

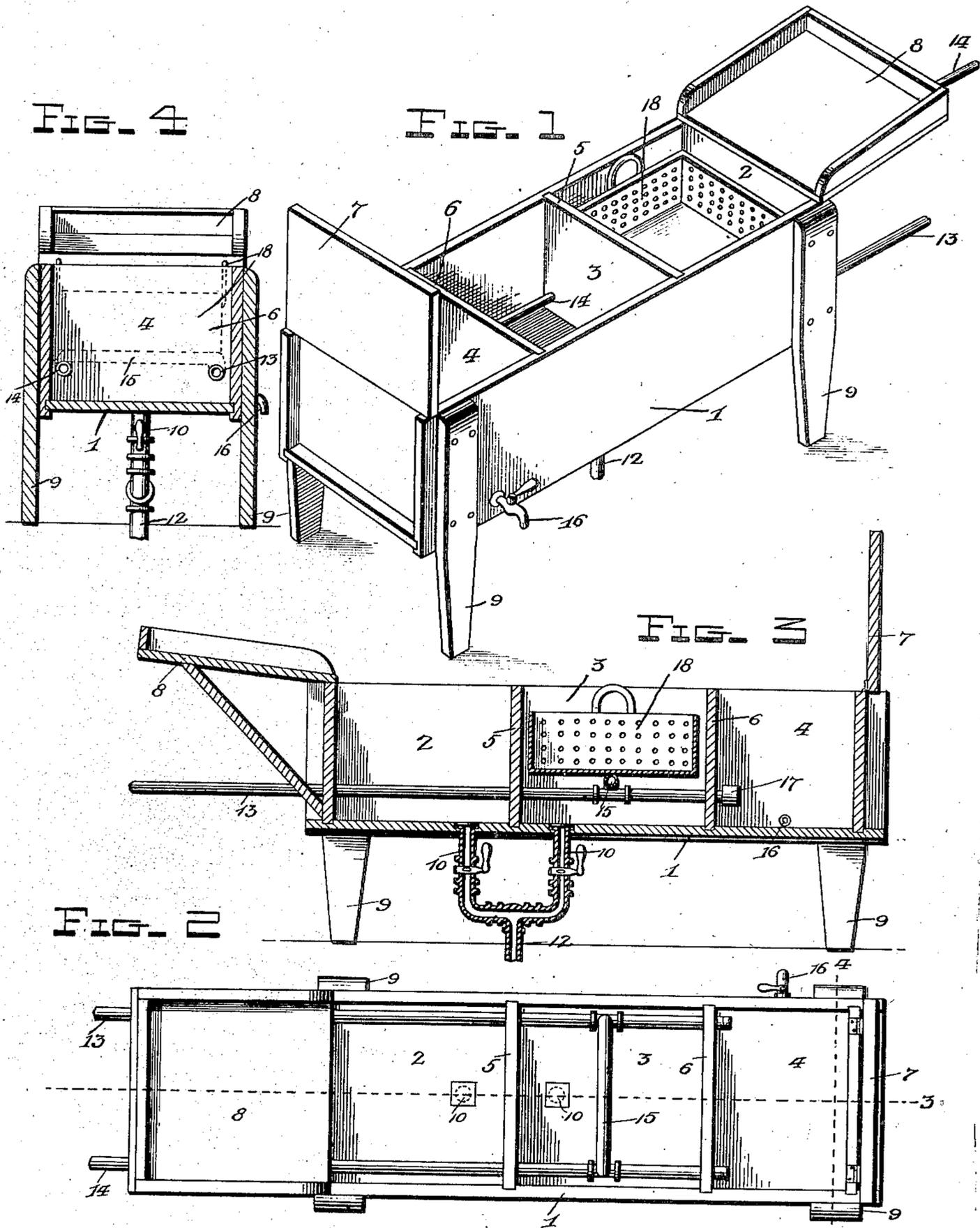
No. 622,730.

Patented Apr. 11, 1899.

E. W. SULLIVAN.  
DISH WASHER.

(Application filed Aug. 22, 1898.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

EDGAR W. SULLIVAN, OF EL RENO, OKLAHOMA TERRITORY.

## DISH-WASHER.

SPECIFICATION forming part of Letters Patent No. 622,730, dated April 11, 1899.

Application filed August 22, 1898. Serial No. 689,196. (No model.)

*To all whom it may concern:*

Be it known that I, EDGAR W. SULLIVAN, a citizen of the United States, residing at El Reno, in the county of Canadian and Territory of Oklahoma, have invented certain new and useful Improvements in Dish-Washers; and I do 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 relates to dish-washers; and the object is to improve and simplify the construction, increase the efficiency, and provide a practical effective machine of this character.

To these ends the invention consists in the construction, combination, and arrangement of the device, as will be hereinafter more fully described, and particularly pointed out in the claim.

The accompanying drawings show my invention in the best form now known to me; but many changes in the details might be made without departing from the spirit of my invention, as set forth in the claim at the end of this specification.

The same reference characters indicate the same parts of the invention.

Figure 1 is a perspective view of my improved dish-washer. Fig. 2 is a top plan view. Fig. 3 is a longitudinal section on the line 3 3 of Fig. 2. Fig. 4 is a transverse section on the line 4 4 of Fig. 2.

1 denotes a suitable tank divided into three compartments 2, 3, and 4 by the transverse partitions 5 and 6, the compartment 4 being provided with a hinged cover 7.

8 denotes an inclined drain-shelf, the lower end of which is arranged to discharge the drip-water into the compartment 2, the whole being supported on the legs 9 9.

10 10 denote the valved waste-pipes, leading from the compartments 2 and 3 and connected at their lower ends with a common discharge-pipe 12. The inner ends of these waste-pipes are provided with the usual strainers for retaining the solid particles of refuse matter and preventing the waste-pipe from clogging.

13 represents the hot-water-inlet pipe, lead-

ing from a water-back or other source of supply, and 14 denotes the outlet or return pipe, both of which are arranged in the same horizontal plane parallel with each other and extend entirely through the compartments 2 and 3 a short distance above the bottom of the tank, and their inner ends terminate in the compartment 4.

15 denotes a branch pipe connecting the inlet and outlet pipes 13 14 in the compartment 3, and when these pipes are connected to the water-back of a stove or range the water rises in the compartment 4 to the level of the water in the said water-back, and 16 denotes a supply-cock for obtaining a supply of hot water from the compartment 4 for culinary purposes. This branch pipe 15 is raised slightly above the level of the inlet and outlet pipes, as shown in Fig. 4, so as to form a bridge or rocker for the basket to rest and rock upon when in use. If the hot-water inlet and outlet pipes are connected to a boiler, then blind caps 17 (one of which is shown in Fig. 3) are used to close the inner end of the pipes 13 14 and the circulation is maintained through the branch pipe 15.

18 denotes the foraminous or reticulated baskets provided with the usual grip-handles, as shown, and they are somewhat smaller than the compartments 2 3 and are adapted to rest upon the pipes 13 14, so as to permit of a free circulation of the water around and through them.

The operation is as follows: The compartments are filled with water, which is maintained at a uniform temperature by the circulation of the hot water in the pipes 13 14 15. The basket is filled with the dishes and placed in the compartment 3, so as to rest upon the raised branch pipe 15, and the basket is then rocked to and fro to cause a free circulation of the heated water about the dishes, and they are then transferred to the compartment 2 for a rinsing, after which the basket and its contents are placed on the shelf 8 to drain.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

In combination, the tank 1 formed with the

compartments 2 3 and 4, the parallel inlet and outlet pipes 13 and 14 extending in the same horizontal plane, and the branch pipe 15 located above the plane of and communicating with said pipes 13 and 14, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

EDGAR W. SULLIVAN.

Witnesses:

THOS. F. NORMAN,  
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