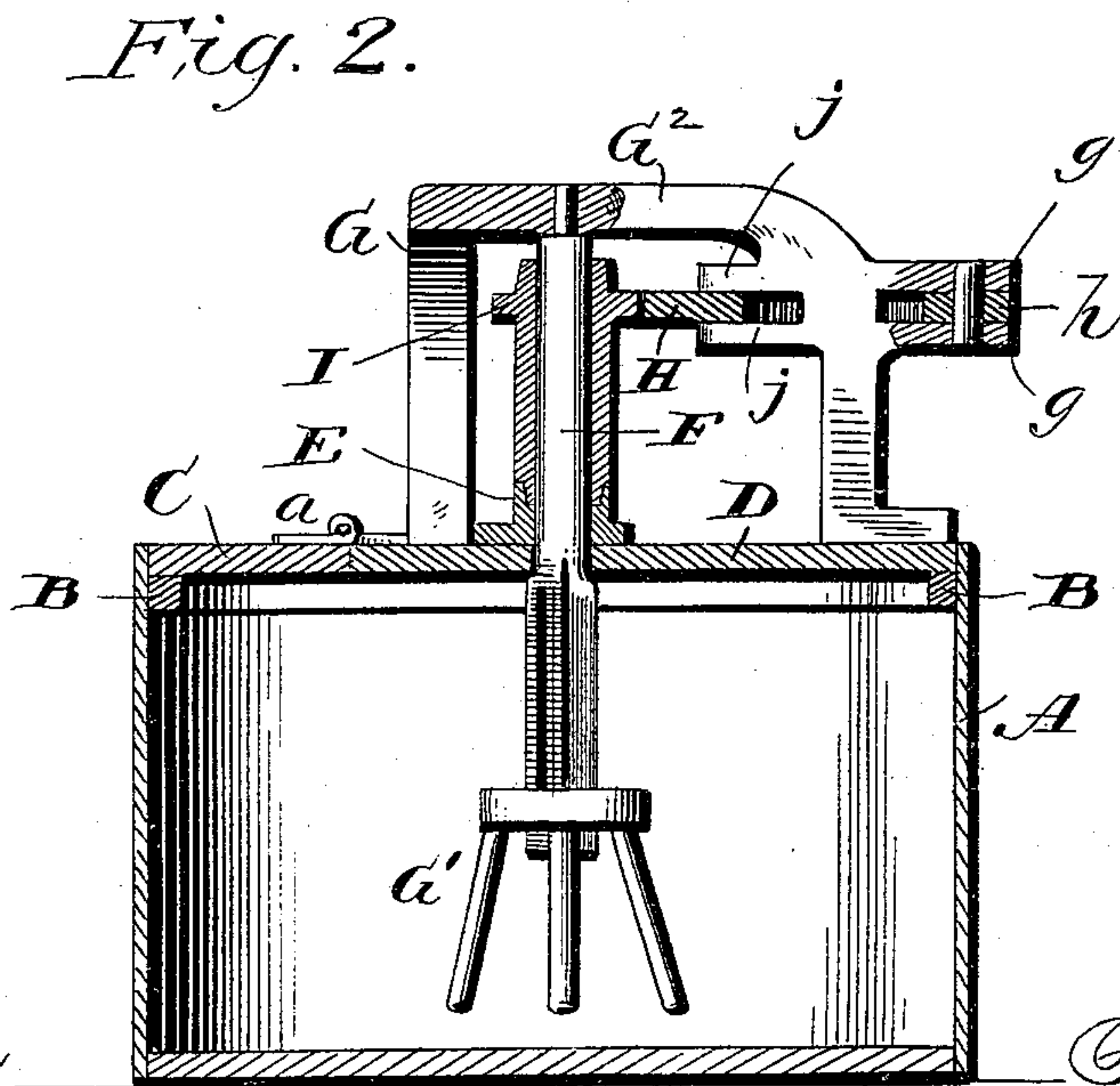
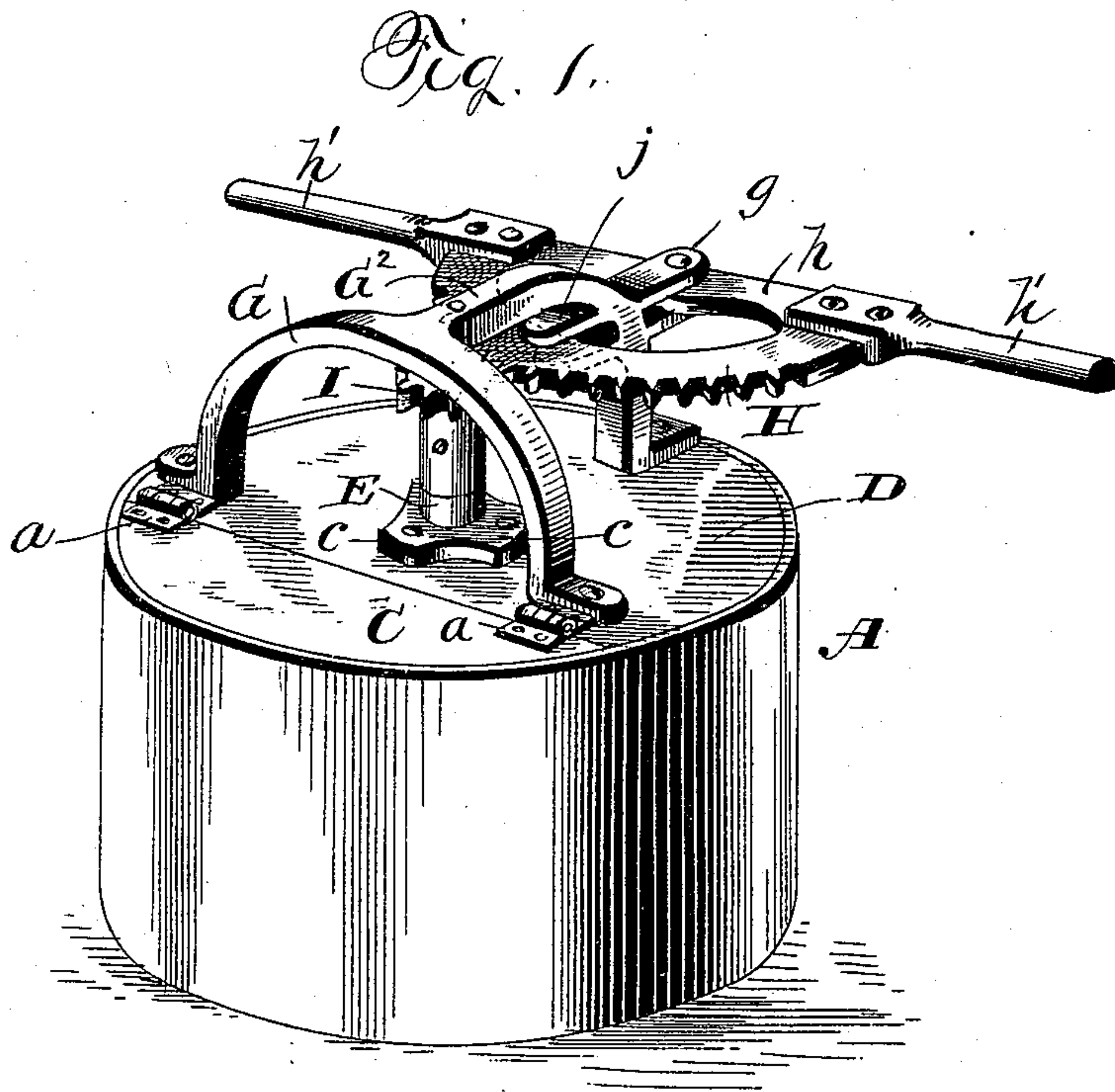


(No Model.)

A. G. ANDERSON.
WASHING MACHINE.

No. 494,665.

Patented Apr. 4, 1893.



Witnesses
W. J. Williamson
A. L. Hough

Inventor
Albert G. Anderson,
by Franklin H. Hough,
his Attorney

UNITED STATES PATENT OFFICE.

ALBERT GRANT ANDERSON, OF KERRVILLE, TEXAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 494,665, dated April 4, 1893.

Application filed January 11, 1893. Serial No. 458,073. (No model.)

To all whom it may concern:

Be it known that I, ALBERT GRANT ANDERSON, a citizen of the United States, residing at Kerrville, in the county of Kerr and State of Texas, have invented certain new and useful Improvements in Washing-Machines; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in washing machines of that class in which is employed a rotary agitator or dasher with blades, and it has for its objects among others to provide an improved construction whereby better results are attained, the construction simplified and made cheaper, less liable to become inoperative or injured and easier to operate. I provide a cover a portion of which is hinged and carries the operating parts so that the whole may be thrown up when desired to gain access to the tub. The supporting standard is of novel construction, having a guide for the toothed segment and a pair of lugs in which is pivoted the connecting portion of the segment. The operating segment is arranged horizontally whereby it is more easily operated and greater power obtained.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by the appended claim.

The invention in the present instance resides in the peculiar combinations, and the construction, arrangement and adaptation of parts all as more fully hereinafter described, shown in the drawings and then particularly pointed out in the claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification and in which

Figure 1 is a perspective view of my improved washing machine with the cover down. Fig. 2 is a longitudinal section of the same.

Like letters of reference indicate like parts in both of the views.

Referring now to the details of the draw-

ings by letter, A designates a tub or receptacle of known construction within which at a suitable distance from the top is secured the annular flange or ring B.

C is a portion designed to be secured within the upper end of the tub in any suitable manner and resting upon the said flange or ring. To this portion is hinged as by the hinges *a* the remaining portion D of the top or cover or support as shown and upon this latter portion are supported the operating parts of the machine. These consist of the centrally located socket or casting E which has a lug or lugs *c* through which pass the securing means to affix it to the portion D and through this socket or casting passes the shaft F the upper end of which is journaled in the arm G and the lower end of which carries the agitator or beater G' which may be of any suitable or well known construction, being preferably adjustably mounted upon the shaft as seen. The arm G is arched as shown and the lower ends of the arch secured to the portion D, the said arm being provided with a third member G² which is arched and arranged at right angles to and connecting with the main portion of the arm, its lower end being secured to the portion D as shown. This third member is formed upon one side with the lugs or ears or horizontal portions *g* between which is pivoted the portion *h* of the segment H which segment is toothed upon its outer face as shown and is designed to mesh with a gear wheel I on the shaft F. The connecting portion *h* of this segment is extended at both ends or one end to form handles or a handle *h'* by which it is moved upon its pivot. Upon the side of the third member of the arm G opposite the portions *g* are the like ears or lugs *j* between which the segmental portion of the segment H works and by which the said segment is guided.

The operation will be readily understood from the foregoing description when taken in connection with the annexed drawings and a further detailed description thereof is not deemed necessary.

It is deemed important that the operating segment be arranged horizontally whereby space is economized and greater power is obtained and at the same time rendering the machine more easily operated. The guiding

lugs of the support serve to keep the segment in a true plane and to its work.

What I claim as new is—

5 The herein described washing machine consisting of the support, the socket, the shaft, the gear wheel on the shaft, the arched arm with its third member provided with lugs upon opposite sides and the segment pivoted in one set of lugs and guided by the other and

meshing with the gear wheel, substantially as shown and described.

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

ALBERT GRANT ANDERSON.

Witnesses:

A. H. MCHARG,

CHAS. J. GILLESPIE.