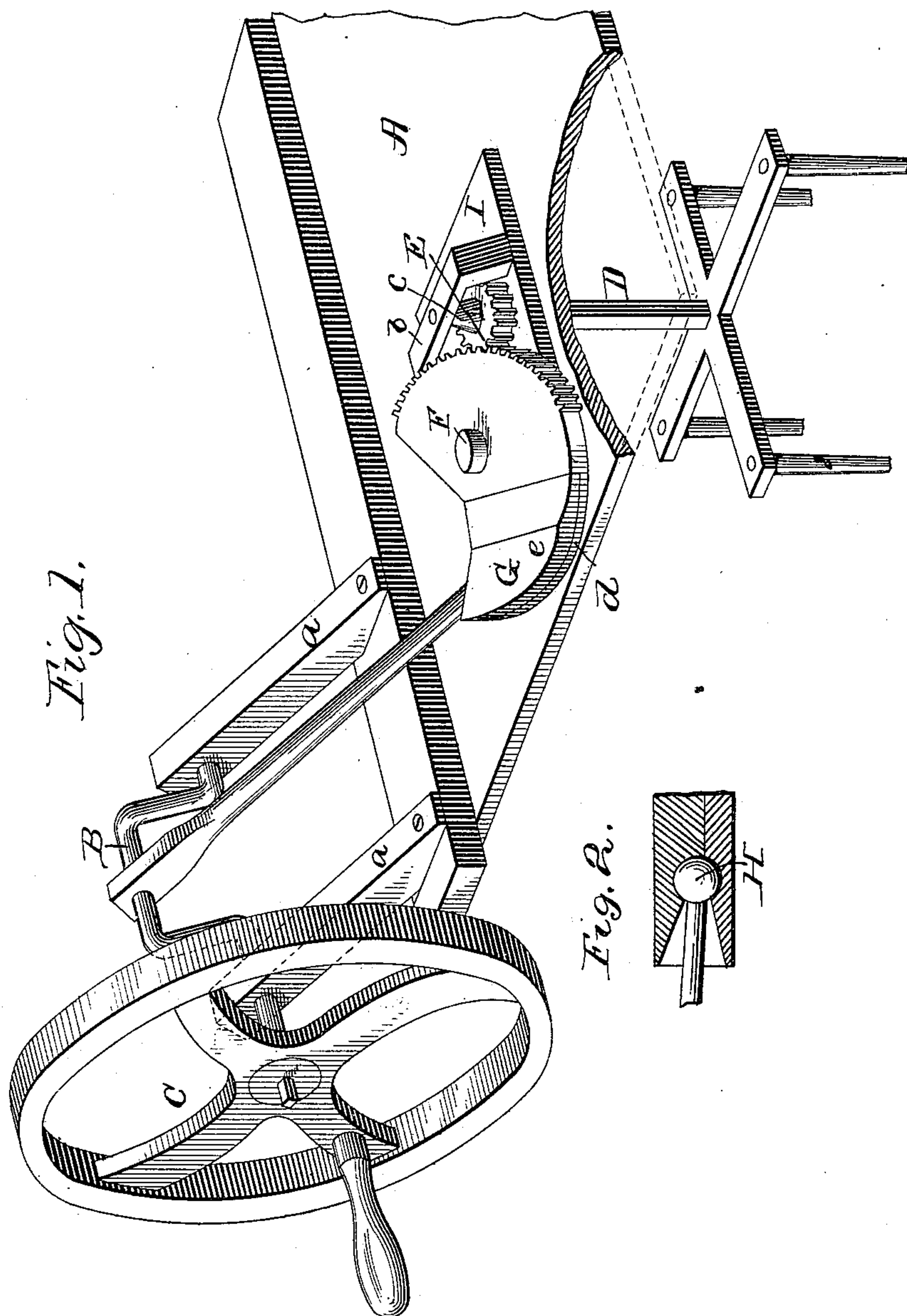


(No Model.)

L. P. JORDAN & C. B. STOUGH.
MECHANICAL MOTOR.

No. 335,396.

Patented Feb. 2, 1886.



Witnesses:

O. H. Jordan
J. W. Gray

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UNITED STATES PATENT OFFICE.

LOUIS P. JORDAN, OF STANBERRY, AND CHARLIE B. STOUGH, OF KING CITY, MISSOURI.

MECHANICAL MOTOR.

SPECIFICATION forming part of Letters Patent No. 335,396, dated February 2, 1886.

Application filed November 27, 1885. Serial No. 184,327. (No model.)

To all whom it may concern:

Be it known that we, LOUIS P. JORDAN and CHARLIE B. STOUGH, residing, respectively, at Stanberry and King City, Gentry county, Missouri, have invented an Improvement in Washing-Machines, of which the following is a specification.

This invention has relation to improvements in mechanical motors, and is designed to be used for operating washing machines.

The novelty consists in the construction, combination, and adaptation of devices, as will be hereinafter more fully set forth and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my invention, showing the same applied to a part of a washing machine, and Fig. 2 is a sectional detail view of the ball-and-socket joint.

Referring to said drawings by letter, A indicates a cover, which in the present instance is shown as a cover for an ordinary agitator washing-machine. This cover is provided with two obliquely-arranged bracket-arms, *a*, which are perforated at their outer ends and are designed to furnish journal-bearings for the crank-shaft B, the cranked portion of which lies between the said supporting-arms. One end of this shaft is extended beyond its bearing and has a drive-wheel, C, secured thereto. In the center of the cover or other suitable point therein is a vertical perforation for the passage of the agitator-shaft D, which may be provided at its lower end with any suitable number of agitator branches, as shown. This shaft has fixed to its upper end a horizontal pinion, E, and has a bearing in an arched frame, *b*, with an interposed washer, *c*.

F indicates a vertical spindle, which is arranged in the upper side of the cover A, and at a suitable distance from the pinion-shaft. On this spindle is arranged horizontally an

oscillating toothed segment, G, the teeth of which are designed to engage the pinion and impart a similar movement thereto. The oscillating segment is provided with a horizontal extension, *d*, which, with a top plate, *e*, is designed to furnish a socket-bearing for the pitman. The pitman is connected at one end with the cranked drive-shaft, and has its opposite end terminating in a ball, H, bearing in the socket-extension of the toothed segment. The segment and pinion are shown as arranged on a wear-plate, I. The toothed segment is shown as having the socket-extension formed integral therewith; but it is obvious that the extension may comprise a separate number, such, for instance, as a rigid arm having a socket-bearing to receive the ball end of the pitman.

Having described this invention, what we claim is—

1. The combination, with the agitator-shaft and its pinion, of the toothed segment having the socket-extension and devices for oscillating the said segment, substantially as specified.

2. The combination, with the agitator-shaft carrying a fixed pinion, of the oscillating toothed segment engaging the said pinion and provided with a socket-extension, and the pitman having a ball-extension at one end to bear in the said socket, substantially as specified.

3. The combination, with the cover having the bracket-arms, of the crank-shaft supported therein and provided with the drive-wheel, the pitman connected with the crank-shaft, the oscillating toothed segment, and the agitator-shaft carrying the fixed pinion, substantially as specified.

LOUIS P. JORDAN.
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Witnesses:

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