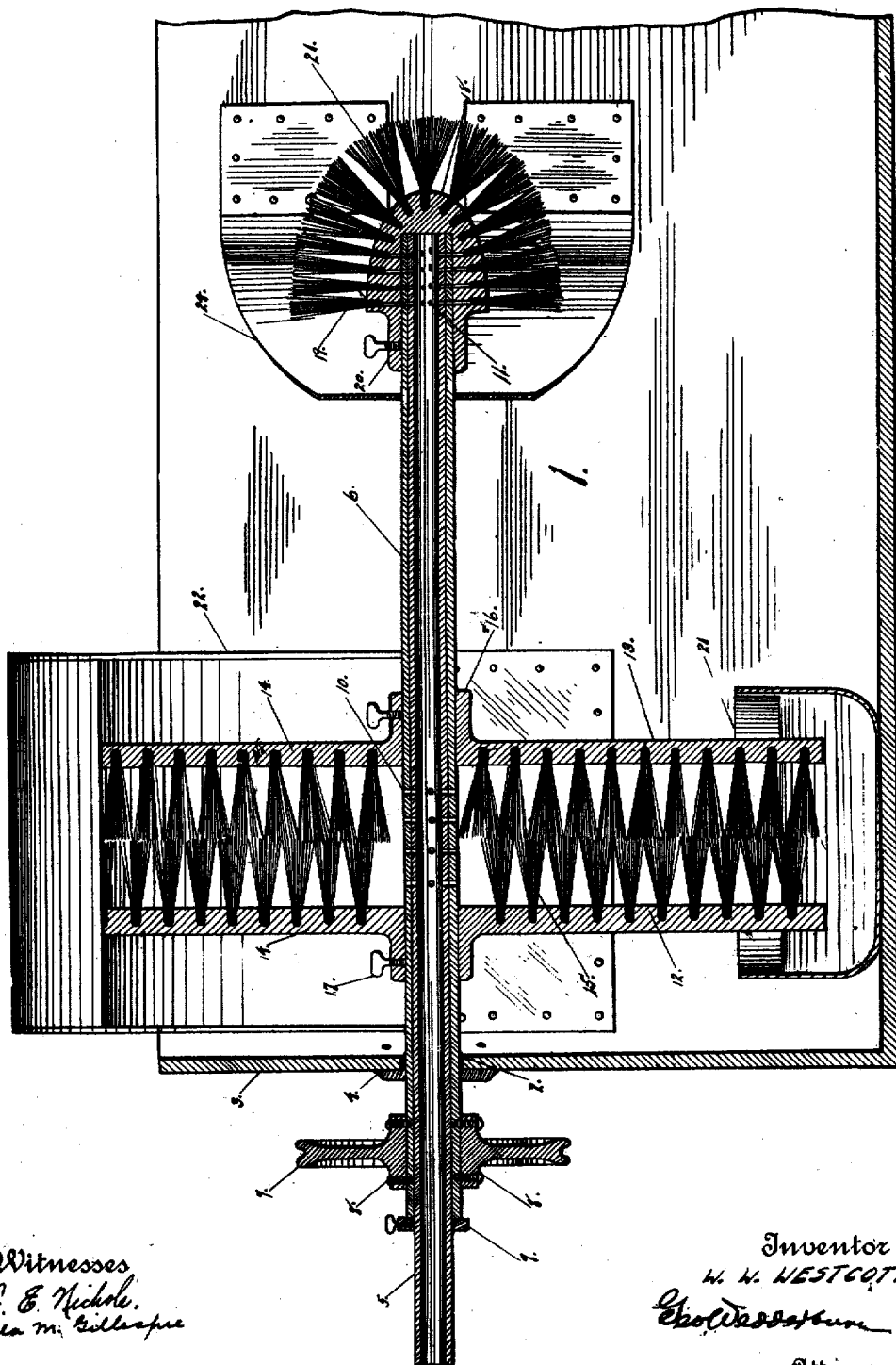


W. W. WESTCOTT.
DISH WASHING MACHINE.
APPLICATION FILED JUNE 7, 1909.

1,006,707.

Patented Oct. 24, 1911.



Witnesses
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DISH-WASHING MACHINE.

1,006,707.

Specification of Letters Patent.

Patented Oct. 24, 1911

Application filed June 7, 1909. Serial No. 500,650.

To all whom it may concern:

Be it known that I, WILLIAM W. WESTCOTT, a citizen of the United States, residing at Morris Plains, in the county of Morris and State of New Jersey, have invented certain new and useful Improvements in Dish-Washing Machines, of which the following is a specification.

This invention relates to improvements in dishwashing machines and particularly refers to machines having independent means for washing the dish articles and for washing the cup articles of a set of dishes.

One of the leading objects of the invention is the construction of a machine having parallel rotary brush heads between which a plate or dish can be placed for cleaning purposes and a rotary brush head arranged in line with the dish or plate cleaning heads whereby cups and similar articles may be cleaned.

With the above and other objects in view this invention embraces certain constructions, combinations and arrangements of parts, clearly described in the following specification and illustrated in the accompanying drawing.

The drawing is a central vertical sectional view of the dish cleaning apparatus.

Referring to the accompanying drawing, which is merely illustrative of the invention, 1 denotes the main cleaning tank or vat, which may be suitably supported. The tank or vat 1 is provided with an opening 2 in its end wall 3, and a shaft bearing 4 is located around said opening. A shaft 5 extends through the bearing 4 and carries a sleeve 6. The shaft 5 is preferably formed tubular so that the same may be used as a conduit for the cleaning fluid.

On the outer end of the sleeve 6 a drive wheel or pulley 7 is fixed by screws 8, and on the shaft 5 a stop 9 is fixed for holding the sleeve in a fixed position. The shaft and sleeve are formed with perforations 10, located therein near the end wall 3 and with perforations 14 located in the inner end thereof. On the sleeve 6 adjacent the perforations 10 two brush heads 12 and 13 are secured. One brush head is made the same as the other, each being formed with a disk portion 14, which carries brush tufts 15,

and is secured by means of a collar 16, having a set screw 17, to the sleeve 6. When secured in place on the sleeve 6 the perforations 10 are adapted to lie opposite the shanks of the brush tufts 15. Normally the brush tufts 15 engage each other so that when a dish or plate is placed between the tufts both sides of the dish will be effectively cleaned, when the brushes are rotated. As the brush tufts wear the brushes may be adjusted by the set screws 17.

On the inner end of the sleeve 6, a brush head 18, which is provided with brush tufts 19 and a sleeve engaging collar 20, is secured in place over the perforations 11. The brush head is formed with perforations registering with the perforations 11, whereby the cleaning fluid may flow from the bore of the shaft 5 through the tufts 19 of the brush head 18.

On the bottom of the tank or vat 1 a receptacle 21 is located beneath the brush heads 12 and 13, being provided with a quantity of lye or other cleaning water, whereby the brush tufts 15 may be charged with cleaning fluid independently of the fluid that may be supplied through the tubular shaft 5.

In the end of the tank or vat adapted to receive the spray of the rotating brush heads 12 and 13 a shield 22 is located.

In the portion of the tank adapted to receive the spray of the rotary brush 18 a shield 24 is located, being suitably secured to the tank 1.

The brush 18 is intended to cleanse cups, bowls and other dishes having a deep interior surface.

Having described my invention I claim:

In a washing machine, a tank, a hollow shaft projecting into the tank, said shaft having lateral openings, a pair of brush heads mounted on the shaft on opposite sides of the openings therein, and a shield secured to the tank and held over the brush heads.

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

WILLIAM W. WESTCOTT.

Witnesses:

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