

No. 760,067.

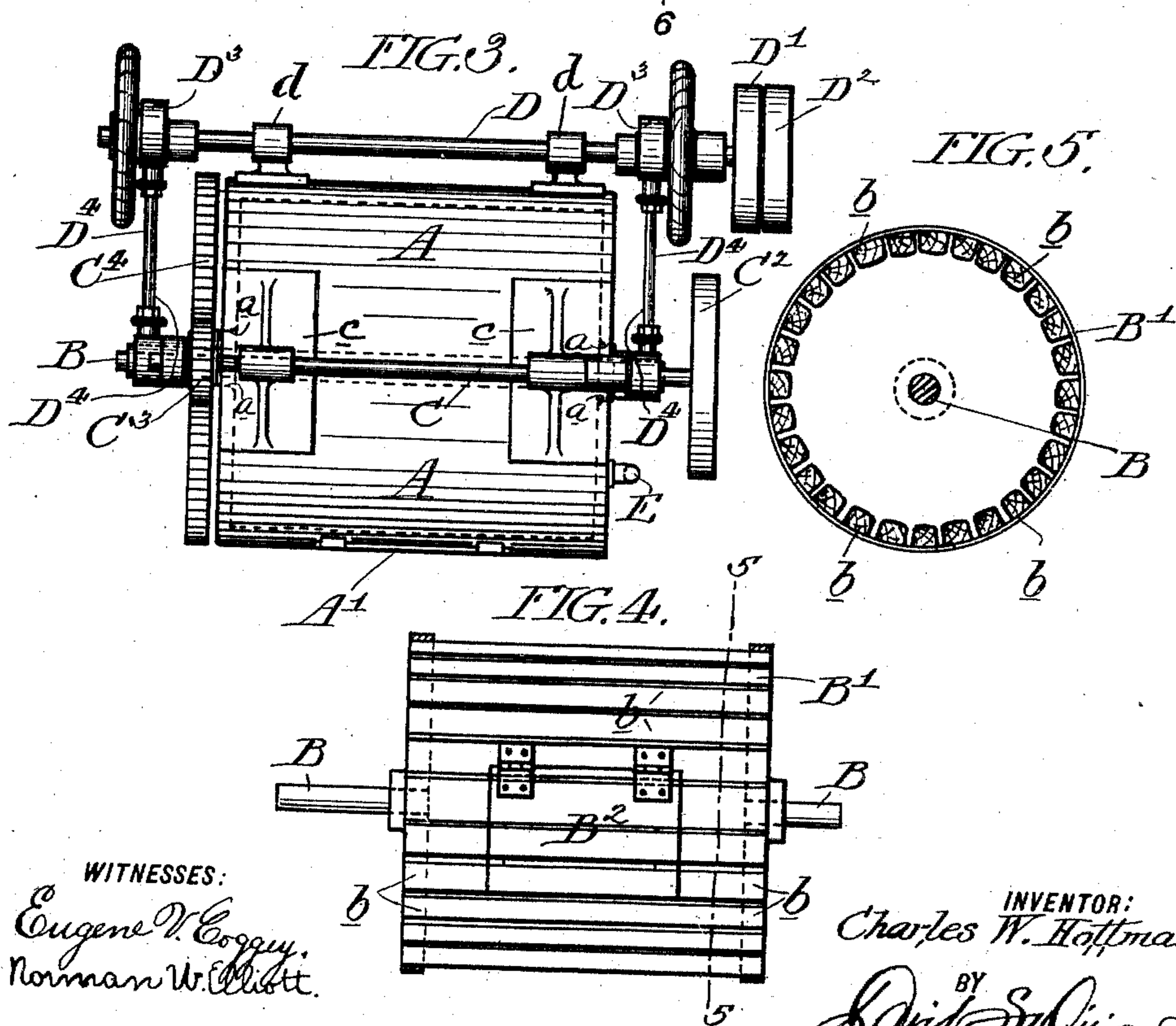
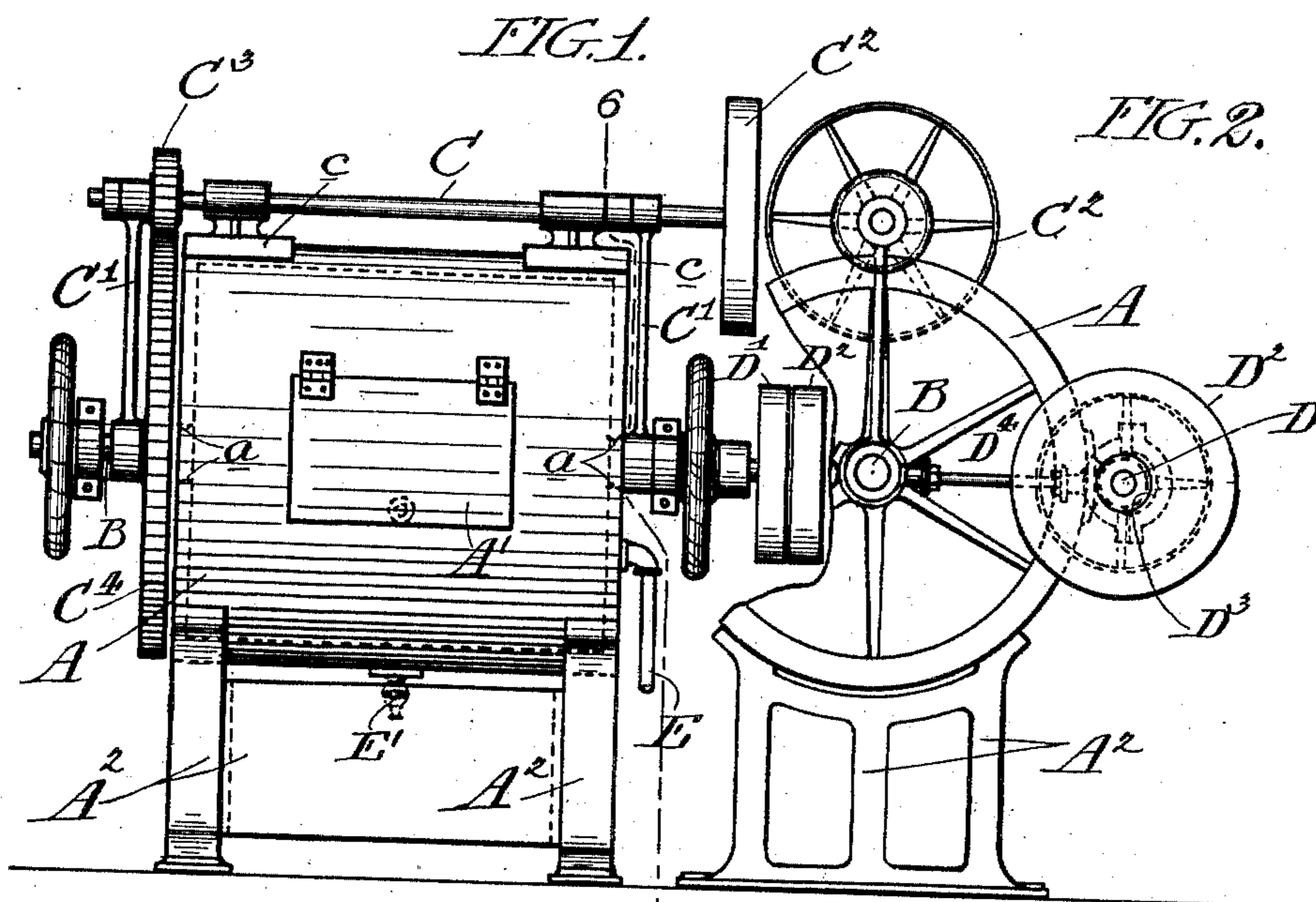
PATENTED MAY 17, 1904.

C. W. HOTTMAN.
WASHING MACHINE.

APPLICATION FILED SEPT. 11, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES:

Eugene V. Coggy,
Norman W. Abbott.

INVENTOR:

Charles W. Hoffman

BY
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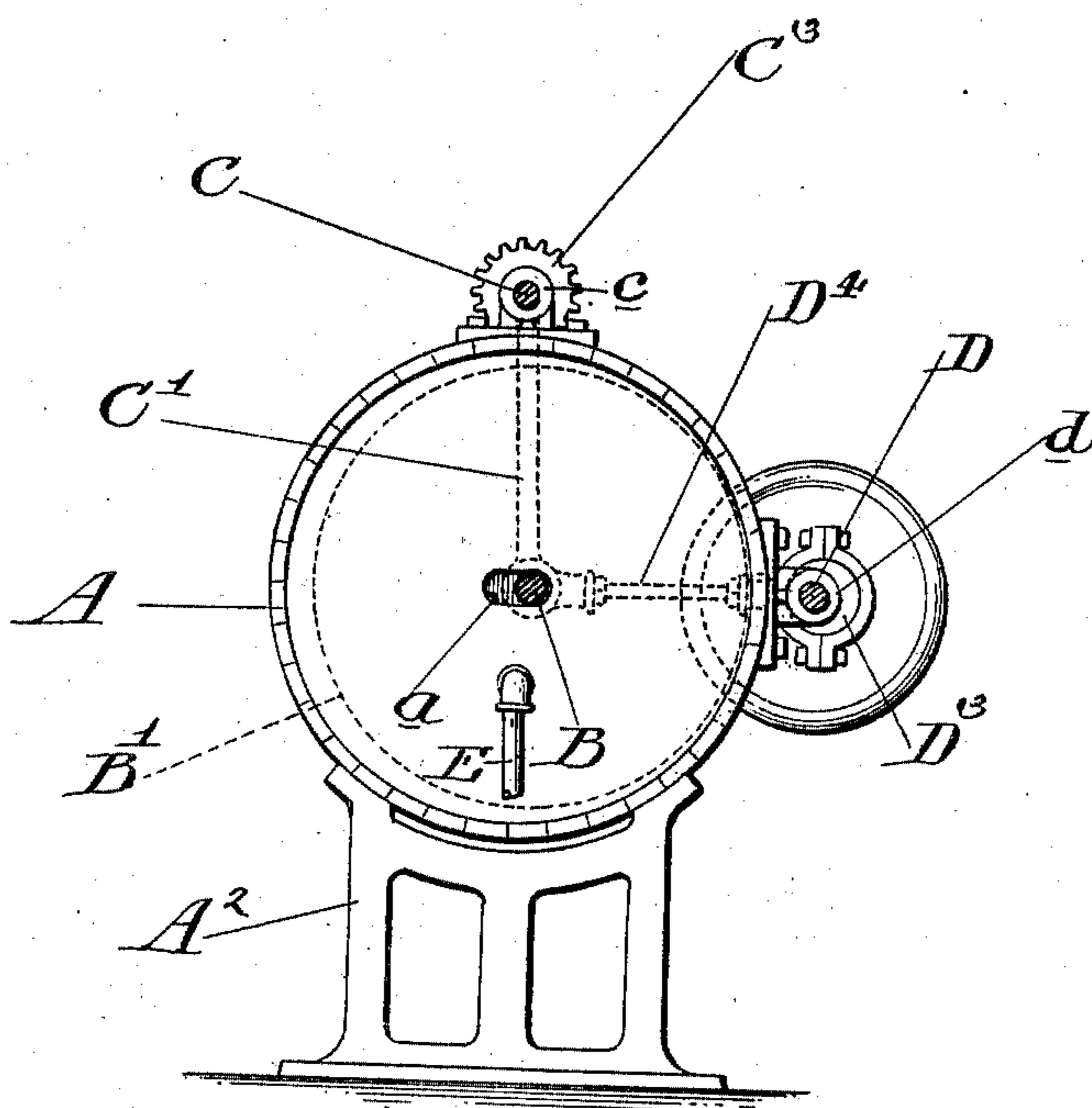
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WASHING MACHINE.

APPLICATION FILED SEPT. 11, 1903.

NO MODEL.

2 SHEETS—SHEET 2.

FIG. 6.



WITNESSES:

Eugene V. Coggeshall
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UNITED STATES PATENT OFFICE.

CHARLES W. HOTTMAN, OF PHILADELPHIA, PENNSYLVANIA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 760,067, dated May 17, 1904.

Application filed September 11, 1903. Serial No. 172,730. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. HOTTMAN, a subject of the Emperor of Germany, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

My invention relates to a machine for washing clothes; and it consists, briefly, of a closed cylinder in which is mounted a circular frame to receive the clothes, in a mechanism for slowly revolving the frame and simultaneously imparting to it a reciprocating or shaking motion.

My invention will be more fully understood by reference to the accompanying drawings, in which—

Figure 1 illustrates a side elevation of the machine; Fig. 2, an end view partially broken away; Fig. 3, a plan view; Fig. 4, a plan view of a circular frame which is inclosed within the casing of the machine; Fig. 5, a vertical section taken on the line 5 5 of Fig. 4, and Fig. 6 is a vertical section on the line 6 6 of Fig. 1.

Referring to the reference-letters of the drawings, A represents the cylindrical casing of the machine, which is provided with a door A' and which is supported upon a suitable base A². The casing A is provided with elongated side opening *a* to receive a shaft B, upon which is mounted a cylindrical frame B', the periphery of which is formed of a number of parallel slats *b*, between which are openings and upon which is placed a door B² for the insertion and removal of the clothes. The shaft B is suspended by arms C' C', which embrace and are supported by a shaft C mounted in bearings *c c*, secured to the top of the casing A. The shaft C is provided at one end with a driving-pulley C² and at the opposite end with a pinion C³, which meshes with

a gear-wheel C⁴, mounted upon and adapted to rotate the shaft B. A reciprocating motion is imparted to the shaft B and to the cylindrical frame B', which is carried by means of a shaft D. This shaft is guided in bearings *d d* and is provided, respectively, with fast and loose pulleys D' and D². It is also provided with eccentrics D³ D³, which turn in arms D⁴ D⁴, and these being connected to the shaft B impart to it and to the cylindrical frame B' a reciprocating or swinging motion.

The casing A is supplied with water by means of a pipe E, and when desired the water contained in the casing may be withdrawn through a cock E'.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A washing-machine, comprising a cylindrical casing, a cylindrical frame mounted within the casing, means for turning said frame, and means to cause the frame to reciprocate as it is being turned, substantially as specified.

2. A washing-machine, comprising a cylindrical casing, a cylindrical frame mounted therein having its periphery formed of a circular series of slats, means to impart a rotary motion to said frame and means to impart a swinging motion to the frame, substantially as specified.

3. A washing-machine, comprising a cylindrical casing, a cylindrical frame mounted therein and having a slotted wall, a mechanism adapted to impart a swinging motion to said frame, and a mechanism for revolving the frame, substantially as specified.

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

CHARLES W. HOTTMAN.

Witnesses:

DAVID S. WILLIAMS,
ARNOLD KATZ.