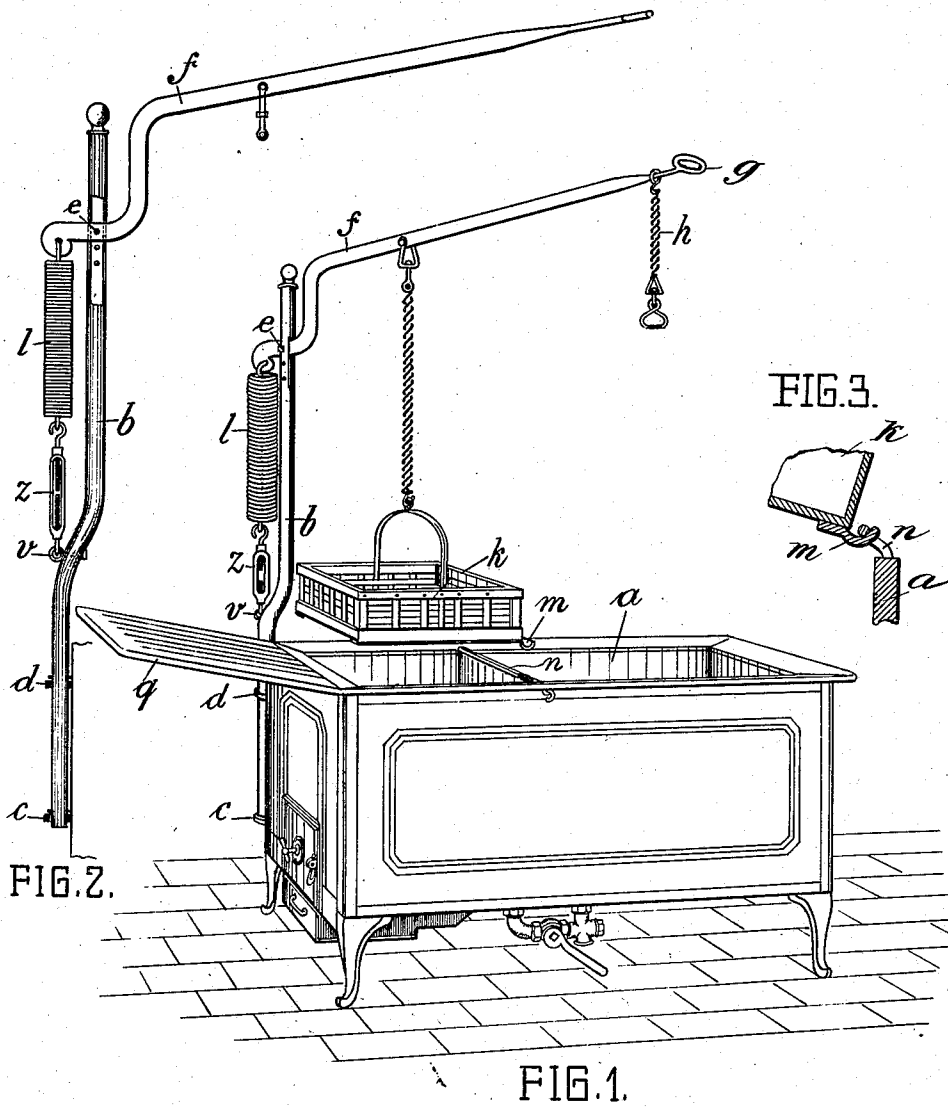


H. MÜRY.
DISH WASHING MACHINE.
APPLICATION FILED DEC. 22, 1908.

942,179.

Patented Dec. 7, 1909.



Witnesses
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HANS MÜRY, OF ZÜRICH, SWITZERLAND, ASSIGNOR TO EUGEN SÉQUIN, OF RAPPER-
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DISH-WASHING MACHINE.

942,179.

Specification of Letters Patent.

Patented Dec. 7, 1909.

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To all whom it may concern:

Be it known that I, HANS MÜRY, merchant, a citizen of the Swiss Confederation, and resident of Gotthardstrasse 55, Zurich II, Switzerland, have invented new and useful Improvements in Dish-Washing Machines, of which the following is a specification.

My invention relates to improvements in lifts for dish washing machines, in which a casket is suspended on a lever to be moved up and down as well as sideward by the operator.

The object of my improvements are firstly to provide a device by means of which the dishes to be cleaned may be moved in any direction through the water without endangering the dishes and secondly to provide means for raising the casket out of the tank and to keep it in an inclined position allowing the water to draw off.

In the accompanying drawing the invention is shown by way of an example.

Figure 1 shows the device in a perspective view and Fig. 2 a detail of the construction. Fig. 3 a sectional view of several details on a larger scale.

Near the back wall of the hot water tank *a*, a vertical post *b* of circular cross section is rotatably mounted. The lower end of the post *b* rests on a bearing *c*, the upper part of the post is held by a sleeve *d*, fixed to the back wall of the tank *a*. The post *b* is slotted and is provided with a pin *e*, on which a two armed lever *f* is movably mounted. The hind arm of lever *f* is much shorter than the front arm. A spring *l* is fixed at one end to the hind end of lever *f* and with the other end to an eye *v* fixed on the post *b* by means of a turn-buckle *z* whereby the tension of the spring may be adjusted. The spring is provided with a well-known adjusting device *z*. Spring *l* tends to keep the lever *f* in its horizontal position. The front end of lever *f* is provided with a handle *g*, and with a short piece of chain *h* on which another handle is fixed. On the lever a casket *k* is suspended by means of a flexible band, chain or the

like. To the bottom of the casket a short rail *m* is fixed, as may be seen from Fig 3 adapted to engage a cross rail *n* of the tank *a* in such a manner, that the casket is automatically put into an inclined position when raised by the lever *f* to allow the water to draw-off. The tank *a* may be provided with partition walls preferably set in such a manner that one and the same casket may be brought into any of the compartments. The tank may be heated by gas, coal etc. I wish to be understood that I do not confine my invention to the particular mode of heating the tank shown in the drawings.

To clean the dishes and the like the same are placed in the casket. The tank is filled with water, which is heated to the boiling point and then the casket is moved up and down in the water. After the dishes are clean, the lever *f* is released and the spring *l* lifts the casket out of the tank. The casket may be brought into a second compartment of the tank in order to rinse it with clean water. If the casket is left to ride by itself it will take an inclined position as the rail on the casket engages the cross rail by going upward and is kept down while the other end of the casket still goes up a certain distance. The casket may then be brought on a slanting board *q* fixed on the tank and emptied. It is of advantage to make the hook on which the casket is fixed to swivel.

Having particularly described and ascertained my invention I claim:

1. A dish washing machine comprising in combination, a tank, a post rotatably mounted adjacent said tank, a lever pivotally connected to said post, one end of said lever being provided with a handle, a spring engaging the other end of the lever, and a container for dishes suspended on said lever on the same arm whereon the handle is provided.

2. A dish washing machine comprising in combination, a tank, a post rotatably mounted adjacent said tank, a lever pivotally connected to said post, said lever being

provided on one end with a handle, a spring
engaging the other end of said lever, a cross
rail extending from one side of the tank to
the other side thereof, and a container for
5 the dishes, provided with means for engag-
ing the said cross rail of the tank to hold
said container in an inclined position.

In testimony whereof I affix my signature
in presence of two witnesses.

HANS MÜRY.

Witnesses:

GEORG ROTE,
JOSEPH SIMON.