

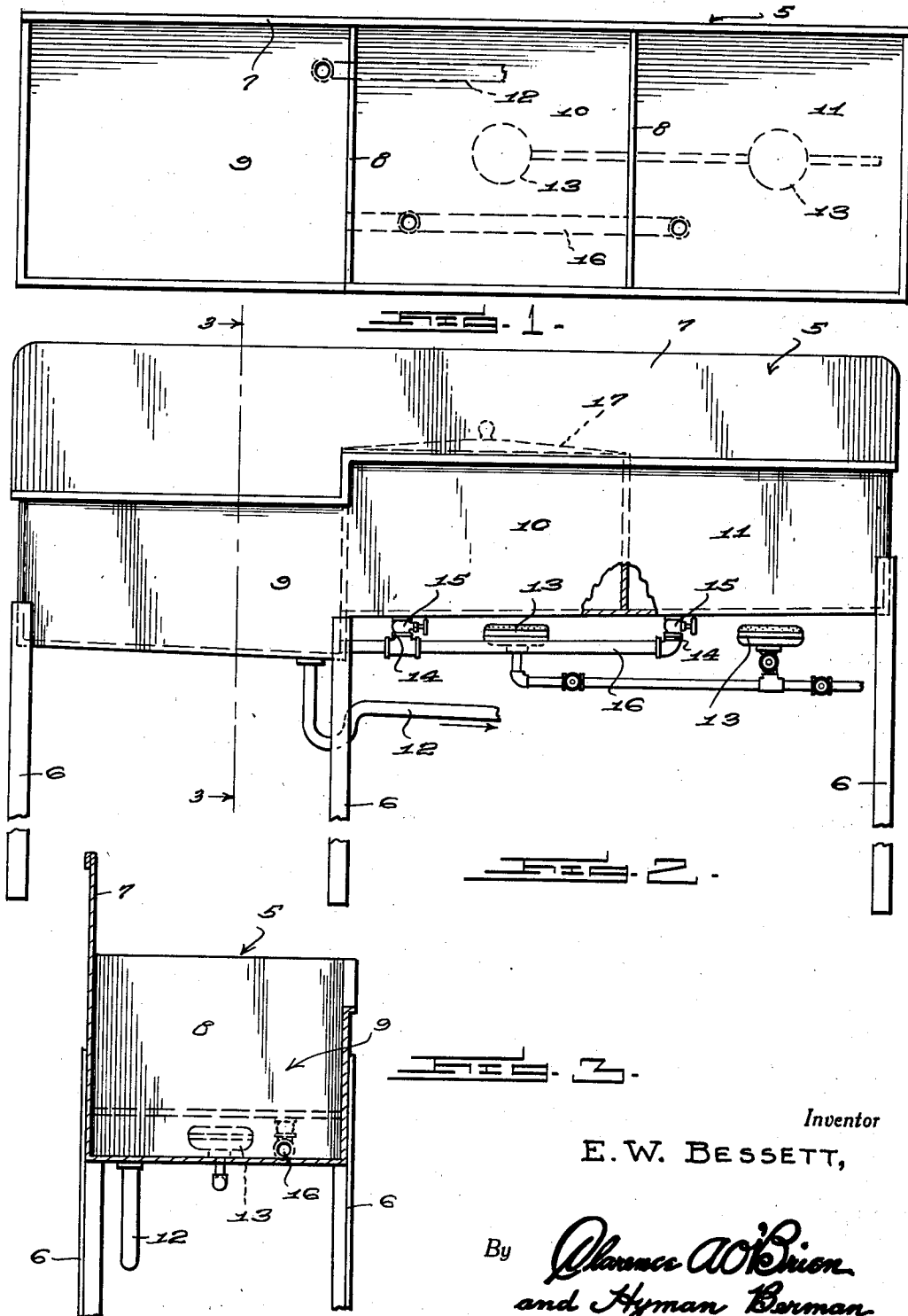
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DISHWASHING, RINSING, AND STERILIZING DEVICE

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DISHWASHING, RINSING, AND STERILIZ-
ING DEVICE

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1 Claim. (Cl. 4—187)

This invention relates to a unit for the washing, rinsing and sterilizing of dishes and the like, and has for the primary object the provision of a device of this character which will require only a minimum amount of space for its installation and use and will permit the various mentioned operations to be easily and quickly carried out in a highly sanitary manner and due to its construction will conserve water in the washing operation and the water may be heated to any desired temperature while within the device.

With these and other objects in view, the invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a top plan view illustrating a dishwashing, rinsing and sterilizing unit constructed in accordance with my invention.

Figure 2 is a front elevation, partly in section, illustrating the same.

Figure 3 is a transverse sectional view taken on the line 3—3 of Figure 2.

Referring in detail to the drawing, the numeral 5 indicates an elongated trough supported in a horizontal position through the use of legs 6. The trough has rising from its rear wall a splash board 7 extending the full length of the trough. Arranged in the trough are transversely disposed partitions 8 dividing said trough in a washing chamber 9, a rinsing chamber 10 and a sterilizing chamber 11. A portion of the bottom wall of the trough is in stepped formation so as to dispose the bottom of the chamber 9 in a plane below the bottom of the chambers 10 and 11 as clearly shown in Figure 2. The bottom of the chamber 9 has a drain pipe 12 connected thereto which may lead to a conventional sewer. Arranged under the bottom of the chambers 10 and 11 are gas burning type burners 13 for the purpose of heating the chambers and contents to a desired temperature. The bottoms of the chambers 10 and 11 have connected thereto down-pipes 14 in which are located control valves 15. The down-pipes 14 are connected to a drain pipe 16 leading to the chamber 9. Through the use of the control valves 15 the liquid contents of the chambers 10 and 11 may be directed into the chamber 9.

By reference to Figure 2 it will be seen that the upper edges of the walls of the chambers are arranged in stepped formation in accordance with the bottoms of said chambers. A removable lid 17 may be adapted to either of the chambers 10 and 11, and in the use of this device it is preferable that a basket (not shown) for containing the

dishes after being washed can be positioned in either of the chambers or compartments 10 and 11. Further it is to be understood that water may be introduced into the chambers or compartments in any well known manner and that the device or unit may be constructed of any material suitable for the purpose.

In operation, the dishes are washed within the chamber or compartment 9 and then removed therefrom and placed in the basket (not shown). The basket containing the dishes is placed in the compartment or chamber 10 and thoroughly rinsed and permitted to drain. After this operation the basket containing the dishes is then positioned in the compartment or chamber 11 with the lid 17 thereon and thoroughly sterilized therein. After the sterilizing operation the basket containing the dishes may be removed from the chamber 11 and placed on a table or like support. A device of the character described and shown in the drawing is compact permitting the various operations to be easily carried out with a minimum amount of movement on the part of the washer and further it will be seen that the unit due to its compactness may be readily installed within a comparatively small space and is especially useful where large numbers of dishes and the like have to be washed, rinsed and sterilized within a comparatively short period of time and permits these operations to be successfully carried out in a highly sanitary manner.

It is to be understood that the drain pipe 12 for the chamber or compartment 9 can be opened and closed through the use of an ordinary closure plug (not shown).

It is believed that the foregoing description, when taken in connection with the drawing will fully set forth the construction and advantages of this invention to those skilled in the art to which such a device relates, so that further detailed description will not be required.

What I claim is:

In a device of the character set forth comprising a trough, means for supporting said trough horizontally and in an elevated position, said trough including portions arranged in stepped relation, a pair of compartments formed in one of the stepped portions of the trough and the other stepped portion forming a single compartment, means for heating the pair of compartments, a sewer drain connected to the single compartment, a drain including control valves connected to the pair of compartments and to the single compartment whereby fluid content of either compartment of said pair of compartments may pass into the single compartment under manual control.

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