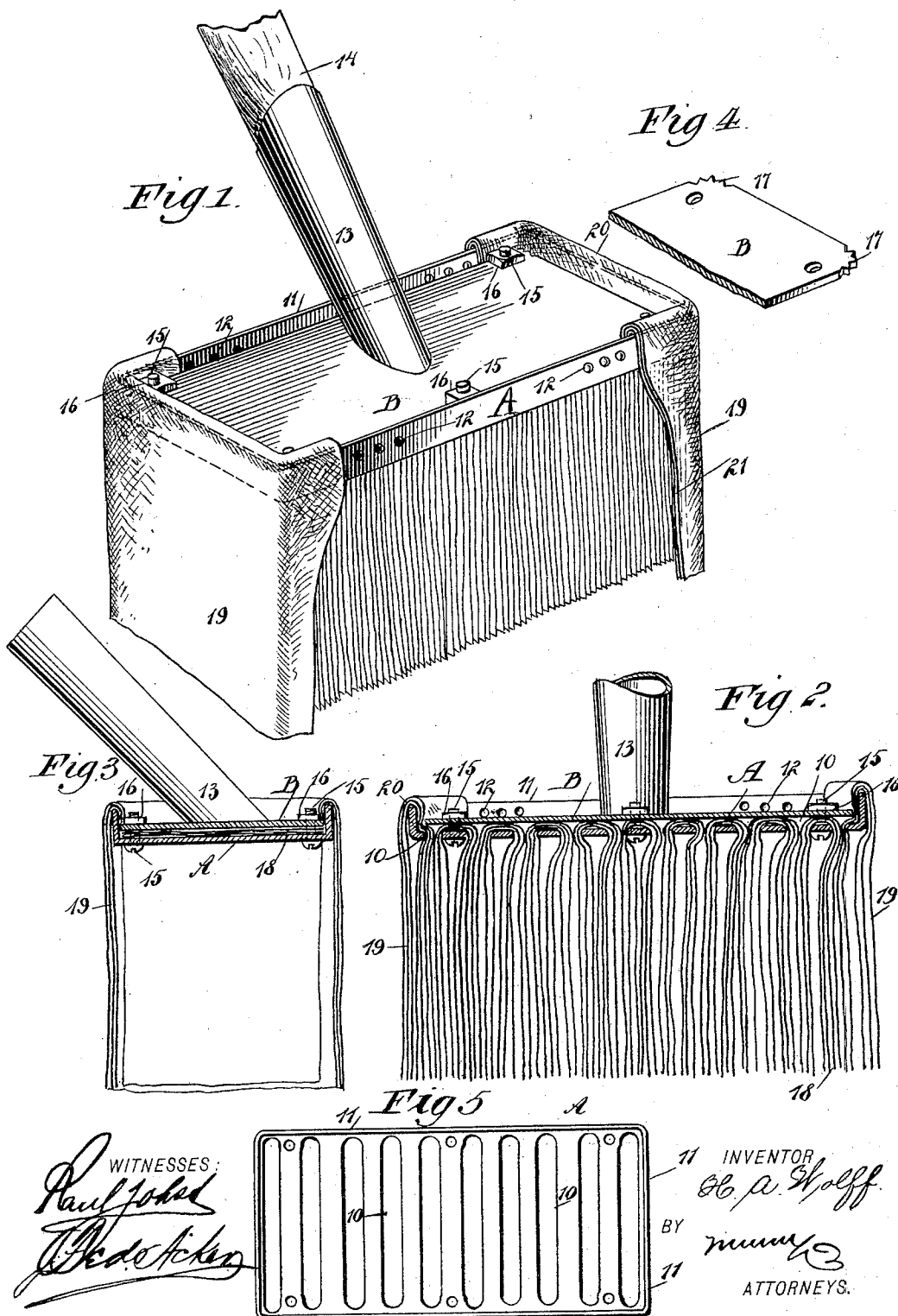


(No Model.)

H. A. WOLFF.
MOP.

No. 606,495.

Patented June 28, 1898.



UNITED STATES PATENT OFFICE.

HERRMANN A. WOLFF, OF NEW HAVEN, CONNECTICUT.

MOP.

SPECIFICATION forming part of Letters Patent No. 606,495, dated June 28, 1898.

Application filed September 23, 1897. Serial No. 652,763. (No model.)

To all whom it may concern:

Be it known that I, HERRMANN A. WOLFF, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and Improved Mop, of which the following is a full, clear, and exact description.

The object of the invention is to provide a mop which will be simple, durable, and economic in its construction and which may be used without injury to polished surfaces with which it may be brought in contact.

Another object of the invention is to so construct the mop that the mopping material may be so closely bunched or so grouped that it will act in a similar capacity to the bristles of a brush, but also, in addition to having a thorough cleansing action on the surface over which it is passed, will take up the water or washing fluid employed.

Another object of the invention is to construct the mop-head in but two parts and provide a means whereby the mopping or absorbent material used in connection with the mop-head may be expeditiously placed in position and held therein or may be readily removed and replaced.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved mop. Fig. 2 is a longitudinal vertical section through the mop. Fig. 3 is a transverse section through the mop, taken near one end. Fig. 4 is a perspective view of one end of the clamping member of the mop-head, and Fig. 5 is a plan view of the body portion or member of the mop-head.

The mop-head consists of a body member A and a clamping member B, both of the said members being preferably made of metal. The body member consists of a plate having a series of openings 10 made therein, the openings being preferably transversely arranged, the end openings being quite close to the end portions of the plate, and the said plate is provided with an upwardly-extending marginal flange 11, in which apertures 12 are

produced. The clamping-plate B is of such dimensions that it will fit upon the body-plate within the flange of the same, and the said clamping-plate is provided with a socket 13, which is at an angle to the clamping-plate and is adapted to receive a handle 14, as shown in Fig. 1. The two members of the mop-head—namely, the body and the clamping plate—are removably connected by bolts 15 or their equivalents, provided with suitable nuts 16, the bolts and nuts being preferably located adjacent to the flange of the body at the corners and about centrally of the sides.

The clamping-plate is preferably provided at each corner with teeth 17, as shown in Fig. 4, and the corners of the clamping-plate are rounded to a certain extent. The mopping material 18 is made in strips, and the strips, in suitable numbers, are passed downwardly through adjacent openings 10 in the body-plate, extending across the web between the openings, as shown in Fig. 2; but the mopping material 19 at the ends of the mop-head, or the material which is passed through the end openings 10, is carried forward over the flange of the body-plate at the ends and the side flanges adjacent to the ends. When the mopping or absorbent material has been threaded through or placed in position on the body-plate, the clamping plate or member B is placed in engagement with the upper surfaces of the said absorbent material, and the teeth 17 will firmly hold the absorbent material 19 at the ends of the mop-head in the position above referred to, the end absorbent material extending downward very nearly as far as the intermediate strips, and when the two members of the mop-head are firmly screwed together the absorbent or cleaning mopping material will be prevented from leaving the mop-head, and the absorbent material at the ends of the mop-head forms cushions which will prevent the said mop-head from marring any polished surface with which the head may be brought in engagement.

By assembling the absorbent material or strips in the manner above described the said strips of absorbent material may be brought so closely together as to form a compact mass of material capable of taking up water and at the same time capable of yielding in direction of either side or either end of the mop-head.

It is evident from the foregoing description that the mop consists of but few parts and that the said parts may be readily assembled and secured in place, while the complete mop will be exceedingly light, durable, and economic.

Preferably the absorbent material which is carried over the end portions of the mop-head is cut away or reduced in width at a point slightly below the head, as illustrated in Fig. 1 at 21, so as to permit free play of the absorbent material which is intermediate of the ends of the said head.

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

1. In a mop-head, the combination, with a body-plate provided with a marginal flange and a series of transversely-arranged apertures, of a clamping-plate adapted to fit upon the apertured portion of the body-plate within the flange thereof, and locking devices whereby the clamping and body plates may be secured together, for the purpose specified.

2. In a mop-head, the combination, with a body-plate provided with a marginal flange, and openings produced in its surface within the flange, of a clamping-plate fitted to the body-plate within the flange, having its end portions roughened, and means, substantially as described, for securing the clamping-

plate to the body-plate, for the purpose specified.

3. In a mop, the combination, with a body-plate provided with a marginal flange and a series of slots, and strips of absorbent material passed through the slots in the body-plate and across the webs between adjacent slots, of a clamping-plate fitted to the body-plate within the flanged portion, fastening devices whereby the body and the clamping plates are secured together, and a handle for the clamping-plate, substantially as described.

4. In a mop, the combination, with a body-plate having a marginal flange and slots in its surface within the flange, and strips of absorbent material passed downward through adjacent slots, crossing the webs between the slots, the end strips being carried upward over the ends and side portions of the flange of the body-plate adjacent to the ends, of a clamping-plate having roughened ends, the clamping-plate being fitted to the slotted portion of the body-plate, and fastening devices whereby the body and clamping plates are secured together, the said clamping-plate being provided with a socket adapted to receive a handle, for the purpose set forth.

HERRMANN A. WOLFF.

Witnesses:

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EVERARD BOLTON MARSHALL.