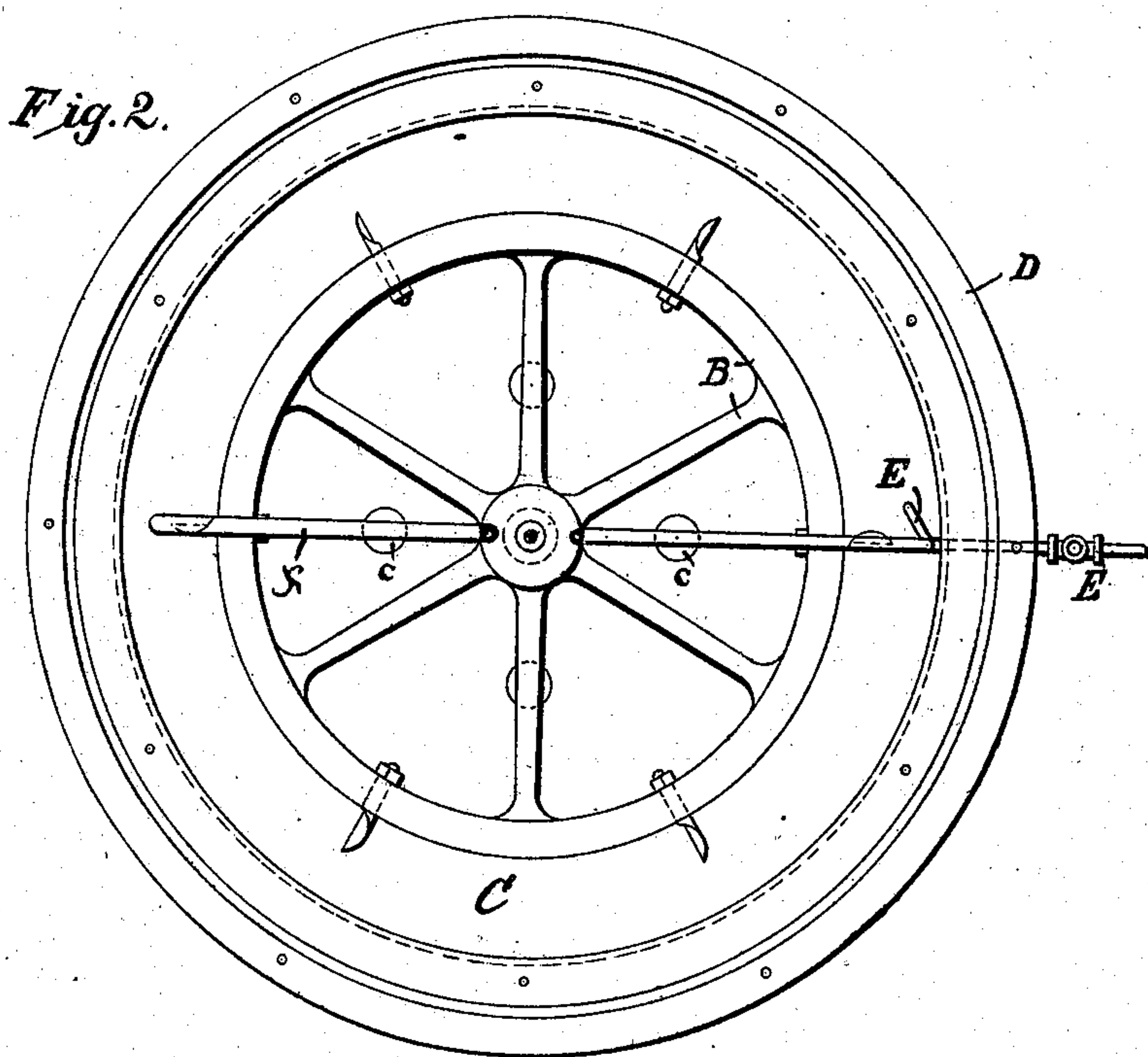
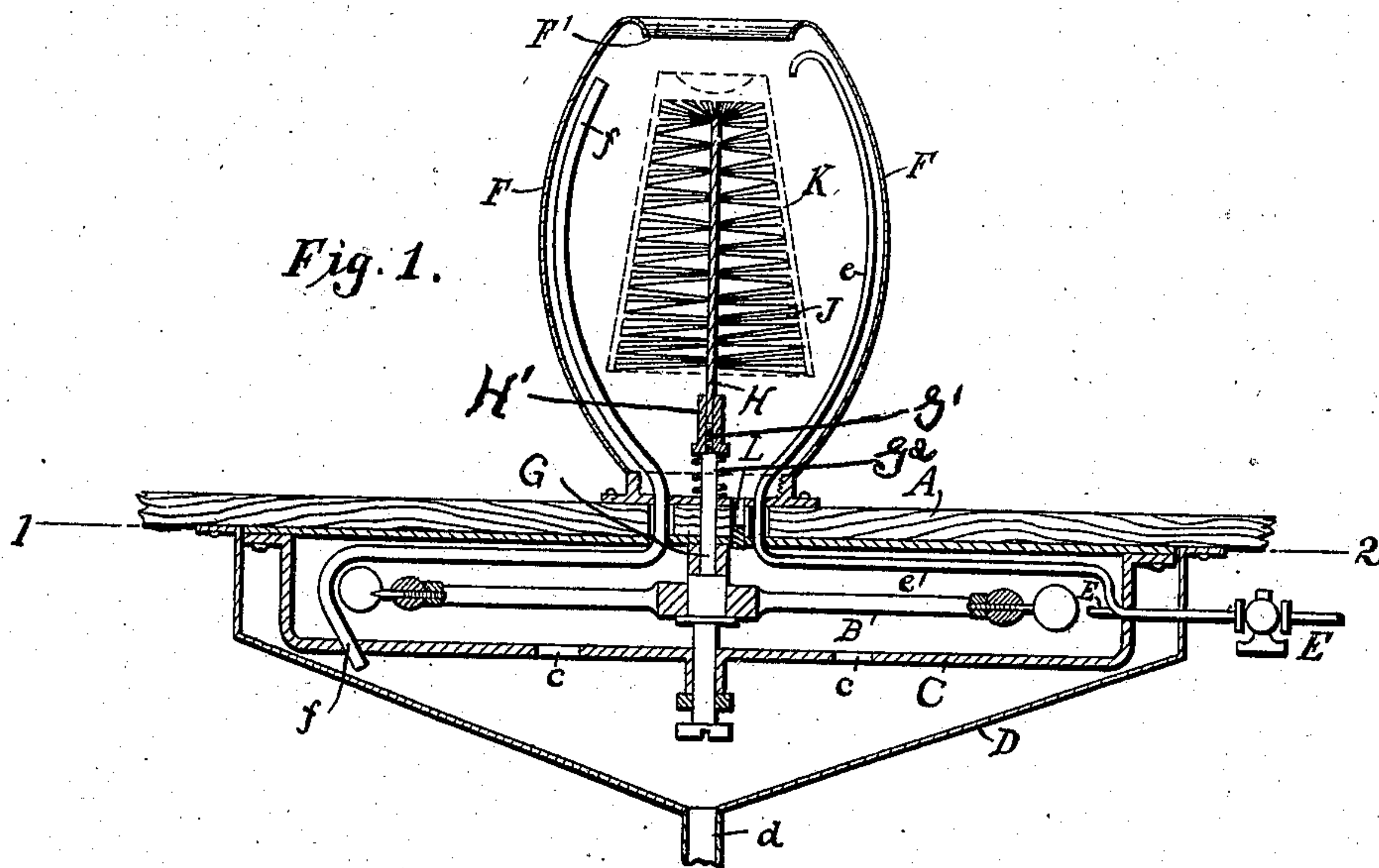


No. 881,898.

PATENTED MAR. 17, 1908.

W. A. H. CAMERON & J. W. MARSHALL.
MACHINE FOR WASHING DRINKING GLASSES.

APPLICATION FILED NOV. 21, 1905.



Attest:

Edw. L. Tolson.
B. G. Phillips.

Inventors.

William Andrew Hardie Cameron
James Wiseman Marshall.

UNITED STATES PATENT OFFICE.

WILLIAM ANDREW HARDIE CAMERON AND JAMES WISEMAN MARSHALL, OF WELLINGTON,
NEW SOUTH WALES, AUSTRALIA.

MACHINE FOR WASHING DRINKING-GLASSES.

No. 881,898.

Specification of Letters Patent.

Patented March 17, 1908.

Application filed November 21, 1905. Serial No. 288,459.

To all whom it may concern:

Be it known that we, WILLIAM ANDREW HARDIE CAMERON, bookkeeper, and JAMES WISEMAN MARSHALL, watchmaker and jeweler, both subjects of the King of Great Britain and Ireland, and residents of Wellington, in the State of New South Wales, Commonwealth of Australia, have invented a certain new and useful Machine for Washing Drinking-Glasses, (for which we have applied for Letters Patent of the Commonwealth of Australia, No. 3,360, and dated the 10th day of June, 1905,) of which the following is a specification.

This machine is adapted to wash drinking glasses, tumblers, wine glasses, and similar receptacles.

It consists of a table from which projects upwards a bowl, preferably of glass. Through the center of the bottom of the bowl projects upwards a spindle which is operated by any suitable motor, such as a Pelton wheel. A brush on a spindle is screwed on to the motor spindle and occupies the center of the bowl. Means are provided for filling the bowl with water and for drawing off the surplus water from the bowl. The glass is introduced mouth downwards, through an opening at the top of the bowl and placed over the brush and held there by the hand of the operator in such a way that the bristles of the brush may thoroughly cleanse the interior of the tumbler or other vessel. Means are provided for emptying the bowl of water and for drawing off the water which actuates the Pelton wheel, if that form of motor be employed. Different shaped brushes adapted to fit different shaped glasses may be installed on the motor spindle as required.

In the accompanying drawings:—Figure 1 is a vertical section of the apparatus; Fig. 2 is a sectional plan of same, the section being taken on the line 1—2 of Fig. 1.

A is a table, B the Pelton motor, which is inclosed in a casing or frame C provided with apertures *c* through which the water can escape, and the whole of the appliance below the table is inclosed within a conical sink D provided with a drain pipe *d* through which the water may escape from the sink. The spindle G of the Pelton wheel is slidably

journalled in bearings in the frame C and table A. A water pipe E admits the water to drive the Pelton wheel, if such a motor be used, and the same pipe, by a branch *e*, will fill with water the bowl or vessel F that projects upward from the table A. An overflow pipe *f* will allow the surplusage of water in the bowl F to escape. The spindle G of the Pelton wheel B projects upwards through the bottom of the bowl F and is adapted to receive a screw spindle H that carries the bristles J with which the glass is to be washed. The spindle H carries a sleeve H' on its lower end which sleeve has a screw threaded bore adapted to receive the screw threaded reduced end G' of the spindle G and a spring G² situated between the sleeve and a stationary part of the frame acts as a seat for the brush spindle. The tumbler or other vessel K (which is shown by dotted lines in Fig. 1) is introduced through the opening F' in the top of the bowl F and will be held there by the hand of the operator until the glass has been properly cleaned; it may then be left for a few seconds to rotate with the spindle H in the water which is in the bowl F until the outside of the glass is cleaned.

Different shaped brushes may be secured on the spindle G, such brushes being adapted to suit the contour of different forms of glasses, such as tumblers, port and sherry glasses, champagne glasses, and such like variations of contour. An aperture L in the bottom of the bowl F, (the same being stopped by an ordinary sink plug) is adapted to empty the bowl F of water when the apparatus is not in use.

Having now described our invention, what we claim as new and desire to secure by Letters Patent is:—

In a machine for washing glasses, a table, a sink secured to the underside thereof, a casing in said sink, a motor wheel in said casing, a spindle on said wheel projecting above the table, a removable brush spindle adapted to be carried thereby, a bowl secured to the table and surrounding the brush spindle, a water supply pipe extending into the casing in the sink for delivering water to the wheel to rotate the same, a branch pipe connected to said water pipe and passing through the

table and into the bowl to a point above the
brush spindle; an overflow pipe leading from
the top of the bowl through the table and
casing to the sink, said casing having outlet
5 openings to the sink, and a passage leading
to the bowl and means for closing said pas-
sage.

In witness whereof we have hereunto set
our hands in presence of two witnesses.

WILLIAM ANDREW HARDIE CAMERON.

JAMES WISEMAN MARSHALL.

Witnesses:

JOHN THOMAS PRICHARD BASSETT,

CLIFTON CLARK, Jr.