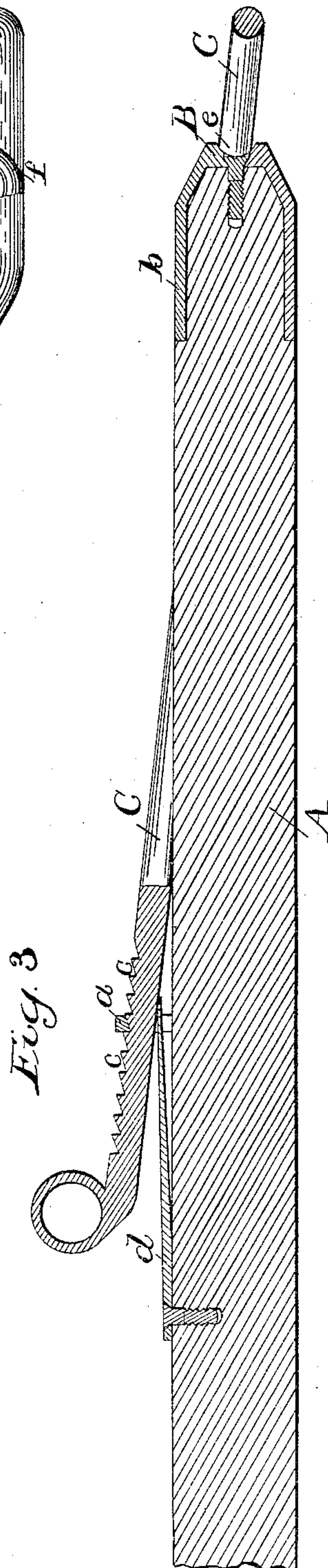
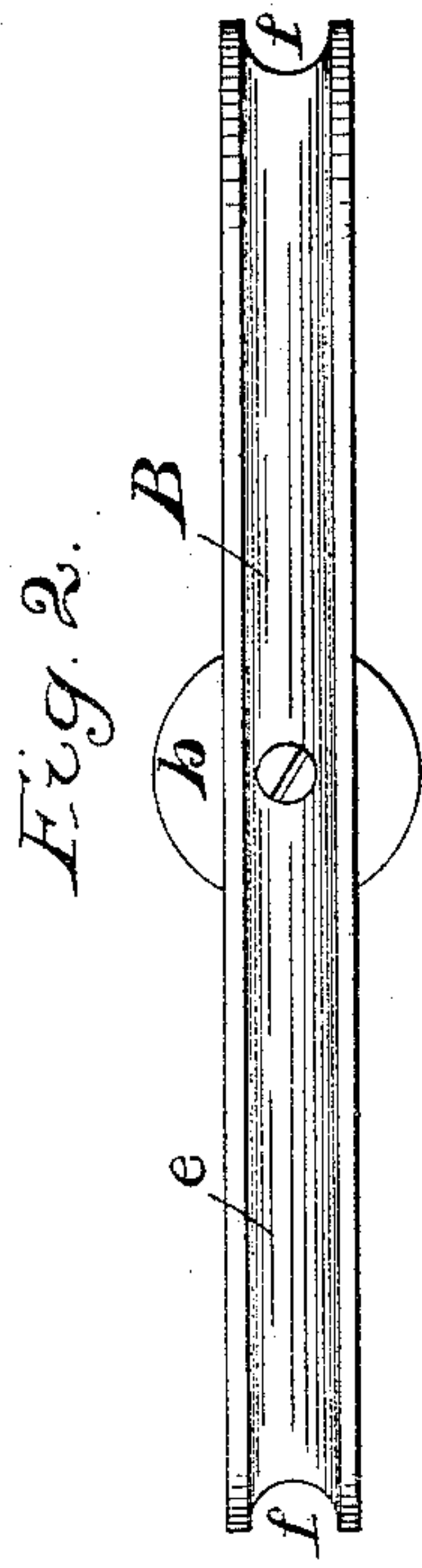
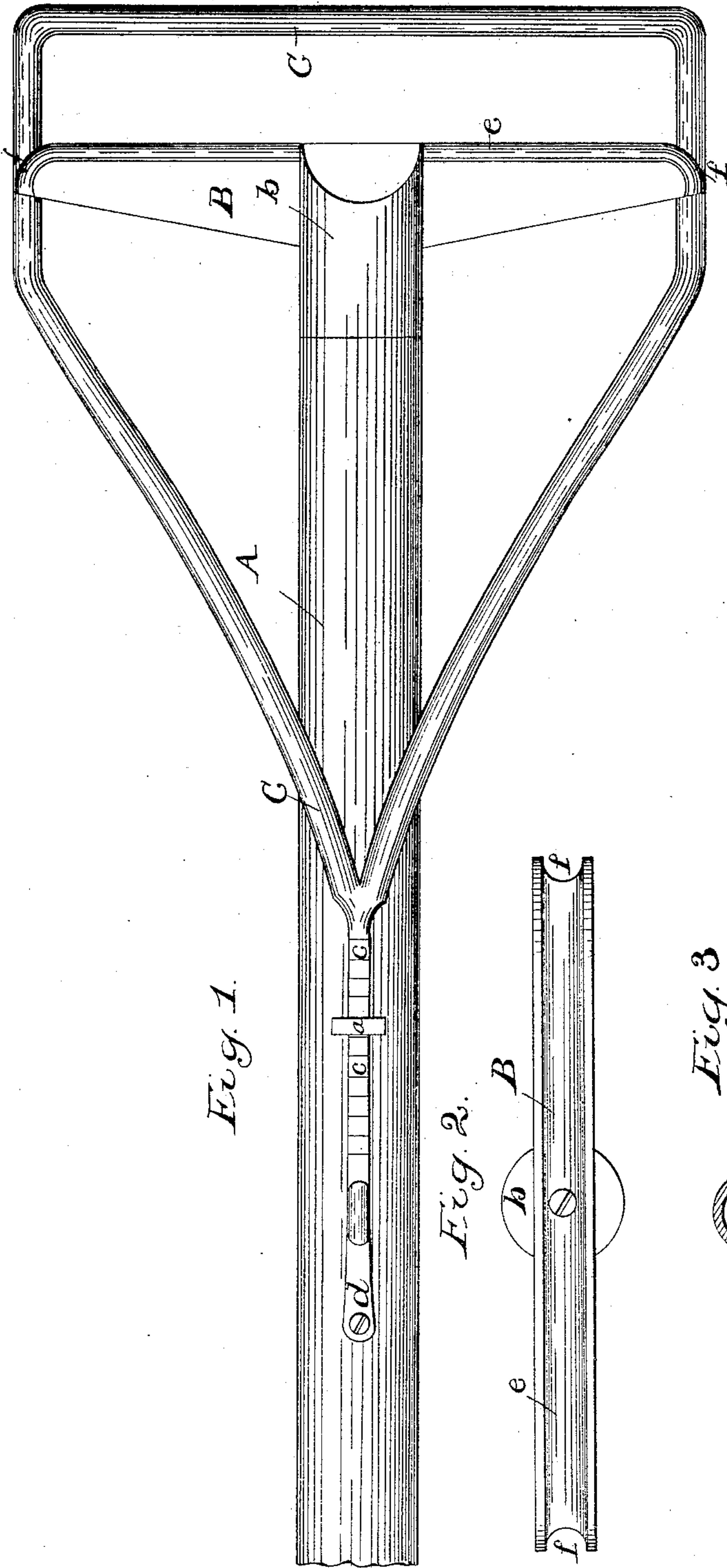


H. MURCH.

Mop Head.

No. 9,781.

Patented June 14, 1853.



UNITED STATES PATENT OFFICE.

HARVEY MURCH, OF LEBANON, NEW HAMPSHIRE.

MOP-HEAD.

Specification forming part of Letters Patent No. 9,781, dated June 14, 1853; Reissued June 2, 1868, Nos. 2,957 and 2,958.

To all whom it may concern:

Be it known that I, HARVEY MURCH, of Lebanon, in the county of Grafton and State of New Hampshire, have invented a new and useful Improvement in Mop-Heads; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, Figure 1 being a plan of a portion of a mop-handle with my improved mop-head attached; Fig. 2, an end view of the same, a portion being removed; and Fig. 3, a vertical central section thereof.

Like letters designate corresponding parts in all the figures.

A metallic cross-head B, provided with a groove on one side *e*, and around the ends *f*, *f*, is fastened firmly to the mop handle A, by means of a socket *b*, which fits over the end thereof. A movable binder C, substantially of the form shown in the drawings, slides in the grooved ends *f*, *f*, of the cross-head B, while its upper end, or shank, moves in a guide catch *a*, attached to the mop handle, and is provided with a series of notches *c*, *c*, formed (as seen in Fig. 3) so as to allow the binder to be drawn upward but not downward past said catch, against which they are pressed by a spring *d*, attached to the mop handle beneath said shank of the binder. The lower end of the binder, when drawn completely up, fits into the groove *e*, of the cross head B; but, when

pushed completely down, leaves a space between itself and said cross-head sufficient to admit the mop, which being inserted therein, the binder is simply drawn upward, (the notches *c*, *c*, preventing its return,) till the mop is firmly clasped between said binder and cross-head. And when it is desired to remove the mop from the mop head, the upper end of the binder is to be pressed down against the spring *d*, until the notches *c*, *c*, are freed from the catch *a*; and then the binder is readily pushed down to set the mop free. This arrangement furnishes a very simple, cheap and easily managed means of fastening the mop in its head.

What I claim as my invention and desire to secure by Letters Patent, is—

My improved mop-head, composed of the fixed cross-head B, which has grooves in its lower side and ends, in combination with the sliding binder C, that terminates in a notched shank *c*, and passes through the loop *a*, on the handle A, which serves as a detent in consequence of the action of the spring *d*, on the under side of the said shank, substantially as herein set forth.

The above specification of my improved mop-head, signed and witnessed this 12th day of November, 1852.

HARVEY MURCH.

Witnesses:

AARON H. CRAGIN,
GEO. S. TOWLE.