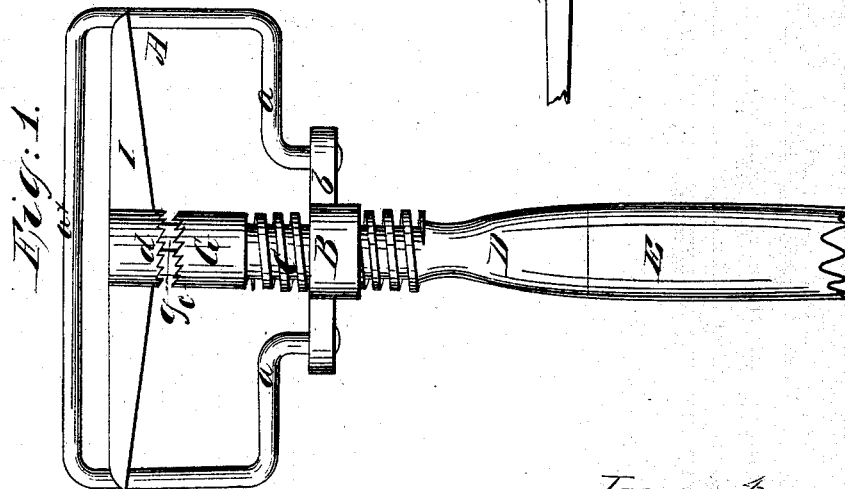
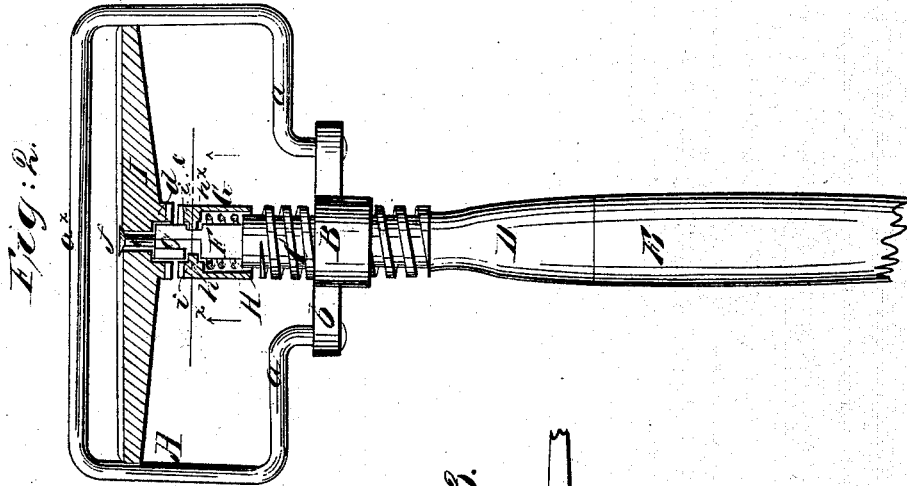


W. Home,
May Holder.

N^o 47642.

Patented May 9, 1865.



Witnesses:
 Saw Tuel
 Wm. Greun

Inventor:
Nelson Hornes
per Munn &
attys

UNITED STATES PATENT OFFICE.

NELSON HOMES, OF LAONA, NEW YORK.

IMPROVED MOP-HEAD.

Specification forming part of Letters Patent No. 47,642, dated May 9, 1865.

To all whom it may concern:

Be it known that I, NELSON HOMES, of Laona, in the county of Chautauqua and State of New York, have invented a new and Improved Mop-Head; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of my invention; Fig. 2, a side view of the same, partly in section; Fig. 3, a horizontal section of the same taken in the line *x x*, Fig. 2.

Similar letters of reference indicate like parts.

This invention relates to a new and improved means for moving the adjustable bar or jaw of the mop-head, whereby the same may be readily moved for securing the mop in the head and releasing it therefrom, and at the same time prevented from moving casually.

A represents the fixed jaw or portion of the mop-head, which may be described as a bar forming three sides of a quadrangle, and two arms, *a a*, which are secured in a cross-bar, *b*, on a nut, *B*, in which a screw, *C*, works, said screw being at one end of a socket, *D*, in which the wooden handle *E* of the mop-head is fitted.

The outer part of the screw *C*, or, rather, the rod on which the screw is cut or formed, is prolonged and of less diameter than the screw, as shown at *F* in Fig. 2, and on this part *F* there is fitted a sleeve, *G*, within which and around *F* a spiral spring, *H*, is placed, said spring having a tendency to keep the outer end of the sleeve *G*, which is provided with ratchet-teeth *c*, pressed against similar teeth, *d*, at the inner side of the movable or adjustable jaw *I*, through which a journal, *e*, at the outer end of *F*, passes centrally, said journal having a head, *f*, at its outer end to retain the jaw upon it. The ends of the jaw *I* are notched to receive the sides of the fixed jaw *A*, which sides serve as guides for it.

The part *F* of the screw-rod has two longitudinal slots, *g g*, made in it at opposite sides, to receive spurs *h* on the sleeve *G*, and at the

inner end of each slot *g*² there is a notch, *i*, to admit of the spurs *h* being fitted or turned therein so as to keep the teeth *c* of the sleeve inward and free from the teeth *d* of the jaw *I* when desired, as shown in Fig. 2. When the sleeve *G* is held in this position, the socket and screw may be turned, and in consequence of the latter working in the nut *B* it will be seen that the jaw *I* may be moved toward and from the jaw *A*, the outer side, *a*^x, thereof, which is the jaw *A* proper. When the jaw *I* is moved from the side *a*^x of *A*, the mop is inserted between *a*^x and *I*, and the sleeve *G* is then released by turning it so that the spurs *h* will be moved out from the notches *i* and in line with the slots *g*, when the spring *H* will throw the sleeve outward and cause its teeth to engage with those of the jaw *I*. With the sleeve *G* in this position the screw *C* may be turned in the direction to force the jaw *I* toward the mop and cause it to be firmly grasped and held between *a*^x and *I*, as the teeth of the sleeve will slip over those of jaw *I*; but the sleeve cannot turn in the opposite direction, and hence the casual receding of the jaw *I* from *a*^x is prevented, and consequently the accidental liberation of the mop.

In order to remove the mop from the head, the sleeve *G* is pressed inward so that its spurs *h* will reach the inner ends of the slots *g*, and the sleeve then turned so that the spurs will catch into the notches *i*, when the jaw *I* may be moved inward from *a*^x and the mop removed.

I claim as new and desire to secure by Letters Patent—

The screw *C*, in connection with the nut *B* and sleeve *G*, the latter being provided with ratchet-teeth *c*, and arranged on the part *F* of the screw-rod with a spiral spring, *H*, the part *F* being provided with slots and notches to receive the spurs of the sleeve, and connected with the jaw *I*, as shown, and the jaw provided with ratchet-teeth *b*, all arranged substantially as and for the purpose set forth.

NELSON HOMES.

Witnesses:

E. D. HOMES,
WILLIAM C. GRAHAM.