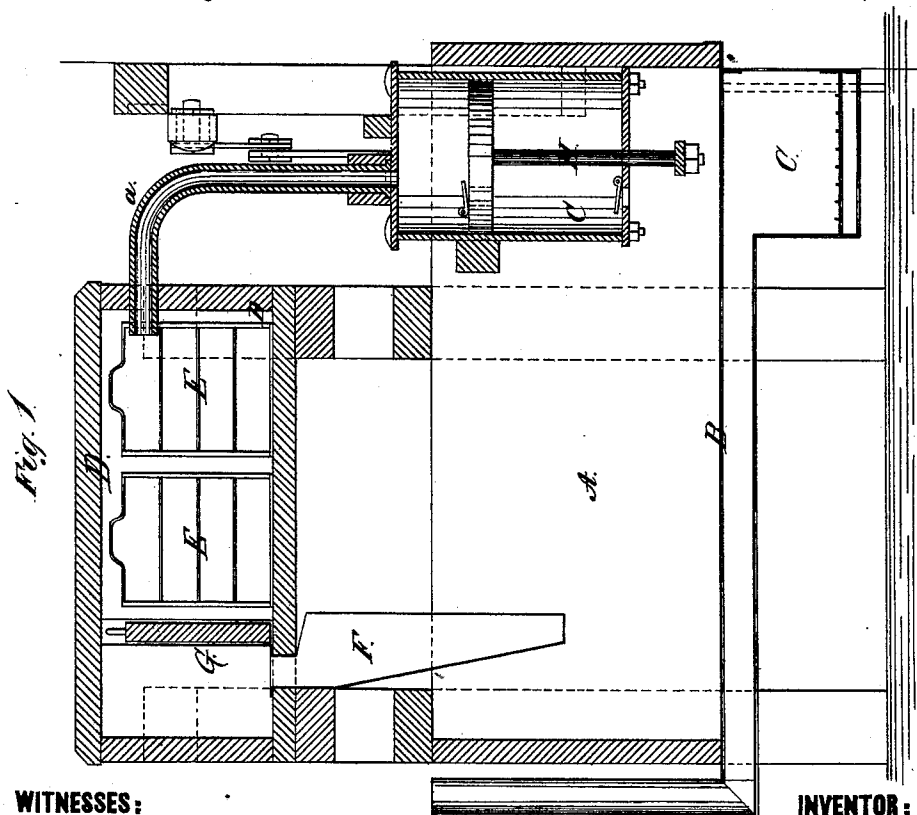
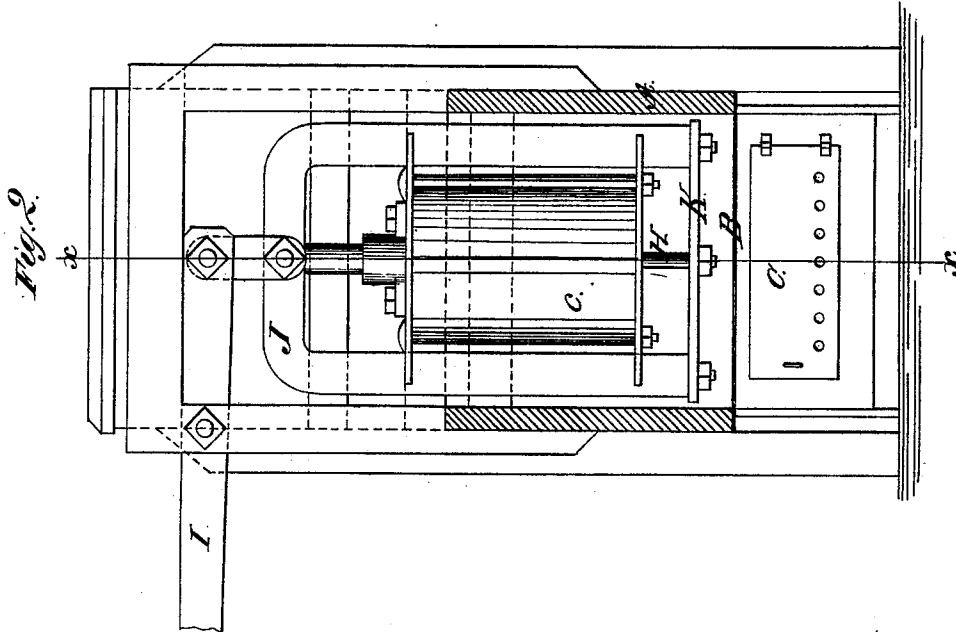


R. W. CHAPPELL & I. MAYFIELD.

DISH-CLEANER.

No. 176,510.

Patented April 25, 1876.



WITNESSES:

H. Rydgrenst
John Bethals

INVENTOR:

R. W. Chappell
I. Mayfield

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ROBERT W. CHAPPELL AND ISAAC MAYFIELD, OF SPENCER, INDIANA.

IMPROVEMENT IN DISH-CLEANERS.

Specification forming part of Letters Patent No. **176,510**, dated April 25, 1876; application filed February 21, 1876.

To all whom it may concern:

Be it known that we, ROBERT WELSH CHAPPELL and ISAAC MAYFIELD, of Spencer, in the county of Owen and State of Indiana, have invented a new and Improved Machine for Washing Dishes and other matters, of which the following is a specification:

The invention consists in connecting the chamber for holding the dishes or other articles with the upper part of pump-cylinder by a pipe, and with the water-tank by a spout; also, in using a gate and rack in connection with the dish-chamber, all as hereinafter described.

Figure 1 is a sectional elevation of our improved machine, taken on the line *xx* of Fig. 2; and Fig. 2 is a transverse section, taken on line *yy* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is the lower compartment of the tank in which the water is to be heated on the top B of the furnace C, which forms the bottom of the tank. C is the pump in said lower compartment for forcing the hot water up through pipe *a* into compartment D, in which the

dishes or other matters to be washed are placed in wire baskets, E, or other similar contrivances for putting in and taking them out. F is a spout for conducting the water back into tank A, and G is a gate or partition in compartment D, to set the water back on the matters in it, when desired, or let it flow out freely, the gate being raised for the latter purpose, and shut for the former.

We are aware that dish-washers consisting essentially of a tank and force-pump are not new; but

What we claim is—

1. In a dish-washer, a chamber, D, connected by a pipe with pump, and by spout F with water-tank, for the purpose described.

2. In dish-washers, the combination, with a chamber, D, of the gate G and racks E, arranged substantially as and for the purpose set forth.

ROBERT WELSH CHAPPELL.
ISAAC MAYFIELD.

Witnesses:

JOHN S. BEEM,
SYLVANUS JOSLIN.