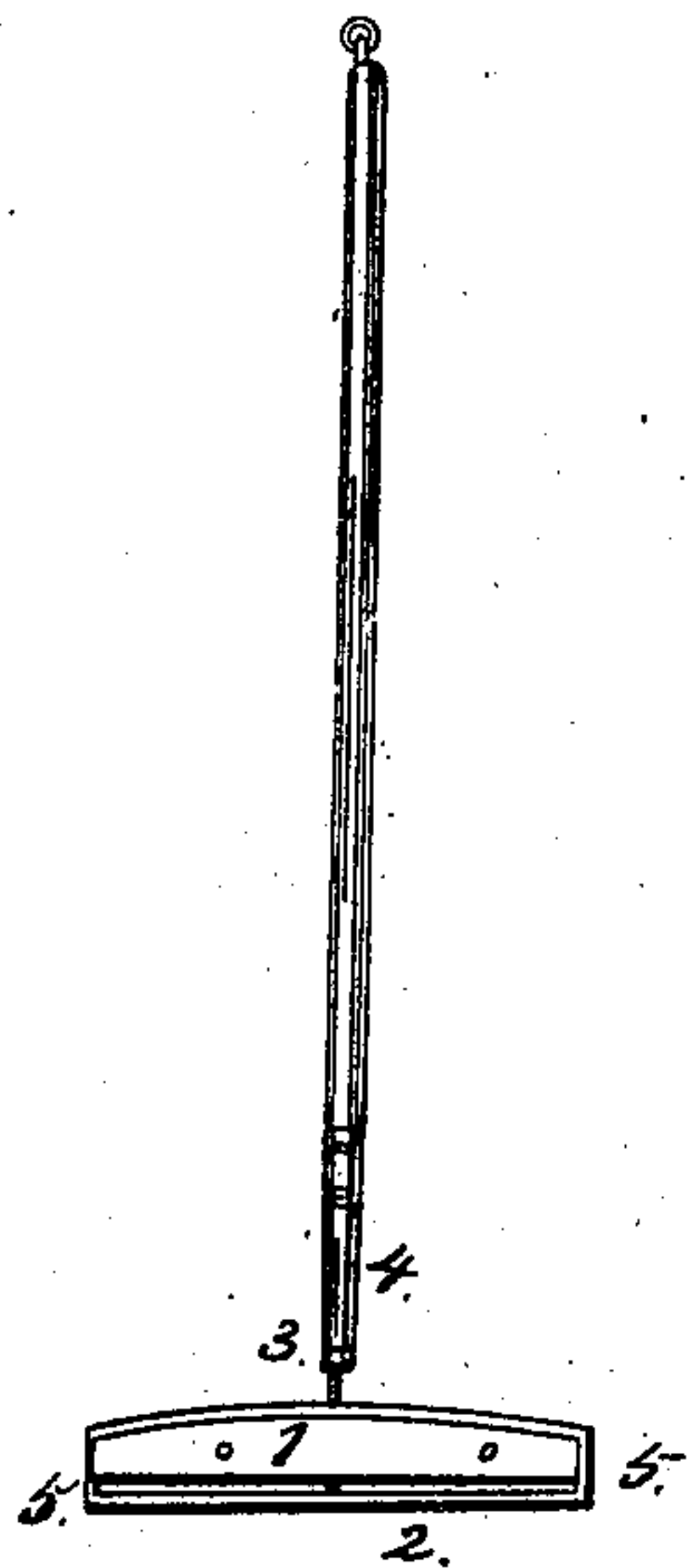


*J. Howe,
Map Holder.*

Nº 241.

Patented June 15, 1837.



witnesses:

*Chas W B. Astishob
Emory Hushburn*

Inventor:

Jacob Howe

UNITED STATES PATENT OFFICE.

JACOB HOWE, OF WORCESTER, MASSACHUSETTS.

CONSTRUCTION OF MOP-HEADS AND THE MODE OF SECURING THEM UPON HANDLES.

Specification of Letters Patent No. 241, dated June 15, 1837.

To all whom it may concern:

Be it known that I, the undersigned, JACOB HOWE, of Worcester, in the county of Worcester in the Commonwealth of Massachusetts, have invented a new and useful Improvement in the Construction of Mop-Heads and the Mode of Securing Them upon Handles, of which the following is a full and exact description.

10 In this improvement the mop head consists of two transverse pieces one of metal called the lower one and the other of wood or it may be of metal called the upper one.

15 From the middle of the lower piece a shank or stem projects at right angles and passes through an aperture in the upper piece made large enough to admit of its moving freely. Upon the upper end of this shank or stem is cut a male screw which is fitted to enter and fit a female screw cut in the lower end of the handle. Upon each end of the lower piece a shorter shank or stem projects at right angles parallel to the middle stem before described. These last 20 mentioned stems are fitted into grooves in each end of the upper transverse piece. When used the middle stem on the lower piece is passed through the aperture in the upper one and entered into the female screw and then by holding the upper piece stationary and turning the handle the upper and lower pieces are drawn together or the

reverse as the operator wishes the stems at the ends preventing the lower piece from turning with the handle, and thus the materials of the mop may be secured or removed at the pleasure of the operator. A drawing representing the above improvement accompanies this specification.

What I claim as my improvement under this specification is—

The middle shank or stem which projects from the lower transverse piece of the head with the male and female screws aforesaid and their arrangement in regard to the transverse pieces whereby the same are closed or separated as above specified.

In the drawing of the above described improvement, which accompanies this specification

Figure 1, represents the wooden transverse piece. Fig. 2, represents the metal transverse piece. Fig. 3, represents the male screw cut on the upper end of the middle and longer stem or shank. Fig. 4, represents the lower part of the handle which contains the female screw. Fig. 5, represents the two shorter shanks or stems which project from the ends of the metal transverse piece.

JACOB HOWE.

Witnesses:

CHAS. W. HARTSHORN,
EMORY WASHBURN.