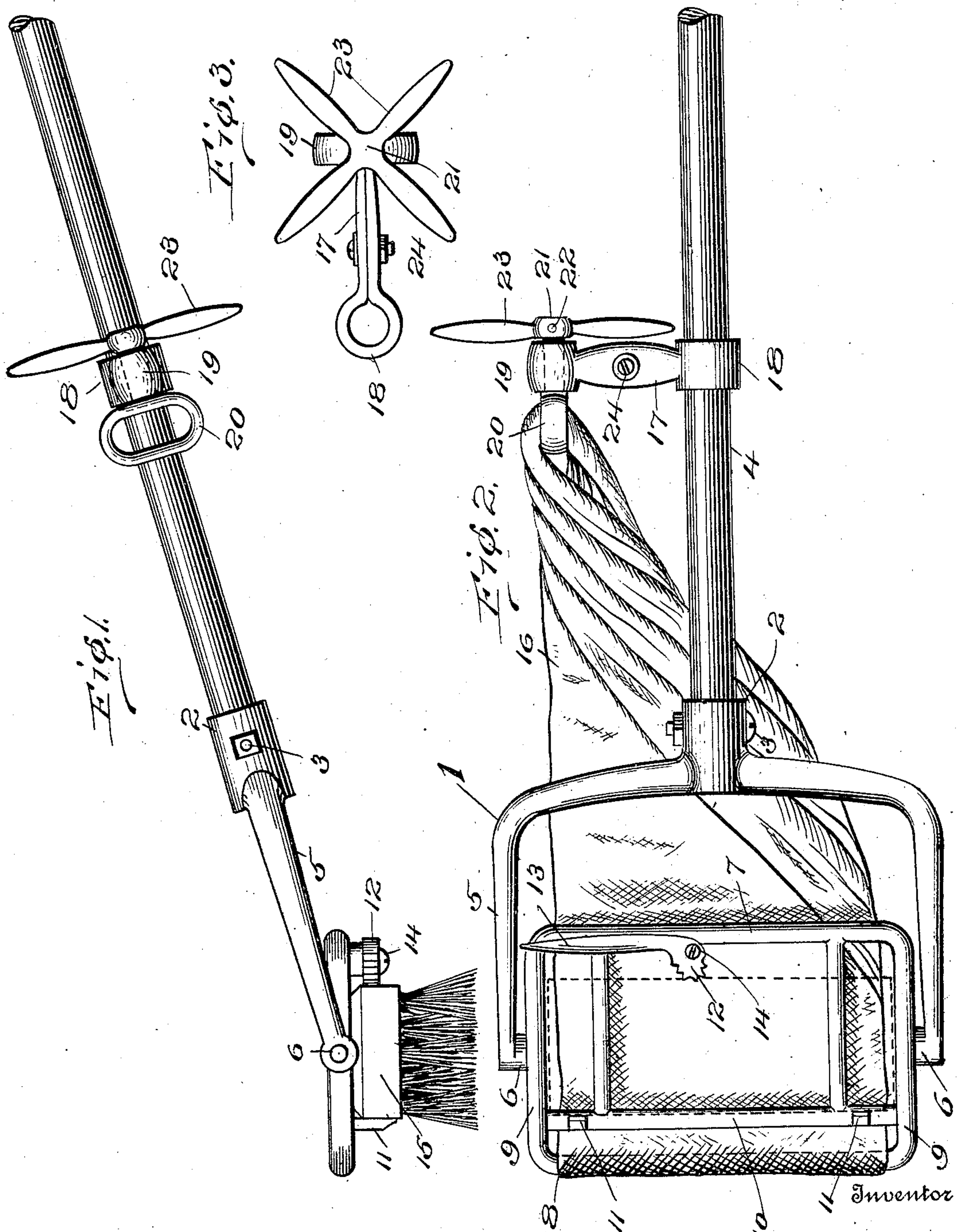


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 COMBINED MOP WRINGER AND SCRUB BRUSH HOLDER.
 APPLICATION FILED NOV. 29, 1909.

980,712.

Patented Jan. 3, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

WALTER VERNON, OF MOUNT VERNON, OHIO.

COMBINED MOP-WRINGER AND SCRUB-BRUSH HOLDER.

980,712.

Specification of Letters Patent.

Patented Jan. 3, 1911.

Application filed November 29, 1909. Serial No. 530,393.

To all whom it may concern:

Be it known that I, WALTER VERNON, a citizen of the United States, residing at Mount Vernon, in the county of Knox and State of Ohio, have invented certain new and useful Improvements in Combined Mop-Wringers and Scrub-Brush Holders, of which the following is a specification.

This invention relates to combined mop wringers and scrub brush holders, and one of the principal objects of the same is to provide simple and efficient means for detachably securing a scrub brush to a mop head and to provide means for wringing the mop cloth.

Another object of the invention is to provide a convertible mop and brush holder having a pivoted frame provided with a clamp for securing the scrub brush thereto and a mop cloth connected to said pivoted frame and extended to a hand wringing device connected to the handle of the mop.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which—

Figure 1 is a side elevation of a mop head and scrub brush holder made in accordance with my invention, the mop cloth being removed therefrom. Fig. 2 is a bottom plan view of the same with a mop cloth connected to the mop head and to the wringer. Fig. 3 is a top plan view of the mop cloth wringer detached from the handle of the mop.

Referring to the drawing the numeral 1 designates a yoke provided with a socket 2 designed to be connected by means of a suitable bolt 3 to a handle 4. The yoke 1 is provided with forwardly extending parallel arms 5 having inwardly projecting perforated bosses 6. Pivotaly mounted in the bosses 6 is the brush holder comprising a rectangular frame having cross bars 7 and 8, connected by end bars 9. Spaced from the cross bar 8 is a holding bar 10 provided with downwardly extending lugs 11. Pivoted upon a lug extending from the bar 7 is a clamping lever provided with an eccentric head 12 and an extending handle 13. This lever is pivoted upon a screw 14. A scrub brush 15 is detachably clamped against the lugs 11 and by means of the head 12 of the lever. A mop cloth 16, preferably in the form of an endless web, is passed around the cross bar 8 and extended up the handle

to be connected to the hand wringing device.

The wringer comprises a clamp member

17 formed of resilient metal and provided with an eye 18 through which the handle 4 extends. A bearing eye 19 is formed upon the opposite end of the clamp member and pivotaly mounted in this eye member is the wringer element comprising a loop 20 through which the mop cloth 16 extends. Projecting from the loop 20 is a shank pivotally mounted in the eye 19 and at the end of the shank a hand wheel or operating lever 21 is secured by means of a pin 22. The hand wheel 21 is provided with radial handles 23 by means of which the loop 20 is rotated to wring the mop 16. For holding the clamp in adjusted position upon the handle 4 a screw 24 extends through the clamp member 17.

From the foregoing it will be obvious that the scrub brush 15 may be readily disconnected from the pivoted frame and that the mop cloth extends upon the opposite side of the pivoted frame from the brush and thus does not interfere with the action of the brush in any way. After the mop is used the cloth may be wrung at any time by turning the hand wheel 21 without soiling the hands of the operator. The mop wringer may be readily applied to any ordinary mop handle without alteration of the structure of the mop.

My invention is simple in construction, can be manufactured at low cost, is strong durable and efficient for its purpose and is easily operated.

Having thus fully described the invention what is claimed as new is:

A rectangular mop and brush holding frame having a bar spaced from one of its longitudinal sides, said bar and said frame forming a loop adapted to hold one end of a mop cloth, lugs on said bar on one face of said frame, means on the frame to clamp a brush against said lugs, a yoke within which said frame is pivotaly hung, a handle fixed to the yoke, and means on the handle for holding the other end of the mop cloth across the other face of the frame, whereby either mop or brush may be used upon twisting the handle to place the mop or brush against the floor.

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

WALTER VERNON.

Witnesses:

T. N. COTTON,
J. N. SAPP.