

M. W. LARSON.

DISH WASHER.

APPLICATION FILED MAR. 10, 1910.

959,562.

Patented May 31, 1910.

Fig. 3

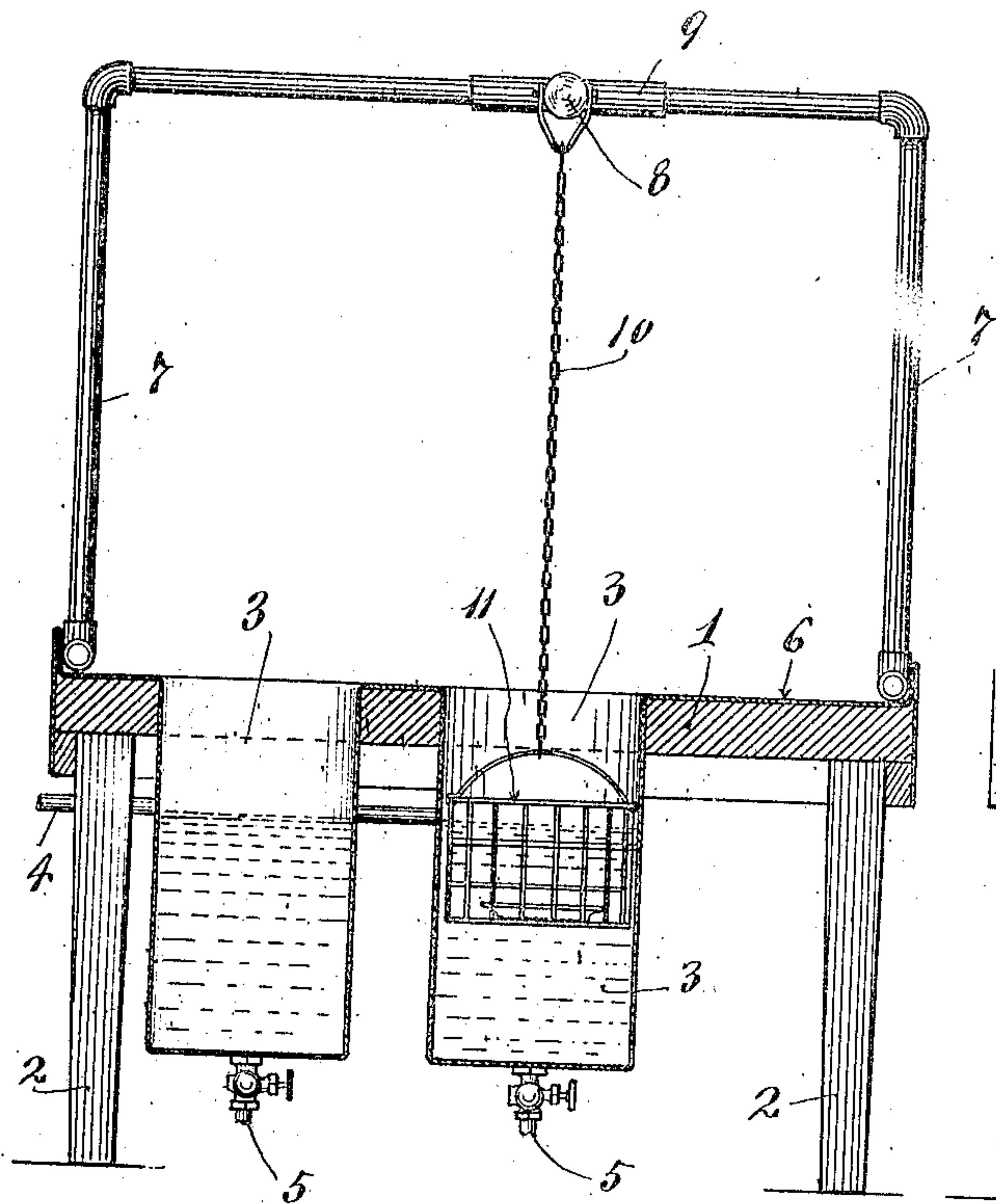


Fig. 2

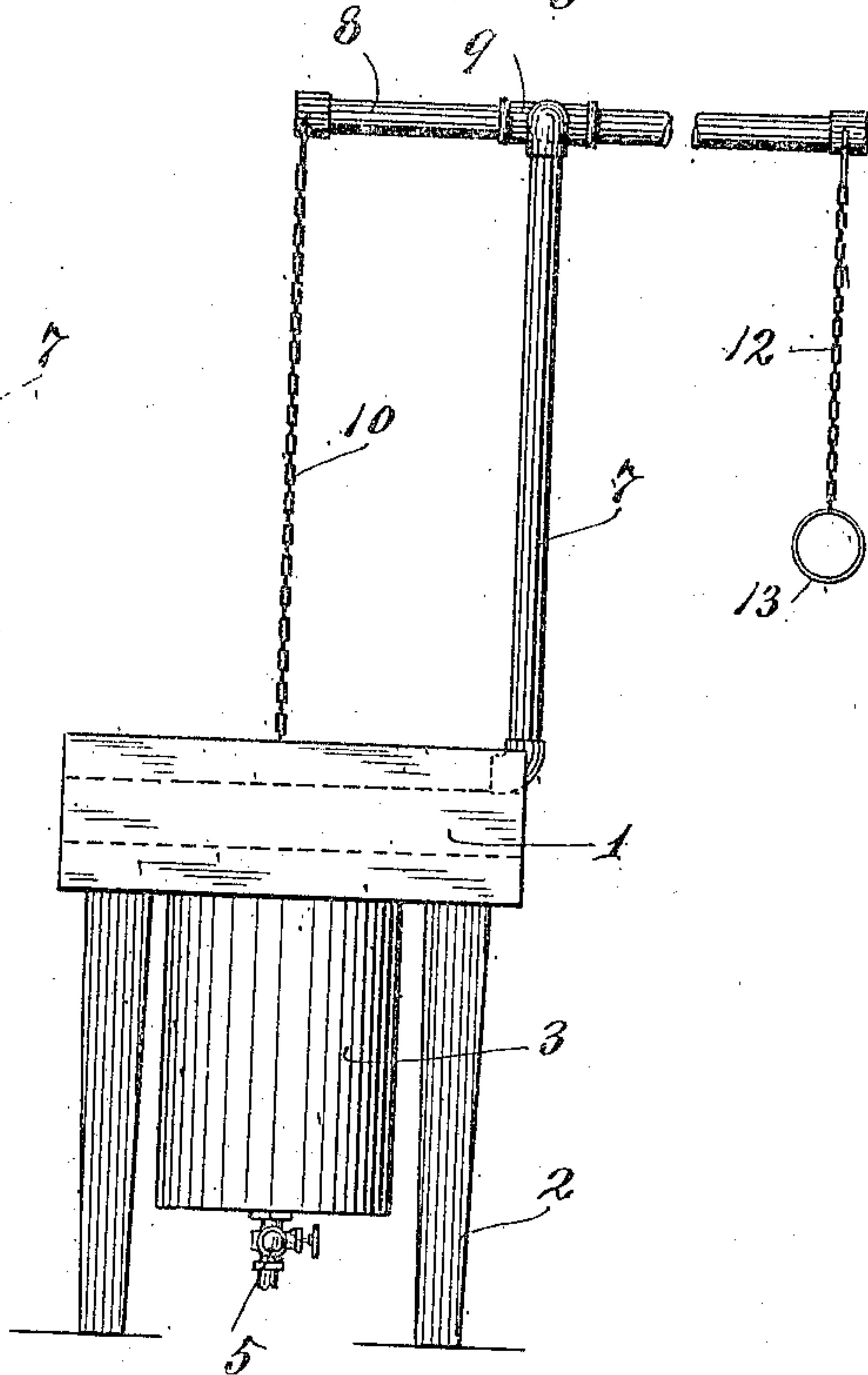
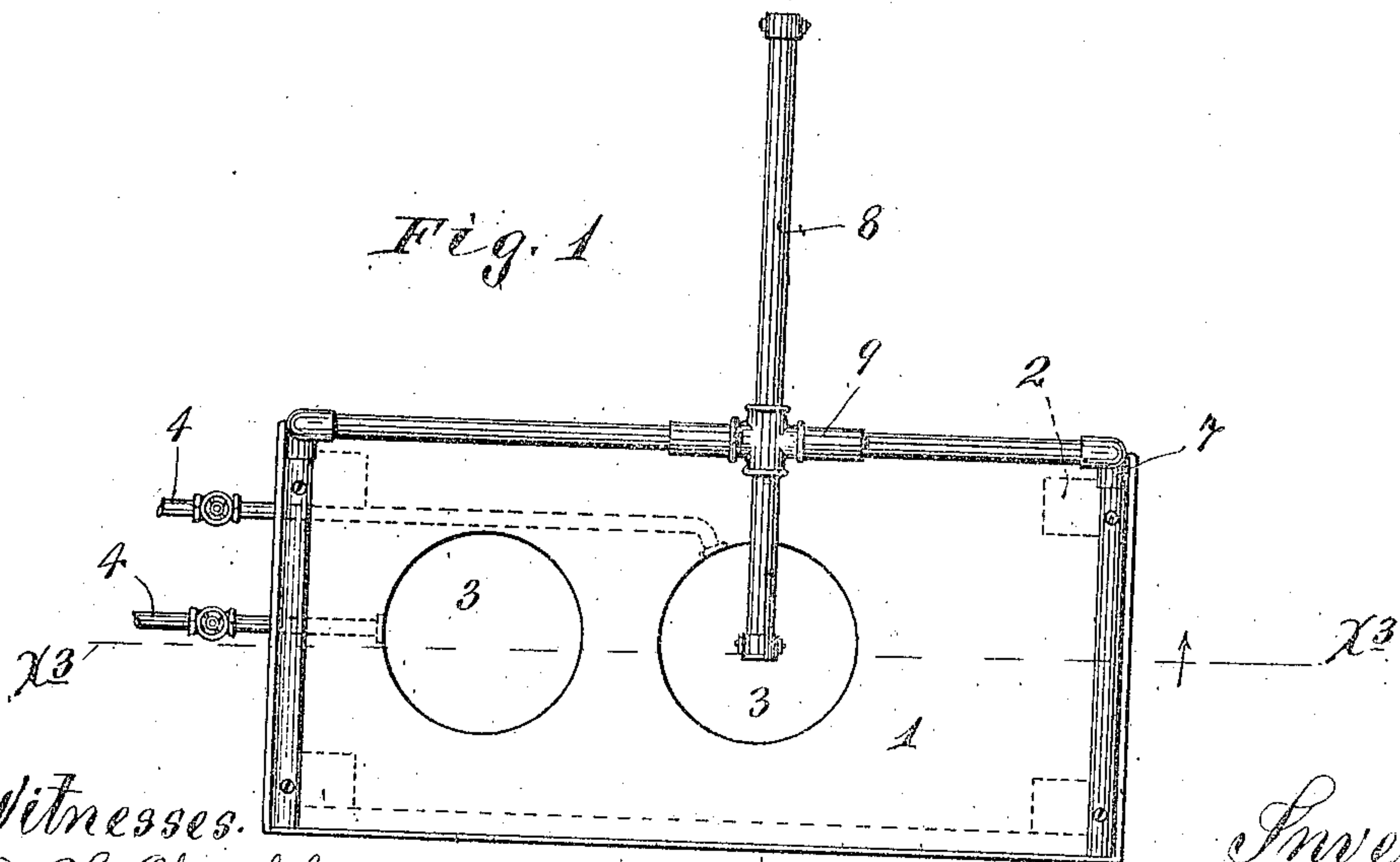


Fig. 1



Witnesses.
A. H. Opsahl.
W. H. Souba.

Inventor.
Magnus W. Larson.
By his Attorney's
Williamson Merchant

UNITED STATES PATENT OFFICE.

MAGNUS W. LARSON, OF ALBERT LEA, MINNESOTA.

DISH-WASHER.

959,562.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed March 10, 1910. Serial No. 548,421.

To all whom it may concern:

Be it known that I, MAGNUS W. LARSON, a citizen of the United States, residing at Albert Lea, in the county of Freeborn and State of Minnesota, have invented certain new and useful Improvements in Dish-Washers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object to provide a simple and highly efficient dish-washing apparatus. To this end the invention consists of the novel devices and combinations of devices hereinafter described and defined in the claims.

In the accompanying drawings which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings: Figure 1 is a plan view of the improved dish-washing apparatus. Fig. 2 is a side elevation of the same. Fig. 3 is a vertical section taken approximately on the line X³—X³.

The numeral 1 indicates a table shown as supported by legs 2. This table is preferably covered with sheet metal and it is provided with a multiplicity of depending washing tanks 3 adapted to contain hot water. The hot water is adapted to be supplied to the tanks 3 through valved pipes 4, and the soiled water is adapted to be drawn off from the tanks through valved drain pipes 5. The tanks 3 are preferably constructed of metal and at the upper ends are joined with the metallic table covering 6 so that the water will drain from the top of the table into the said tanks.

Rigidly secured to the table is a sort of inverted U shaped supporting frame 7, the transverse top bar of which extends transversely across the table in front of the tanks 3. Intermediately pivoted on the transverse top bar of the frame 7 is a lever 8 provided as shown, with a long sleeve 9 that is not only pivotally mounted on the transverse top bar of said frame 7 but is free to slide thereon.

That end of lever 8 which overlies the table, is connected by a chain 10 or other suitable flexible connection, to the bail of a dish containing basket or cage 11 preferably

constructed of wire and adapted to fit quite closely yet freely, within the tanks 3. An operating chain or connection 12 is attached to the outer end of lever 8 and is provided as shown at its lower end, with a hand ring 13. The dishes are placed within the basket 11, preferably up-side-down, and the basket may be completely filled therewith. Then by a proper sliding movement of the lever on the upper bar of frame 7 the basket is brought to position above and then is dropped into the hot water of one of the tanks 3 and the dirt or grease will be removed therefrom by the action of the hot water and by the dashing action of the water produced by the upward and downward movement of the basket within the tank. As is evident, this upward and downward movement of the basket may be easily produced by alternately pulling on the ring 13 and releasing the same. When the dishes have been quite well cleaned, the basket containing the same should be transferred into the other tank 3, which as is evident may be accomplished by a lateral sliding movement of the lever 8. Then by further upward and downward movement of the basket in this second or rinsing tank the dishes will be completely cleaned of grease and will be heated to such temperature that they will dry almost instantly after they are removed from the water.

The apparatus above described as is obvious, is simple and of comparatively small cost. It has been put into actual use in restaurants and elsewhere and has been found highly efficient for the purposes had in view.

What I claim is:

1. A dish-washing apparatus comprising a plurality of water containing tanks, an overhead transverse supporting bar, a lever pivoted on said bar and capable of sliding movements thereon, and a basket suspended from said lever adapted to be moved upward and downward within either of the said tanks, substantially as described.

2. A dish-washing apparatus comprising a table, a multiplicity of water containing washing tanks supported by and depending from said table, a supporting frame having a transverse bar overlying said table, a lever having an intermediate transversely extend-

ed sleeve pivotally and slidably mounted on the transverse bar of said frame, a basket adapted to enter either of the said tanks, a flexible connection suspending said basket from one end of said lever, and an operating connection depending from the other end of the said lever, substantially as described.

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

MAGNUS W. LARSON.

Witnesses:

EDUARD OLSON,
C. L. SWENSON.