

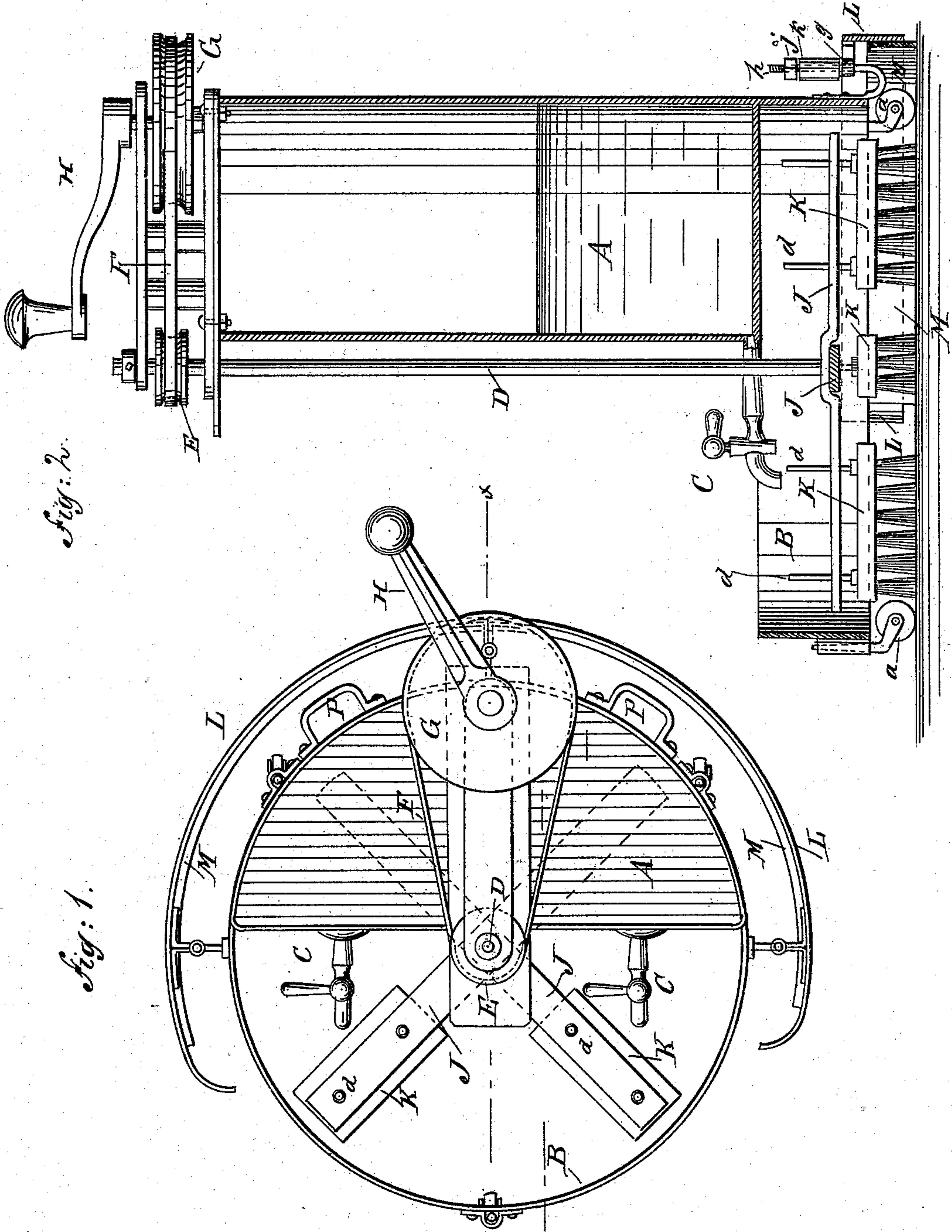
(No Model.)

P. GALLAGHER.

MACHINE FOR SCRUBBING FLOORS.

No. 271,830.

Patented Feb. 6, 1883.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

PATRICK GALLAGHER, OF NEW YORK, N. Y.

## MACHINE FOR SCRUBBING FLOORS.

SPECIFICATION forming part of Letters Patent No. 271,830, dated February 6, 1883.

Application filed July 18, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, PATRICK GALLAGHER, of the city, county, and State of New York, have invented a new and Improved Machine for Scrubbing Floors, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved machine by means of which floors can be scrubbed easily, rapidly, and conveniently.

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

Figure 1 is a plan view of my improved floor-scrubbing machine. Fig. 2 is a cross-sectional elevation of the same on line *xx*, Fig. 1.

The tank A, made of wood or metal, and of any desired or suitable shape, but preferably made semi-cylindrical, as shown, is supported by rollers or casters *a*, attached to the lower edge of the circular frame B, on which this tank A rests, one-half of this frame projecting from the straight side of the tank. The faucets C project from the straight side of the tank A into the projecting part of the frame B, as shown. A vertical shaft, D, is journaled on the tank A, in front of the straight side of the same, and on its upper end is mounted a pulley, E, over which a belt, F, passes, which also passes over a pulley, G, the shaft of which is provided with a crank-handle, H, for rotating this pulley G, whereby the pulley E and the shaft D will be rotated. Two crossed arms, J, are attached to the lower end of the shaft D, and at the ends of these arms brushes K are held loosely, which brushes rest on the floor. These brushes are provided with upwardly-projecting pintles or rods *d*, which pass through apertures in the arms J, thus permitting the brushes to move up and down slightly and adjust themselves automatically in these arms J. A semicircular frame, L, surrounds the rear part of the circular frame B, and to its lower edge is attached a rubber strip, M, of any desired thickness, the edge of which rests on the floor. The semicircular frame L is provided with lugs *g*, through which downwardly-

bent hooks *h* pass, which are attached to the outer surface of the frame B. By means of nuts *j* and washers *k* the lower edge of the rubber band M can be raised from the floor and can be pressed upon the same as desired.

The operation is as follows: The tank A is filled with soapsuds or water mixed with any other cleaning-liquid used in cleaning floors. The brushes K are adjustable in the arms J, and the rubber strip or band M is pressed on the floor by means of the nuts *j* and washers *k*. Then the operator opens the faucets C more or less and rotates the arms J carrying the brushes by turning the handle H, and moves the entire machine over the floor to be cleaned. The rotating brushes scrub the floor and clean the same thoroughly, and the rubber band M, resting on the floor, carries the water along with the machine, thus permitting this water to be wiped up by means of mops and like implements. The tank is preferably provided with handles P for moving and guiding it over the floor.

This machine can be made of any desired size, as circumstances may require, and, if desired, the floor-drying apparatus, consisting of the frame L and the rubber band M, may be detached from the machine, and may be constructed as a separate part, which is passed over the floor behind the floor-scrubbing machine. However, I prefer to unite the two parts.

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

1. A scrubber having each brush provided with separate pintles *d*, passing up through and remaining loose in the arms J of a rotary frame, as shown and described.

2. The combination, in a scrubbing-machine, of the outer frame, L, with the inner frame, B, lugs *g*, hooks *h*, nuts *j*, and washers *k*, whereby the frames are connected so as to admit of the adjustment of the rubber, as described.

PATRICK GALLAGHER.

Witnesses:

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