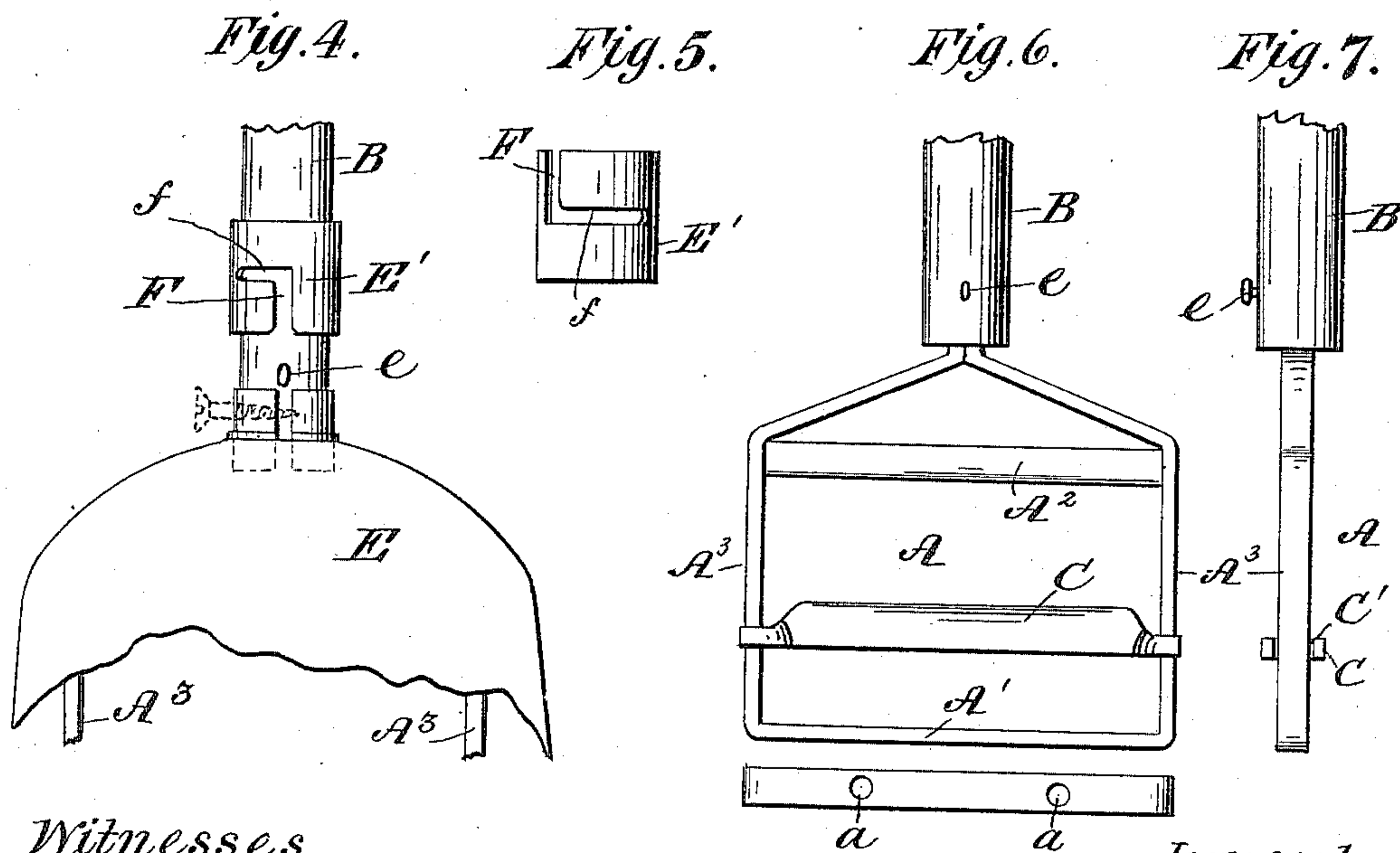
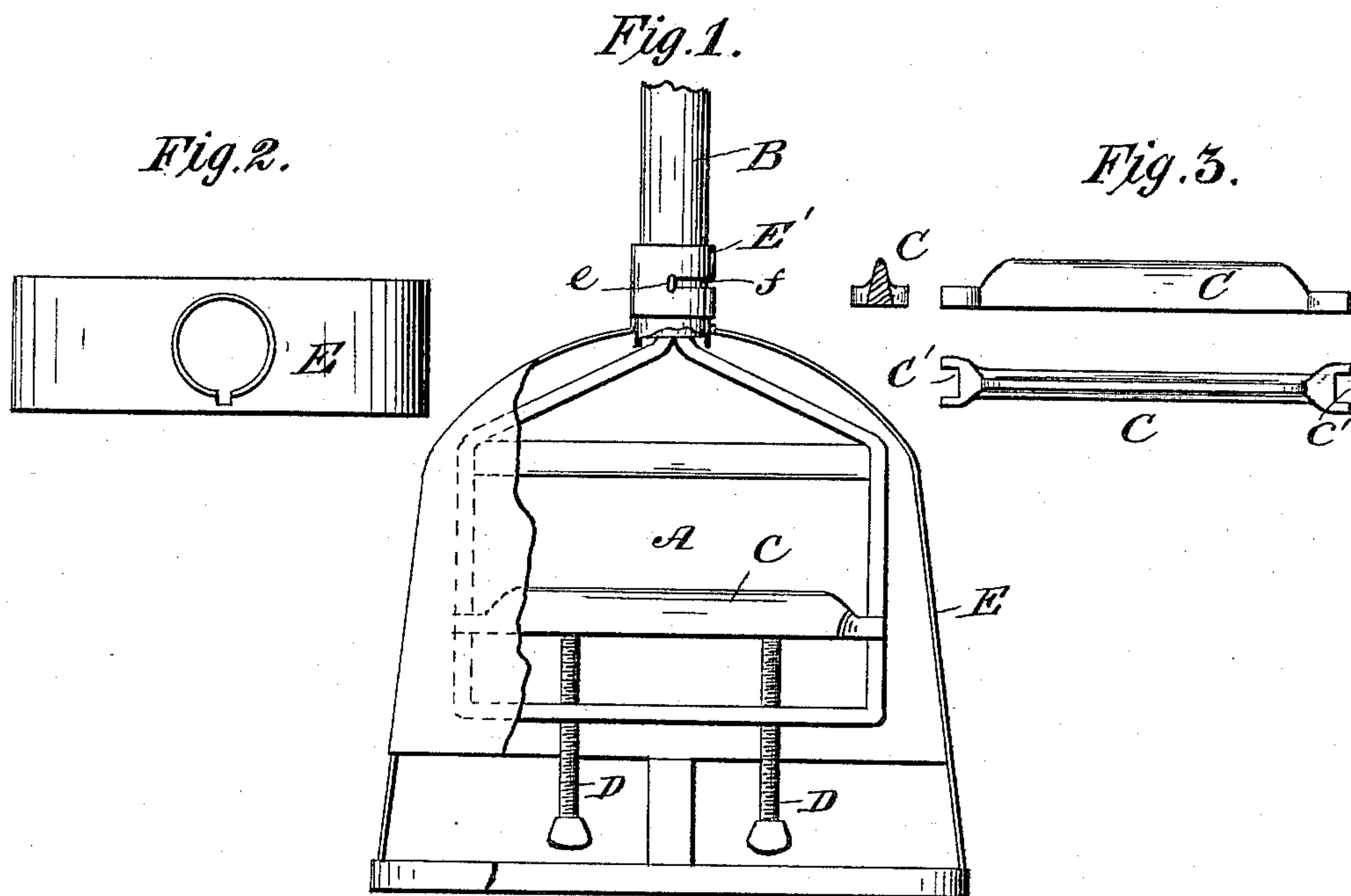


(No Model.)

G. A. THOMPSON.
BROOM.

No. 330,439.

Patented Nov. 17, 1885.



Witnesses.
Samuel R. Turner
R. B. Turpin.

Inventor
George A. Thompson
By R. B. & A. Lacey

UNITED STATES PATENT OFFICE.

GEORGE A. THOMPSON, OF WASHINGTON, MISSOURI.

BROOM.

SPECIFICATION forming part of Letters Patent No. 330,439, dated November 17, 1885.

Application filed February 10, 1885. Serial No. 155,537. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. THOMPSON, a citizen of the United States, residing at Washington, in the county of Franklin and State of Missouri, have invented certain new and useful Improvements in Brooms; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in brooms of that class in which the straw may be readily renewed by the user; and it consists in the details of construction, arrangement, and combination of the several parts, all as more fully hereinafter set forth and claimed.

My invention is illustrated in the accompanying drawings, in which Figure 1 is a side view, part in section, of my improvement. Fig. 2 is a detail plan view of the cap. Fig. 3 represents the follower-bar in detail. Fig. 4 is a detail view illustrative of the operation of the locking-sleeve. Fig. 5 is a detail view of the locking-sleeve. Fig. 6 is a detail side view of the lower end of the handle and the clamp, and Fig. 7 is an edge view of the handle and clamp.

The clamp A is secured to the lower end of the handle B, and is provided with a lower cross-bar, A', and upper cross-bar, A², side bars, A³ A³, and a follower, C, having its ends slotted at C' and fitted on and movable along the side bars, A³, between the lower and upper cross-bars. The lower cross-bar is provided with openings *a a*, which are internally threaded to receive the set-screws D, which turn through the openings *a* and bear against the under side of the follower C in such manner as to adjust the follower toward and from the upper cross-bar.

In operation the straw is placed crosswise between the follower-bar and the upper bar, and projects alike in opposite directions. By turning the set-screws D up, the follower-bar is adjusted against the straw and binds the same against the upper cross-bar and in position. When so arranged, the broom may be used for scrubbing or other desired purposes

independently of the cap E; but I prefer to use the cap, because it bends the opposite ends of the straws toward each other and into position for use as a sweeping-broom and retains them in such position. The cap E is made in the form of the head of a broom, and is placed and movable on the handle down over the clamp.

In practice when the straw is worn out the cap is moved up above the clamp, the screws D are released, the old straw removed, new straw inserted, and the screws tightened to clamp the follower-bar and fasten the straw in place. The cap is then moved down to the position shown in Fig. 1, bending the straw into proper position to form a broom of the usual shape. The cap is then fastened to the handle. This fastening may be accomplished by a screw, as indicated in dotted lines, Fig. 4; but I prefer to secure it by means of the locking-sleeve E', operating in conjunction with a pin, *e*, on the handle. This pin *e* is arranged near the lower end of the handle, and the cap is properly slotted or otherwise formed to permit it to move past the said pin or stud *e*, as will be understood from Figs. 1, 2, and 4. The sleeve E' is formed with a slot having wings F and *f*. The wing F of the slot is cut from the lower end of the sleeve in the direction of length of same, and intersects the wing *f*, which is formed at right angles to the wing F, as shown.

In operation when the cap has been moved to the position shown in Fig. 4, the locking-sleeve is then moved downward, the pin or stud *e* entering the wing F until such pin comes opposite the wing *f*, when the locking-sleeve is given a partial rotation to bring it into position shown in Fig. 1, when the cap will be secured in position, as shown in Fig. 1.

By the construction described it will be seen the broom may be supplied with fresh straw by the user, and all stitching is prevented.

I prefer in practice to extend the cap sufficiently forward below the clamp when in operative position to serve as a stiffener for the broom.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a broom, a straw-clamping frame attached to the handle and composed of side bars, a base-bar having threaded openings, a stop

cross-bar, a follower-bar sliding at each end on the side bars, and clamping-screws turned through the openings in the base-bar and against the follower-bar, substantially as set
5 forth.

2. The combination of the handle having the clamp attached to its lower end and provided with a radial pin or stud near such end, and the cap movable along the handle, and the
10 locking-sleeve having a double-winged slot,

whereby it may be adjusted into engagement with the pin or stud and lock the cap in position, substantially as set forth.

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

GEORGE A. THOMPSON.

Witnesses:

I. W. WIEMEYER,
ALBERT ROHRIG.