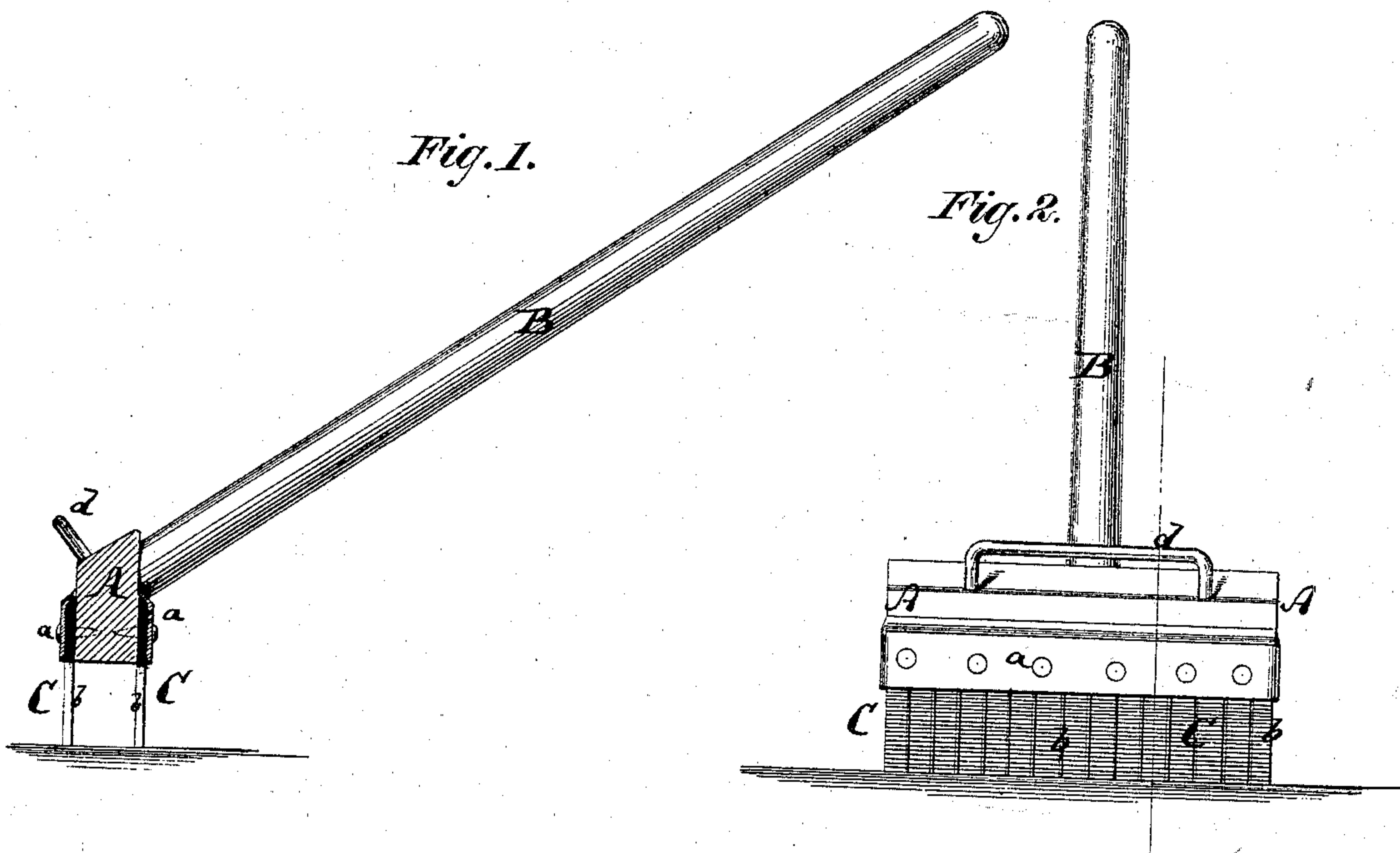


I. J. EMORY, Jr.
Scrubbers.

No. 138,322.

Patented April 29, 1873.



Witnesses:

C. Schuyler
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UNITED STATES PATENT OFFICE.

ISRAEL J. EMORY, JR., OF WEBSTER, OHIO.

IMPROVEMENT IN SCRUBBERS.

Specification forming part of Letters Patent No. **138,322**, dated April 29, 1873; application filed October 26, 1872.

To all whom it may concern:

Be it known that I, ISRAEL J. EMORY, Jr., of Webster, in the county of Scioto and State of Ohio, have invented a new and Improved Scrubber and Mopper, of which the following is a specification:

Figure 1 represents a vertical transverse section of my improved scrubber and mopper. Fig. 2 is a face view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new scrubber in which plates of rubber cut into narrow strips are employed to furnish the requisite rubbing-surfaces. These strips are fastened to the head-block by means of metal plates, and furnish excellent rubbing-surfaces that will yield to all inequalities of the floor or articles to be scrubbed, and can be used on carpets, oil-cloths, &c., without injury thereto.

In the accompanying drawing, the letter A represents the head or block of the scrubber, made of wood or other material. It is, in suitable manner, attached or attachable to the handle B. C C are plates of elastic rubber fabric, fastened, by metal strips *a a* and tacks or screws, or by other suitable means, to the face and back of the block A. These rubber plates project below the block, and are, where they project, frequently cut in vertical direction to

form narrow strips *b b*, as shown in Fig. 2. The fabric used for the plate C is either pure rubber or rubber and woven fabric combined.

There may be similar additional strips C applied in grooves in the under side of the block A, or otherwise secured to said block.

This scrubber will be durable and readily adjust itself to the irregularities of any floor, pavement, or carpet, or other surface to be scrubbed. The rubber, being cut in form of teeth, makes it adhere to an uneven surface in the most perfect manner, at the same time pushing or drawing the water over the floor wherever desired, leaving the fibers of the wood or carpet uninjured.

A wire, *d*, is fastened to the block A to form a loop thereon for the reception of a mop-rag, thus allowing the convenient conversion of the implement into a mopper.

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

The rubber plates C, block A, wire loop *d*, and handle B, combined, constructed, and arranged substantially as and for the purpose specified.

ISRAEL J. EMORY, JR.

Witnesses:

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