

No. 676,624.

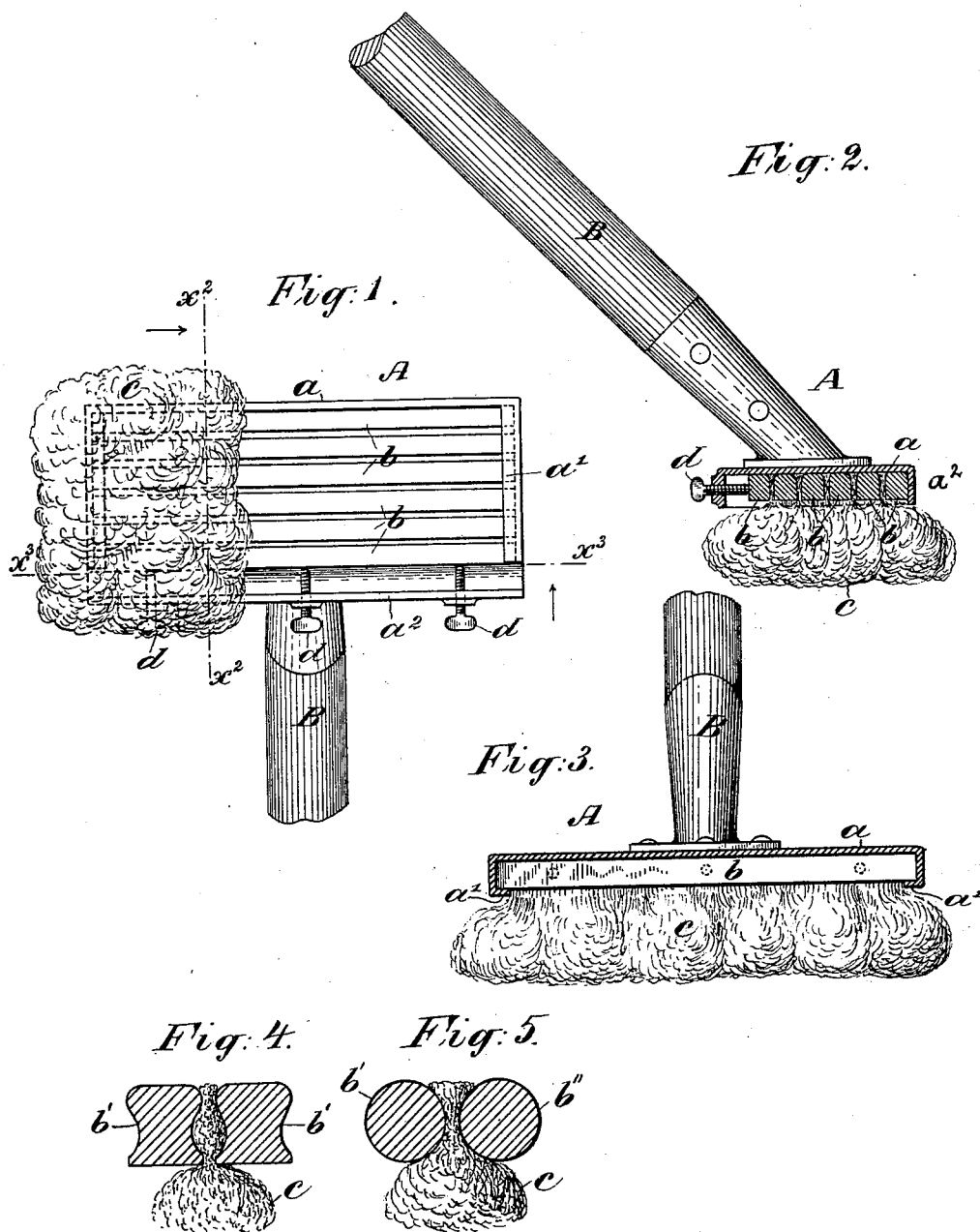
Patented June 18, 1901.

H. A. HAYDEN.

MOP.

(Application filed Nov. 27, 1900.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY A. HAYDEN, OF JERSEY CITY, NEW JERSEY.

MOP.

SPECIFICATION forming part of Letters Patent No. 676,624, dated June 18, 1901.

Application filed November 27, 1900. Serial No. 37,883. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. HAYDEN, a citizen of the United States, residing in Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Mops, of which the following is a specification.

This invention relates to means for mopping or washing floors, walls, windows, and the like, the object being to provide a convenient holder for the fibrous absorbent material of the mop.

In the accompanying drawings, which illustrate the invention, Figure 1 is an under side view of the mop-head, showing only a part of the absorbent material in place therein. Fig. 2 is a transverse vertical section of the head at line x^2 in Fig. 1. Fig. 3 is a longitudinal section of same at line x^3 in Fig. 1, and Figs. 4 and 5 are detail views showing two forms of the clamping-bars.

A represents the mop-head as a whole, and B the handle thereof. The casing or frame a of the head, which may be of metal, is in the form of a shallow box or tray with inturned flanges a' at its ends to form keepers to retain a series of clamping-bars b , which are loose or free, so that they may be taken out.

The fibrous absorbent material c of the mop is held in place by being clamped between the bars b . Clamping-screws d , driven through one side of the frame a , bear upon the outer bar of the series and press them forcibly together. Preferably the absorbent material c will be sponge, as this substance is not only very absorbent, but is strong, resilient, and durable. The smaller and cheaper sponges may be employed as well as or better than the larger ones. The clamping-bars b may have any suitable form in cross-section. The bars of the principal views are substantially

rectangular in cross-section; but in Fig. 4 the bars b' are shown as grooved or fluted at the sides and in Fig. 5 the bars b'' as round. The keeper-flanges a' do not extend out to the side wall a^2 , in which the screws d are set, the object of this being to provide room for the placing or removal of the clamping-bars in the frame one by one. The mop-head may be of any desired dimensions or proportions and the bars b of any suitable material.

Having thus described my invention, I claim—

1. A mop-head comprising a frame with keepers at its ends, a series of unconnected and independent clamping-bars retained loosely in said keepers, screws in said frame for clamping said bars on the fibrous material of the mop, and means for securing a handle to said frame.

2. A mop-head comprising the frame a , having inturned flanges a' to form keepers for the clamping-bars b , the said bars, and screws d , driven through one wall of the frame and adapted to clamp said bars on the absorbent material of the mop.

3. A mop, comprising a head having a frame a , with inturned flanges a' to form keepers, the unconnected clamping-bars b , retained in said keepers, the sponge c , held between said bars, the screws d , driven through one wall of the frame and adapted to clamp said bars on the sponge, and the handle, substantially as set forth.

In witness whereof I have hereunto signed my name, this 26th day of November, 1900, in the presence of two subscribing witnesses.

HENRY A. HAYDEN.

Witnesses:

PETER A. ROSS,
HENRY CONNETT.