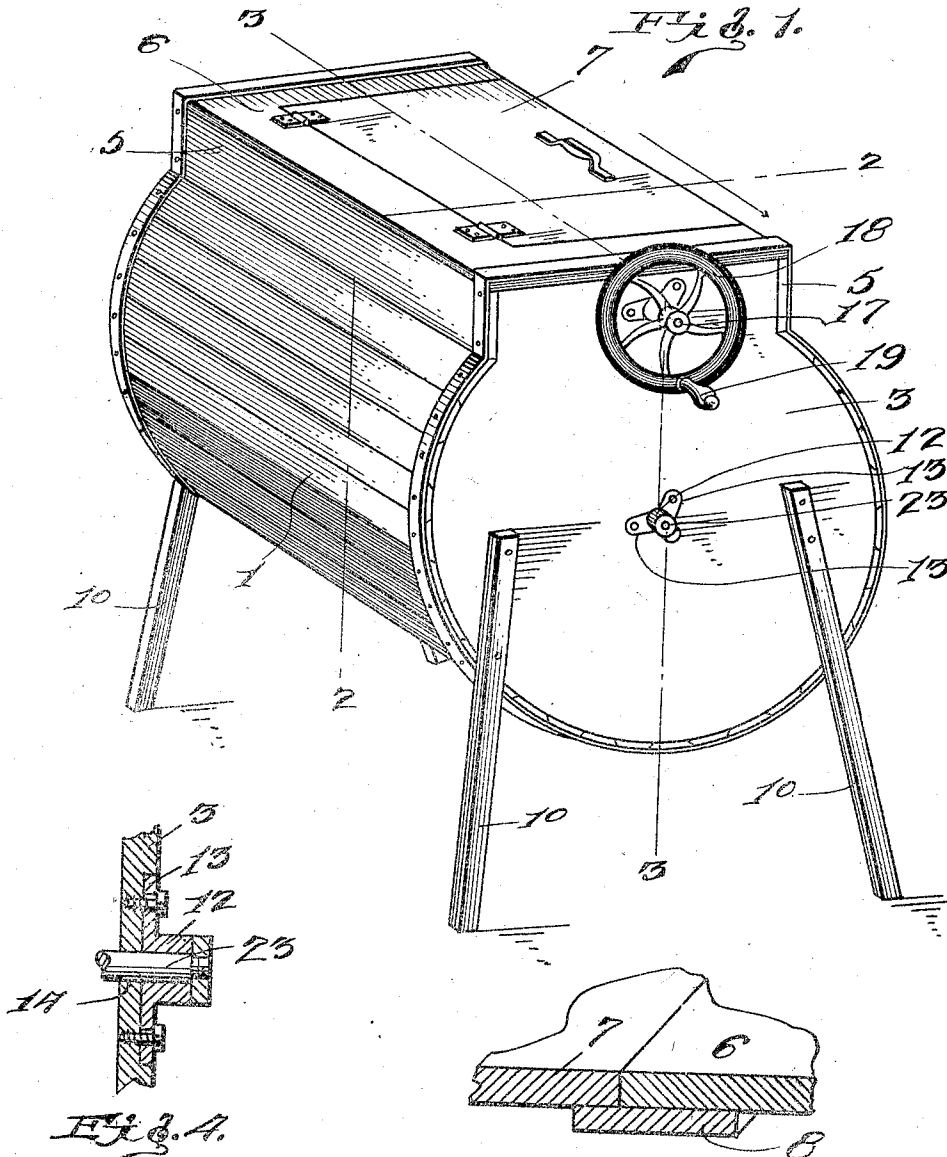


L. WAGONER.
WASHING MACHINE.
APPLICATION FILED FEB. 15, 1910.

967,864.

Patented Aug. 16, 1910
2 SHEETS—SHEET 1.



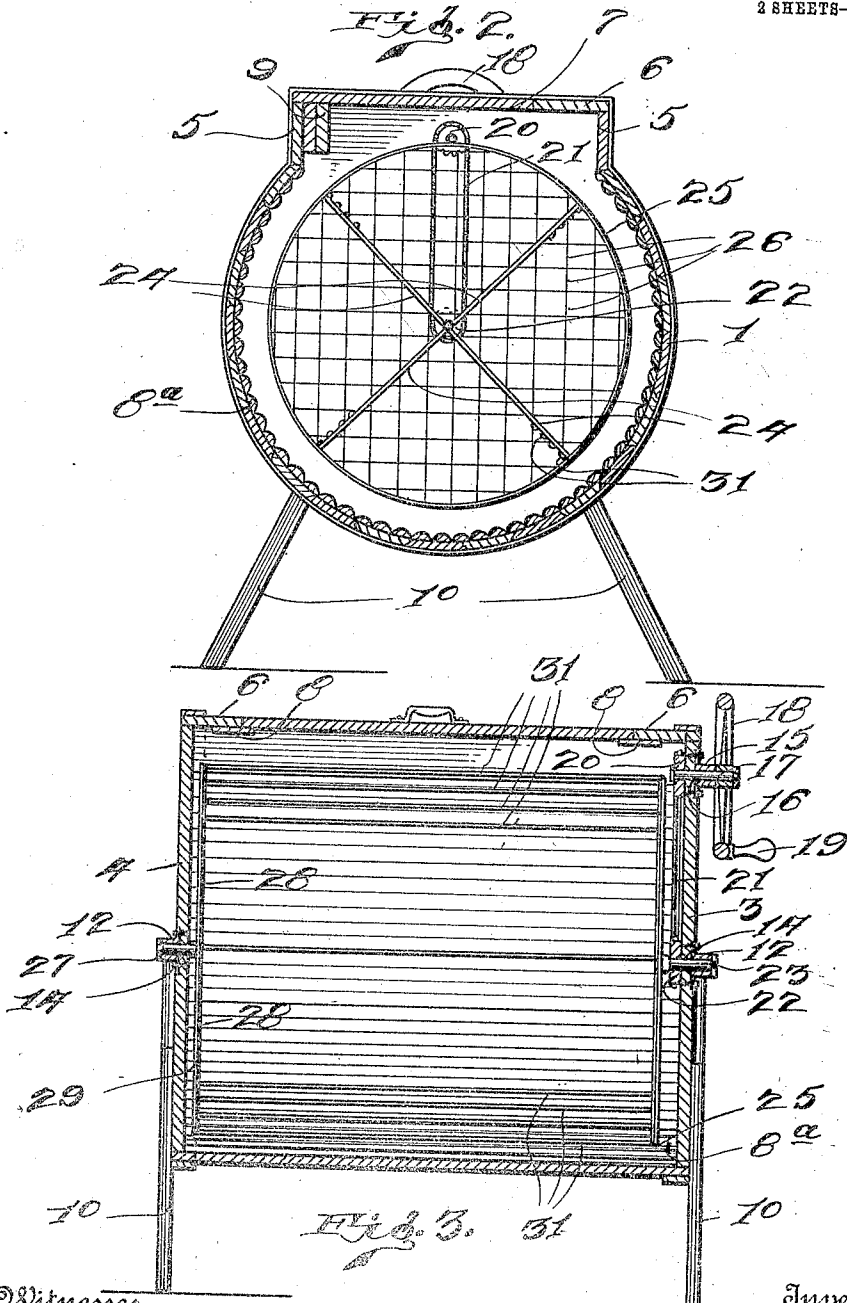
Witnesses
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Fig. 5.
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

LOUESA WAGONER, OF MATFIELD GREEN, KANSAS.

WASHING-MACHINE.

967,864.

Specification of Letters Patent.

Patented Aug. 16, 1910.

Application filed February 15, 1910. Serial No. 543,943.

To all whom it may concern:

Be it known that I, LOUESA WAGONER, a citizen of the United States of America, residing at Matfield Green, in the county of Chase and State of Kansas, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to washing machines and the principal object of the same is to provide novel means whereby the articles will be thoroughly agitated and rubbed during the washing operation.

Other objects of the invention will be apparent from the following detailed description.

In carrying out the objects of the invention generally stated above it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein:—

Figure 1 is a perspective view of the improved washing machine. Fig. 2 is a transverse vertical sectional view taken on the line 2—2, Fig. 1. Fig. 3 is a longitudinal vertical sectional view taken on the line 3—3, Fig. 1. Fig. 4 is a detail fragmentary sectional view showing one of the end bearings of the washing machine. Fig. 5 is a detail fragmentary sectional view of a part of the top of the washing machine and the lid or cover therefor.

Referring to the accompanying drawings by numerals, 1 designates the body of the improved washing machine, said body being substantially cylindrical and having closed flat ends 3—4. The upper portion of the body is straight, as indicated at 5 and the top 6 thereof is flat and provided with a cut-away portion in which the lid or cover 7 is hinged. Cleats 8 are carried by the under-surface of the end edges of said cut-away portion of the top 6 and serve as end rests for the lid or cover 7 and also seal the openings between the end edges of the lid or cover and the similar edges of the cut-away portion of the top.

Interiorly, the cylindrical body is provided with a corrugated lining 8^a, said lining extending up to the lower portion of the straight upper sides 5. One of said upper sides 5 is provided with longitudinal

strips 9 to which a wringer may be attached.

Supporting legs 10 are provided for the machine; said legs being arranged in pairs 60 at each end of the machines.

A bearing 12 provided with radiating attaching arms 13 is centrally located on the outer surface of each end of the body 1, said bearings alining with an opening 14 65 formed through said ends. End 3 carries an upper bearing 15 that is similar to bearings 12, said bearing 15 alining with an opening 16 of said end. A shaft 17 extends through opening 16 and bearing 15, its 70 outer end being equipped with a balance wheel 18 from which projects a hand-grip 19. The inner end of said shaft has a sprocket 20 fast thereon, said sprocket being in close proximity to the inner surface of 75 end 3 and having a chain connection 21 with a sprocket 22 fast on a shaft 23 that extends through opening 14 and bearing 12. The inner end of shaft 23 is provided with radiating arms 24, the outer ends of said arms 80 being connected by a ring 25. Said ring incloses a plurality of guard wires 26 arranged in crossing relation so that articles are prevented from passing through said ring.

The bearing 12 of end 4 is equipped with 85 a shaft 27 that extends into the body 1, its inner end being equipped with radiating arms 28 similar to the arms 24, said arms being equipped with a ring 29, and the ring carrying the crossed guard wires as described in connection with shaft 23 at the 90 other end of the body.

The outer ends of the arms 24 and 28 are connected by the regularly spaced apart parallel bars 31, which act as paddles to 95 agitate and elevate articles being washed.

In use, the body 1 is partly filled with water and the articles to be washed are placed therein, and by turning the handle of balance wheel 18 the agitator will be re- 100 volved so that its spaced apart bars 31 will throw the articles about the body and also rub the same against the corrugated lining 8 as will be readily understood.

It will be seen from the foregoing that 105 the guard wires of the end rings prevent articles coming in contact with the gearing or the shafts at the ends of the body, and also that the use of the parallel spaced apart bars at the outer end of the arms, provides 110 means whereby one set of arms will engage with and elevate the articles and also will

readily permit the articles to drop therefrom so that the next set of arms may similarly act upon the articles.

What I claim as my invention is:—

- 5 In a washing machine, a casing, stub shafts journaled in said casing, arms radiating from said shafts, rings each connecting the outer ends of the arms radiating from one of said shafts, agitator bars connecting
10 the respective arms on one of the shafts to

the arms on the other shaft, wire netting attached to the rings and covering the space within the respective rings, and means to rotate the shafts.

In testimony whereof I hereunto affix my 15 signature in presence of two witnesses.

LOUESA WAGONER.

Witnesses:

WILLIAM H. WAGONER,
FRED WAGONER.