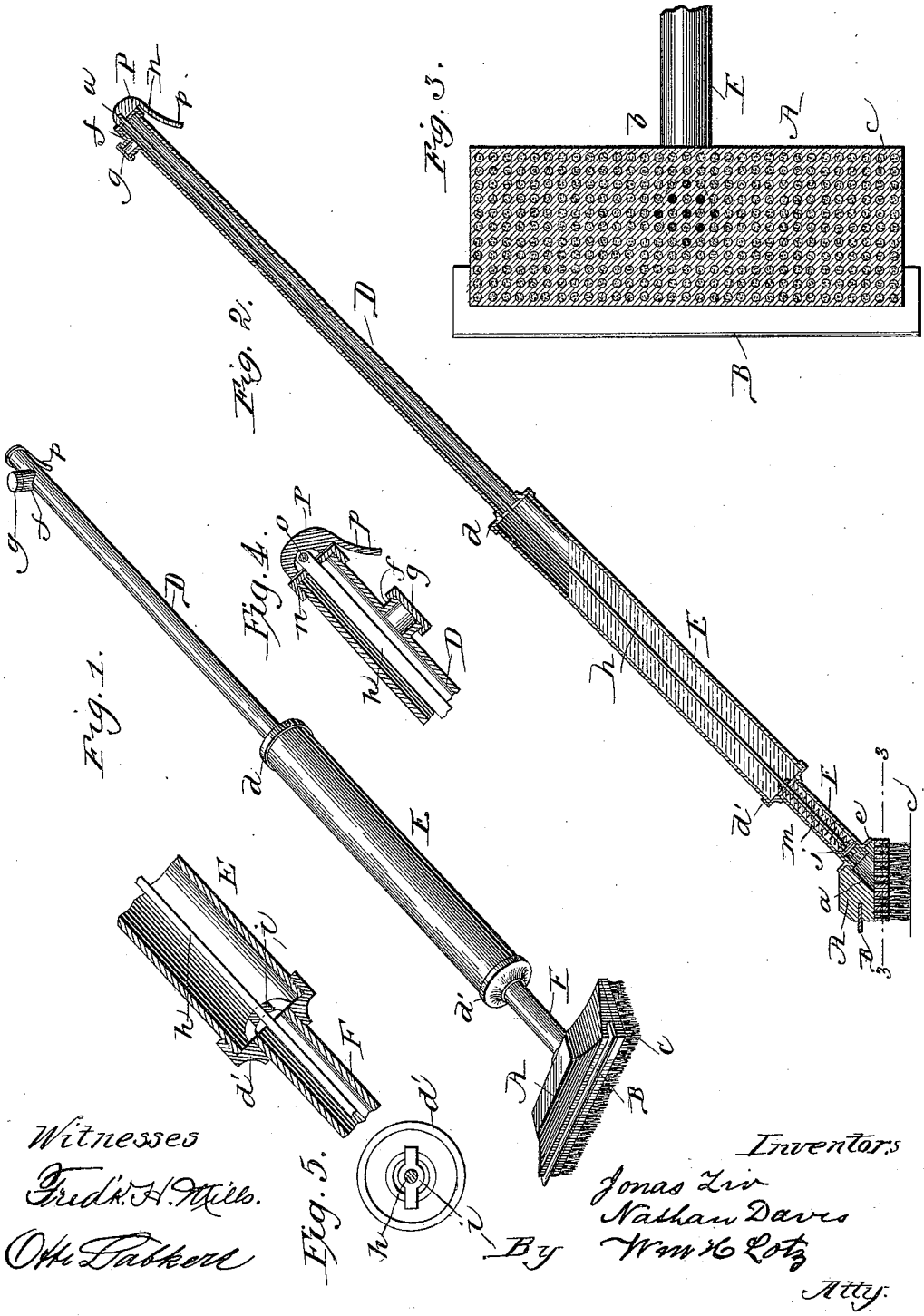
(No Model.)

J. ZIV & N. DAVIS.

SCRUBBING BRUSH.

No. 438,218. Patented Oct. 14, 1890.



Witnesses
Fred'k. H. Mills.
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UNITED STATES PATENT OFFICE.

JONAS ZIV AND NATHAN DAVIS, OF CHICAGO, ILLINOIS, ASSIGNORS, BY MESNE ASSIGNMENTS, TO SAID DAVIS.

SCRUBBING-BRUSH.

SPECIFICATION forming part of Letters Patent No. 438,218, dated October 14, 1890.

Application filed April 19, 1889. Renewed May 17, 1890. Serial No. 352,148. (No model.)

To all whom it may concern:

Be it known that we, JONAS ZIV and NATHAN DAVIS, citizens of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Scrubbing-Brushes, of which the following is a specification, reference being had therein to the accompanying drawings.

This our invention relates to brushes for scrubbing floors, and it has for its object to provide such a brush with a hollow handle forming a water-reservoir, and with a valve for allowing water from this reservoir to escape through perforations in said brush upon the floor in such quantities as may be desirable, said valve being opened by depressing a small arm applied to the end of the brush-handle; and with these objects in view our invention consists of the novel devices and combinations of devices hereinafter described, and specifically claimed.

In the accompanying drawings, Figure 1 represents a perspective view of the scrubbing-brush complete; Fig. 2, a longitudinal vertical section of the same; and Fig. 3, a section of the brush on line 3 3 in Fig. 2. Fig. 4 is a section of the upper end of the handle, on a larger scale; and Fig. 5, a plan view of the lower coupling detached.

Corresponding letters in the several figures of the drawings designate like parts.

A denotes the brush made in the usual manner with an angular socket *a* for securing the handle, which socket *a* communicates with a series of perforations *b*, provided between the tufts of bristles *c*. At its forward end the body of the brush A is grooved and has inserted a bar of rubber B, projecting sufficiently that with reversing the brush it can be used as a squillgee.

The handle is made of tubes D, E, and F, longitudinally connected by couplings *d d'*. The tube E being considerably larger in diameter than tubes D and F, it serves for a reservoir. The lower tube F, by means of a flange *e*, is secured to the body of the brush A, with its end inserted into the socket of the same. At or near its top end the tube D is provided with a nozzle *f*, through which to fill the handle with water, which nozzle is closed by a screw-cap *g*.

The rod *h* extends through handle D E F the entire length thereof, and is projected through an eyed cross-bar *i*, forming part of coupling *d'*, to be guided therein, and has a valve *j* to its lower end, which will find its seat against a bushing-ring in the end of part F of the handle, being held down upon its seat by a spiral spring *m*. The top end of the rod *h* projects through a cap *n*, screwed upon the top end of tube D, and is pivotally secured in the socket of another cap P by a pin *o*, which cap P has an arm *p*, that with pressing toward the tube D the valve *j* will be lifted, allowing water from the reservoir E to escape through the brush, and that with releasing arm *p* the spring *m* will push valve *j* upon its seat again.

While scrubbing with this brush the operator can wet the floor to a degree he may desire, the water-reservoir, when filled, serving as a weight to hold the brush down to its work, whereby the work of scrubbing floors is considerably facilitated and accelerated.

What I claim is—

The combination of a scrubbing-brush A, provided with an angular socket *a*, communicating with perforations *b*, provided between the tufts of bristles *c*, of a tubular handle made of sections D, E, and F, and secured in socket *a* to serve as a water-reservoir, a valve *j*, held to its seat by a spring *m*, a rod *h*, connected with the valve and extending through the top of the handle, where it is pivotally secured to an operating-lever P, all substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

JONAS ZIV.
NATHAN DAVIS.

Witnesses:
WILLIAM H. LOTZ,
OTTO LUBKERS.