

(No Model.)

J. C. GARROTT.
FLOOR SCRUBBING MACHINE.

No. 282,713.

Patented Aug. 7, 1883.

Fig. 1.

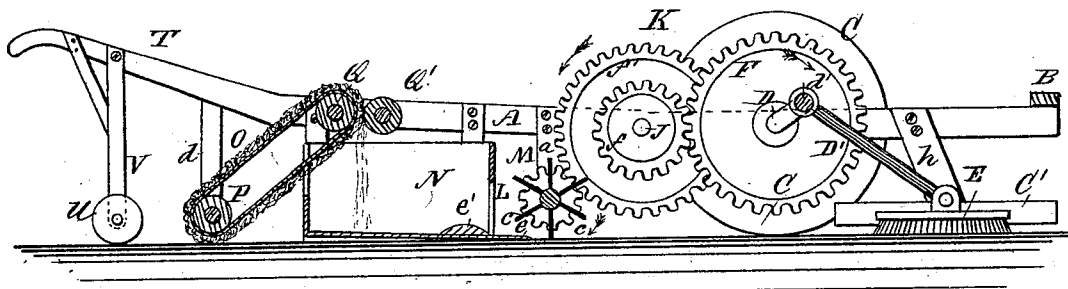
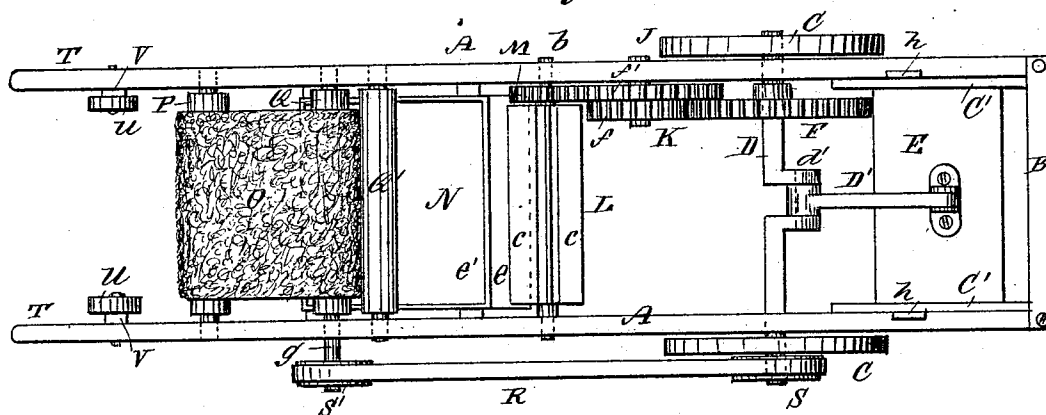


Fig. 2.



WITNESSES :

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JOSEPH C. GARROTT, OF BROOKLYN, NEW YORK.

FLOOR-SCRUBBING MACHINE.

SPECIFICATION forming part of Letters Patent No. 282,713, dated August 7, 1883.

Application filed October 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH C. GARROTT, of Brooklyn, Kings county, New York, have invented a new and useful Improvement in Floor-Scrubbing Machines, of which the following is a full, clear, and exact description.

The object of my invention is to provide a floor-scrubbing machine, to be moved over the floor by hand, which will scrub the floor and wipe or take up the dirty water from the floor and deposit it in a receptacle attached to the machine for that purpose.

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 figures.

Figure 1 is a sectional side elevation of my new and improved scrubbing-machine, and Fig. 2 is a plan view thereof.

The side bars, A A, and end cross-bar, B, constitute the frame of the machine. C C are the drive-wheels secured to the crank-shaft D, journaled in the side bars, A A.

To the crank *d'* of the shaft D is attached the pitman D', which connects the shaft D with the scrubbing-brush E, which rests on the floor and runs between the guide-bars C' C', which are secured to the side bars, A A, in front of the crank-shaft D, by the downwardly-projecting arms *h h*. In rear of the shaft D is journaled on the pintle J the intermediate double cog-wheel K, (consisting of wheel *f* and larger cog-wheel *f'*), through which the proper rotary motion is communicated from the shaft D to the wiper-wheel L, which is journaled in the downwardly-projecting arms *a a* of the frame, the cog-wheel F of the shaft D meshing with the cog-wheel *f* of the double cog-wheel, and the cog-wheel *f'* thereof meshing with the cog-wheel M on the shaft *b* of the wiper-wheel, as shown. The wiper-wheel L is provided with the radial rubber wings *e*, and is held by the arms *a a* so near the floor that these wings, as the wiper-wheel revolves, come in contact with the floor and wipe the water, dirt, &c., off from the floor, and move it back over the lip *z* and swell *e'*, into the receptacle N, which is attached to the side bars, A A, and carried near the floor for that purpose.

O is an endless wiping-apron running in rear of and over the receptacle N. This apron

is covered with sponges or other similar material for wiping up and absorbing the water from the floor, and is held in contact with the floor by the roller P, journaled in the arms *d d*, and the apron is caused to travel by the roller Q, journaled in the bars A A, over the receptacle N, and is revolved by the belt R, passing over the pulley S, attached to the shaft D, and the pulley S', attached to the shaft *q* of the roller Q.

Q' is a roller journaled in the side bars, A A, just in front of the roller Q, for squeezing the apron O above the receptacle N, for freeing it from the water, &c., which it has taken up into the receptacle, as indicated in Fig. 1.

T T are the handles by which the machine is shoved over the floor, and U U are small wheels or casters journaled to the legs V V for facilitating the movement and easy operation of the machine.

In use the water, in suitable quantities, is first poured upon the floor or surface to be cleaned, and then the machine is moved over it, which causes the brush E to scrub the floor or surface and loosen the dirt. The wiper-wheel L then acts upon the floor or surface and removes the dirt, and forces the same, together with the larger part of the water, back into the receiver N. After this the apron O wipes up and absorbs the remaining water from the floor or surface and deposits it in the receptacle N, thus leaving the floor clean and comparatively dry. Just in rear of the lip *e* of the receiver N is formed the swell or enlargement *e'*, above mentioned, over which the water, dirt, &c., is thrown by the wheel L, and which thus serves as a dam for keeping the dirt, &c., in the receiver.

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

1. The combination, in a scrubbing-machine, of the brush E, wiper-wheel L, wiping-apron O, receptacle N, and means for operating the parts, substantially as set forth.

2. The combination, with the receptacle N, having an opening in the upper end of its back, and swell *e'*, of the rollers P Q, apron O, provided with sponges, and leading over the receptacle, and pressure-roller O', sub-

stantially as described, and for the purpose set forth.

3. The scrubbing-machine herein shown and described, consisting of the reciprocating
5 brush E, crank-shaft D, drive-wheels C C, intermediate double gear-wheel, K, wiper-wheel L, receptacle N, wiping-apron O, and rollers

P and Q Q', the roller Q being revolved by the belt R, passing over the pulleys S S', substantially as set forth.

JOSEPH C. GARROTT.

Witnesses:

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