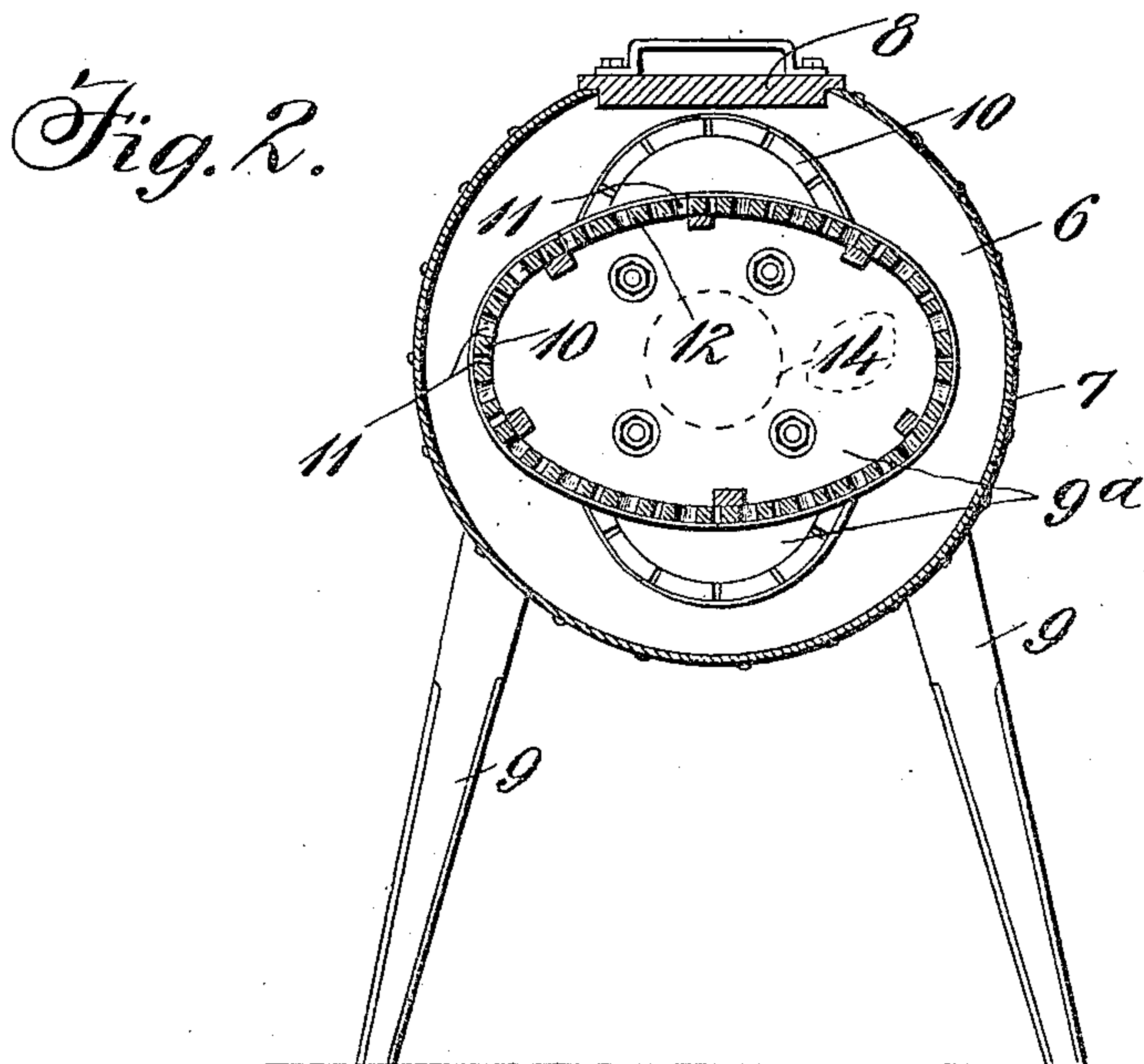
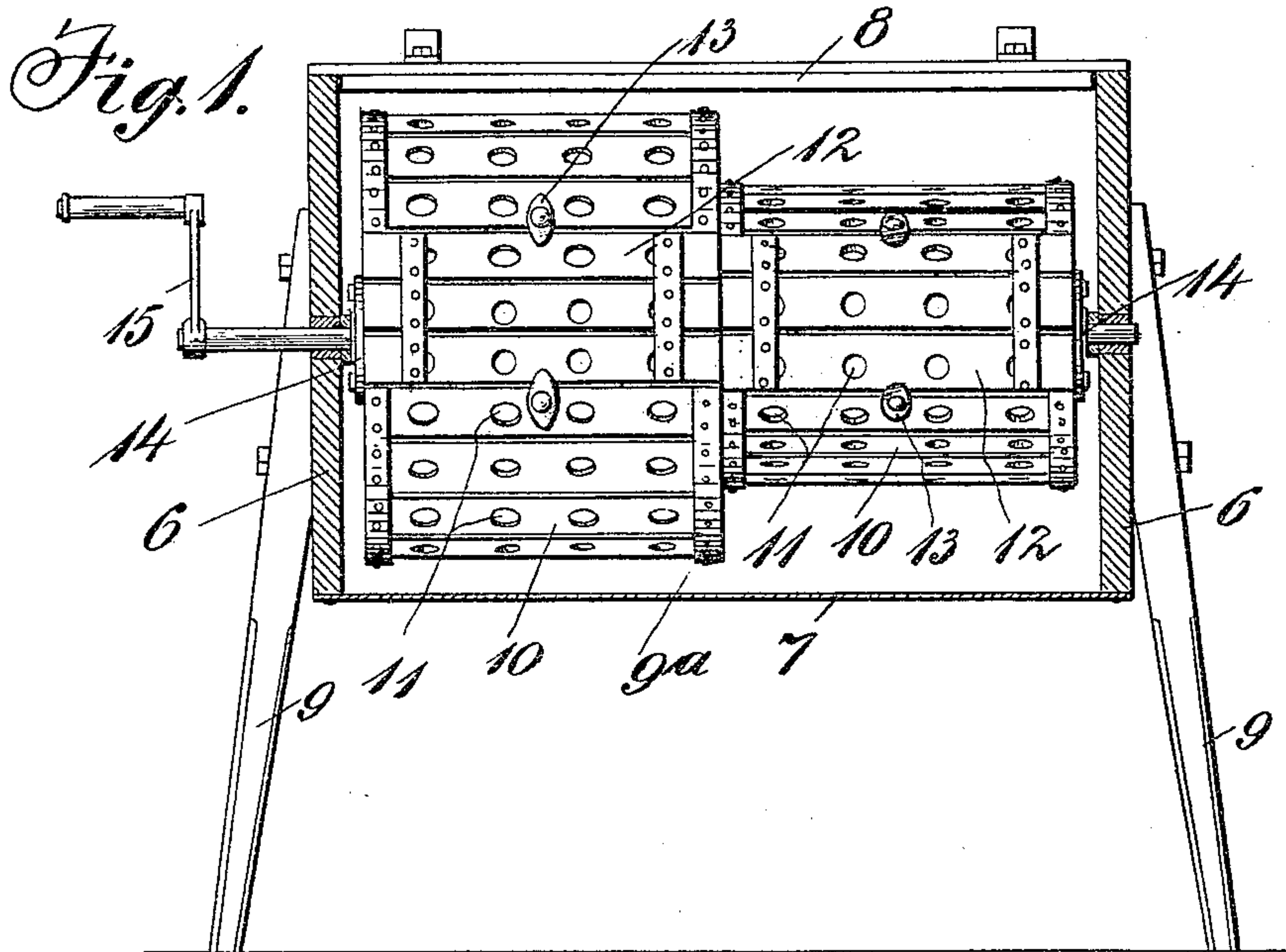


No. 886,745.

PATENTED MAY 5, 1908.

C. VIEMAN.
WASHING MACHINE.
APPLICATION FILED JAN. 25, 1908.



Inventor

Witnesses

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UNITED STATES PATENT OFFICE.

CHRISTIAN VIEMAN, OF CHICAGO, ILLINOIS.

WASHING-MACHINE.

No. 886,745.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed January 25, 1908. Serial No. 412,620.

To all whom it may concern:

Be it known that I, CHRISTIAN VIEMAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

This invention is a washing machine of the cylinder type, and it is characterized by an improved construction of cylinder for containing the clothes, within the outer casing, whereby when the cylinder is rotated the water will be forced and drawn through the clothes, to very effectively perform the intended purpose.

The invention is illustrated in the accompanying drawings, in which

Figure 1 is a side elevation with the outer casing in section. Fig. 2 is a cross section.

The outer casing of the machine consists of two substantially circular heads 6, preferably made of wood, and a drum or shell 7, which may be conveniently made of metal. A removable cover 8 is provided at the top, and the casing so formed is supported upon legs 9 fastened to the ends of the drum.

Within the casing is a double chamber or holder for the clothes, each part or section of which consists of two heads 9^a which are elliptical in shape, and slats 10 extending between the heads. These slats are spaced apart, and are also perforated, as indicated at 11, to permit the flow or passage of the water through the holder. Several of the slats are connected together to form a removable door, indicated at 12, to permit the clothes to be inserted and removed, the door being held closed by turn-buttons 13. These parts or sections are mounted upon gudgeons 14 extending through the heads of the outer casing at the center thereof, and one of these gudgeons has a crank 15 or other means for turning the same.

The two parts or sections of the holder are set with their longer axes at a right angle to each other, the two adjacent heads being fastened together by bolts or the like to preserve

the relative position of the parts. The long axis of one of the elliptical holders crosses the short axis of its fellow, and consequently the ends of one holder project beyond the sides of the other, in closer proximity to the wall of the casing. In consequence of this construction, the ends of the elliptical holders will act to strike or beat the water in the tub as the holders are rotated, thereby causing the water to be forced through the spaces between the slats and through holes in the slats, and consequently through the clothes within the holders; and accordingly the water will, when the ends of the holders are lifted, flow out between the slats and through the perforations, carrying with it such dirt as may be dislodged from the clothes by the action. The arrangement of the sections at right angles to each other causes a circulation or agitation of the water from one side to the other, thus producing a continuous flow of the water through the clothes, in one way or another. The beating action resulting from the elliptical shape of the holders is much superior to the action which would result from the mere rotation of a circular holder within the water.

I claim:

1. A washing machine comprising an outer casing and a pair of elliptical holders therein having sides formed of spaced slats, these holders being fastened together with their longer axes at an angle to each other, and mounted to rotate within the casing.

2. A washing machine comprising an outer casing, and a plurality of holders therein elliptical in cross section, the holders being mounted to rotate in the casing and fastened together with their longer axes at a right angle to each other and each projecting at its ends beyond the sides of the adjacent holder.

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

CHRISTIAN VIEMAN.

Witnesses:

FLORENCE HENDERSON,
H. G. BATCHELOR.