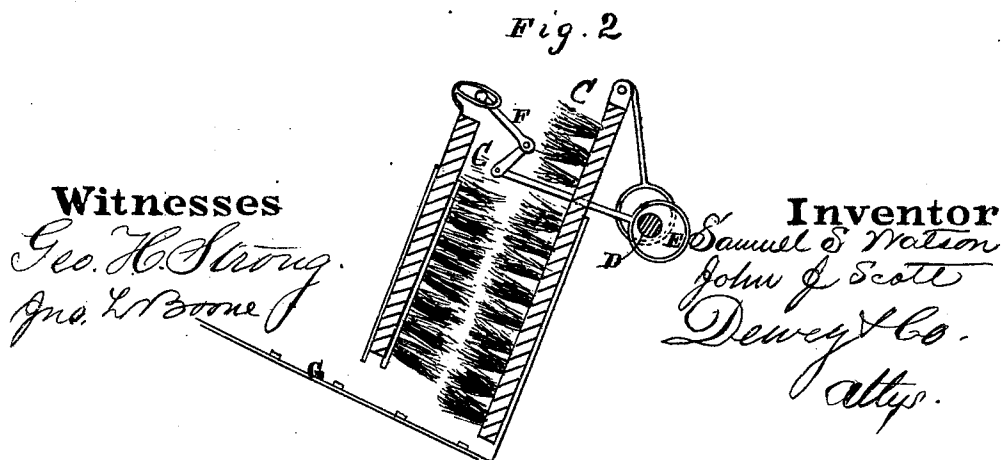
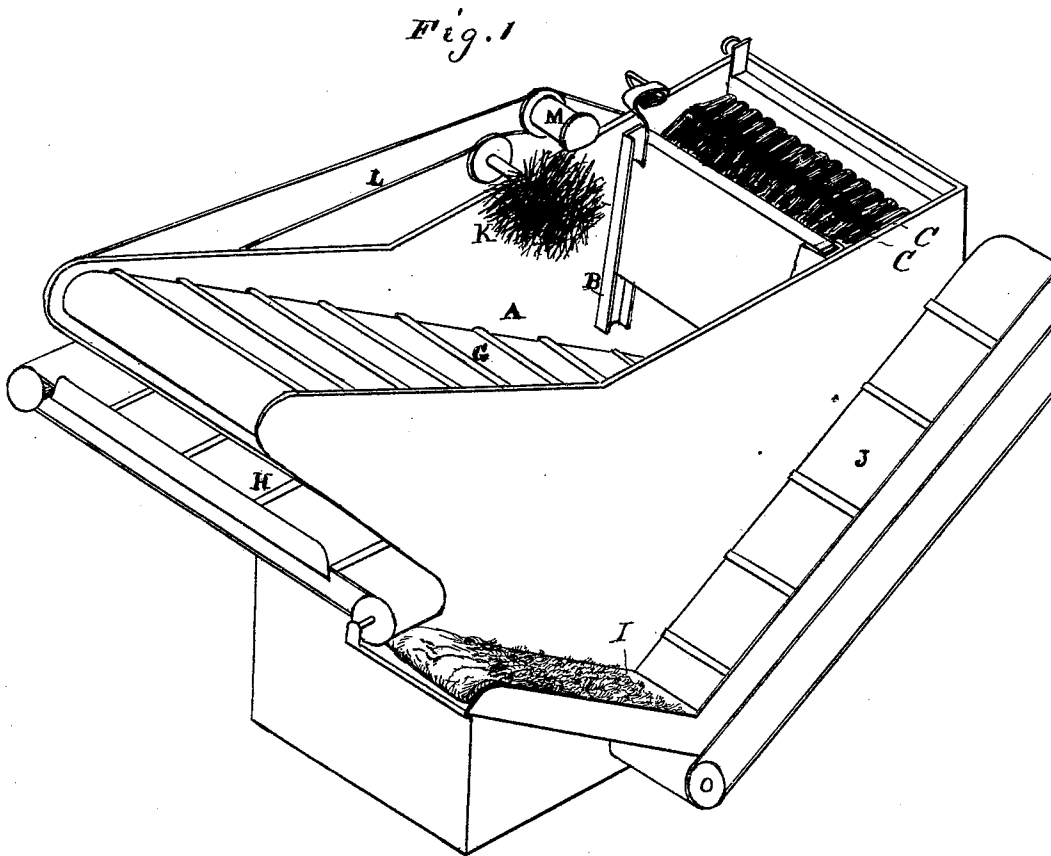


S. S. WATSON & J. J. SCOTT.
DISH-WASHING APPARATUS.

No. 195,779.

Patented Oct. 2, 1877



UNITED STATES PATENT OFFICE.

SAMUEL S. WATSON AND JOHN J. SCOTT, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN DISH-WASHING APPARATUS.

Specification forming part of Letters Patent No. **195,779**, dated October 2, 1877; application filed July 9, 1877.

To all whom it may concern:

Be it known that we, SAMUEL S. WATSON and JOHN J. SCOTT, of the city and county of San Francisco and State of California, have invented a Dish-Washing Apparatus; and we do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings.

Our invention relates to a novel apparatus for the washing and cleansing of dishes, glass-ware, and other articles of table-service or household use; and it consists of a water-tank with a series of cleansing brushes or rolls, with suitable carrying-belts and drying-cloths or towels, so that the operation may be completed at once.

In the accompanying drawings, Figure 1 is a perspective view of our invention. Fig. 2 is a view showing the manner of driving the brushes.

A is a tank of suitable size and shape for containing water, and to allow the apparatus necessary to be placed therein. At one end of this tank guides B are placed, at such an angle as will admit frames carrying the brushes C, which stand facing each other and nearly or quite in contact, so that the articles to be washed may be introduced between them, and, by a reciprocating movement of the brushes, be cleansed. A driving-shaft, D, extends across the tank, and upon one end are placed cranks or eccentrics E, and these are connected, by rods or bell-crank levers F F, with the brush-frames, so as to give them the necessary reciprocating movement.

A carrying-belt, G, receives the articles from the lower ends of the brushes, and transports them to the opposite upper side of the tank, where they are delivered upon a transverse carrying-belt, H. This latter belt carries the washed articles to a sort of chute, I, having towels, cloths, or soft brushes so arranged as to dry the articles while they pass over them. From these drying-towels the articles pass to

the exterior elevating-belt J, which brings them again within reach of the operator, or to a point near where they are introduced, so that they can be taken off, and any finishing touches may be applied if necessary, and the dishes stored away for future use. K is a brush mounted upon a rotary axle, and operated by the driving-belt L. This brush serves to clean glasses, small pitchers, and similar articles. M is a scouring-wheel, operated by the same belt, and is used for cleaning knives, &c.

The whole apparatus forms a complete dish-washing machine, which may be fitted for any class of work to be done.

Variations may be made in the form of the machine to suit the place in which it is to be used.

We claim as new and desire to secure by Letters Patent—

1. The combination, with the cleaning-brushes C, of the elevating-belt G, belt H, and chute I, provided with towels or other suitable material for partially drying the dishes, substantially as herein shown and described.

2. The combination, with the cleaning-brushes C, of the belts G H, chute I, and elevator J, all constructed and relatively arranged to operate substantially as herein shown and described.

3. In combination with the washing, elevating, and drying apparatus, as herein described, the elevator J, substantially as described.

4. The shaft D, with its cranks or eccentrics E, and the levers or connecting-rods F F, for the purpose of operating the brushes or washers C, substantially as herein described.

In witness whereof we have hereunto set our hands and seals.

S. S. WATSON. [L. s.]
JOHN J. SCOTT. [L. s.]

Witnesses:

GEO. H. STRONG,
FRANK A. BROOKS.