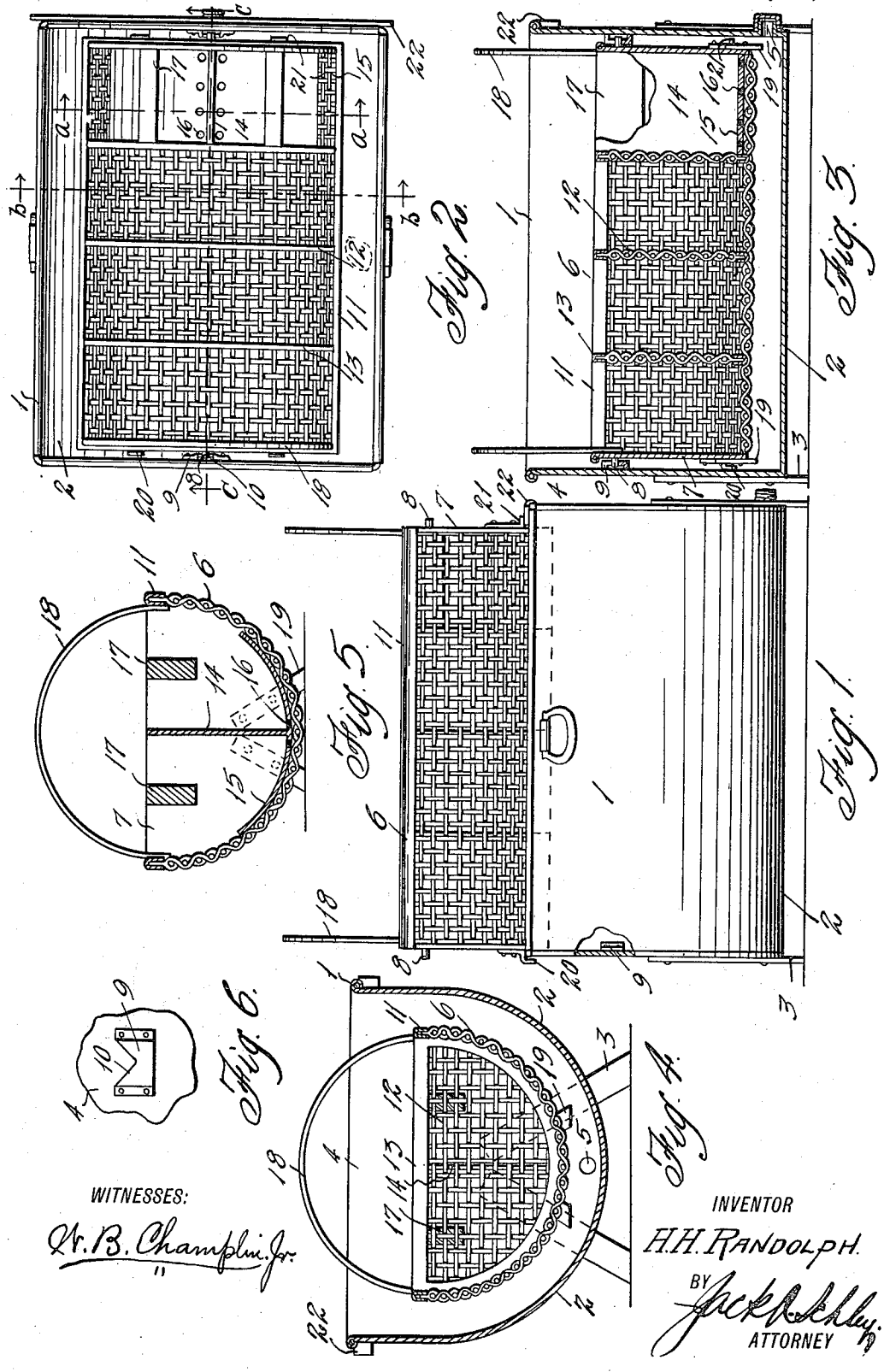
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DISH WASHING MACHINE.

APPLICATION FILED JULY 6, 1915.

1,183,493.

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WITNESSES:

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HALLIE H. RANDOLPH, OF MISSION, TEXAS.

DISH-WASHING MACHINE.

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Application filed July 6, 1915. Serial No. 38,041.

To all whom it may concern:

Be it known that I, HALLIE H. RANDOLPH, citizen of the United States, residing at Mission, in the county of Hidalgo and State of Texas, have invented certain new and useful Improvements in Dish-Washing Machines, of which the following is a specification.

This invention pertains to new and useful improvements in machines for washing dishes and other articles.

The object of the invention is to provide a machine of the character set forth involving certain features of superior construction and arrangement, and seeking to present a combination of elements which will at once make for convenience and easy operation, and attain a high degree of perfection in the cleansing of dishes and other articles.

Among the particular novel features of the device is the provision of a semi-cylindrical basket of heavy wire fabric pivoted in a container and transversely divided by wire fabric partitions, whereby the articles are supported wherever possible in an upright position, and the rocking of the basket sets up a constant agitation of the water in the container, said agitation being due to large extent to the coarseness of the wire fabric; also the provision of; special compartments in the basket for knives and forks and the like; particular handles for the basket; and means for supporting the basket in its draining position.

A further object of the invention is to provide a device of the character described that will be strong, durable, efficient, and simple and comparatively inexpensive to construct, also one in which the several parts will not be likely to get out of working order.

With the above and other objects in view the invention has relation to certain novel features of construction and operation, an example of which is described in the following specification and illustrated in the accompanying drawings, wherein:

Figure 1 is a front elevation of the machine, the basket being elevated for draining, Fig. 2 is a plan view of the same, the basket being in the washing position, Fig. 3 is a longitudinal sectional view taken on the line C—C of Fig. 2, Fig. 4 is a transverse vertical sectional view taken on the line *b*—*b* of Fig. 2, Fig. 5 is a transverse vertical sectional view of the basket taken on the line *a*—*a* of Fig. 2, and Fig. 6 is a detail of one of the trunnion brackets.

In the drawings the numeral 1 designates a metal receptacle or container which is rectangular in plan and has a semi-cylindrical bottom 2. The container is supported by legs 3 secured to vertical end walls 4, in one of which an outlet 5 is provided through which the container may be drained. Within the container a basket 6 is mounted to rock. This basket is also rectangular in plan, but exhibits a semi-cylindrical shape in cross-section. The end walls 7 of the basket are formed of flat sheets of metal, while the bottom and sides are made of heavy wire fabric, known as "hardware cloth." A trunnion 8 projects from each end wall 7 in concentric relation to the bottom of the basket. Each trunnion engages in a V-shaped seat 10 formed in a bracket 9 secured to one of the end walls 4 of the container. The brackets are disposed so that the bottom of the basket will be concentric to the bottom 2 of the container. The basket has a casing strip 11 along its upper edge at each side covering the wire fabric.

One of the particular features of the invention is a series of partitions whereby the basket is divided into a plurality of compartments, each designed for a special purpose. In carrying out this feature transverse partitions 12 are fastened in the basket as shown, each partition having a marginal casing strip 13. Compartments are formed by the partitions transversely of the basket and are of such size as to accommodate plates, saucers, platters, cups and other dishes. Owing to the curved bottom of the basket, circular flat dishes may be easily disposed uprightly in the compartments with their flat sides at right angles to the longitudinal axis of the basket; thus when the basket is rocked the narrow edges of the dishes are presented which eliminates splashing and prevents violent agitation of the water.

At one end of the basket a longitudinal upright partition 14 extends from the wall 4 to the adjacent partition 12 at the center. The partitions 12 are formed of wire fabric, but the partition 14 is made of sheet metal. Over a portion of the bottom of the basket between the wall 4 and partition 12 and under the partition 14 a false bottom 15 of sheet metal is arranged. This false bottom has a

row of perforations 16 on each side of the partition 14. The compartments formed by the partition 14 and its component parts are designed for silver ware such as knives, forks and spoons. The false bottom forms a better support and is not as likely to scratch as the wire fabric. Cross bars 17 preferably of wood are placed at the tops of the silverware compartments, parallel to the partition 14 and act as supports for the articles placed therein.

The basket has at each end fixed semicircular handles 18 which stand above the basket as shown and form not only adequate means for transporting the basket, but efficient means for rocking the said basket in washing. Here it is pointed out that the bottom of the basket being concentric to the bottom of the container and the flat dishes being presented edgewise the water in the container is not violently agitated and splashed by the rocking of the basket, which would be the case if the moving parts were eccentrically related. The agitation will be sufficient to cleanse the dishes and will be set up to some extent by the wire fabric.

In washing dishes the basket is removed from the container and being provided with legs 19 may be placed on any flat surface during the filling with dishes. Water in the container 1 having been supplied to proper depth and the necessary cleansing ingredients deposited, the basket loaded with dishes is placed in the container, the trunnions being readily seated in the brackets 9 owing to the V-shaped seats 10. The operator still retaining her hold on the handles 18 rocks the basket whereby the dishes are washed. After the washing operation and for rinsing it is necessary to raise the basket out of the water. Means for supporting the basket in the elevated position which are at once simple of operation and requiring only the use of one hand to manipulate are desirable. To effect this a pair of hooks 20 are secured to one of the end walls 7; while a pair of lugs 21 are secured to the opposite wall 7. The operator has merely to lift the basket and engage the hooks 20 over the upper edge of one of the end walls 4 of the container; then holding the opposite end of the basket with one hand, she swings a narrow leaf 22 up and over the container and rests the lugs 21 thereon. This leaf has length slightly longer than the width of the container so as to rest thereon. The basket being supported in the elevated position shown in Fig. 1 holds the dishes above the water and clean warm water poured over said dishes efficiently rinses them. The basket may now be removed. By opening the outlet 5 the dirty water may be drained off and the container may be placed in a sink under the faucet thereof, so that clean water may run into the container as the dirty water is drained off.

The invention is presented as including all such changes, modifications and alterations as properly come within the scope of the appended claim.

What I claim, is:

In a dish washing machine, the combination with a container, of a basket mounted to rock in the container and being removable therefrom, legs projecting from the ends of the basket below its bottom, but not contacting with the container, fixed hooks mounted on one end of the basket and disposed to engage over one of the edges of the container when the basket is elevated, a hinged leaf mounted on the other end of the container, lugs mounted on the outside of the end of the basket opposite that carrying the hooks and positioned to rest on the leaf when the latter is swung thereunder, and handles for rocking the basket mounted on each end thereof.

In testimony whereof I affix my signature.

HALLIE H. RANDOLPH.