

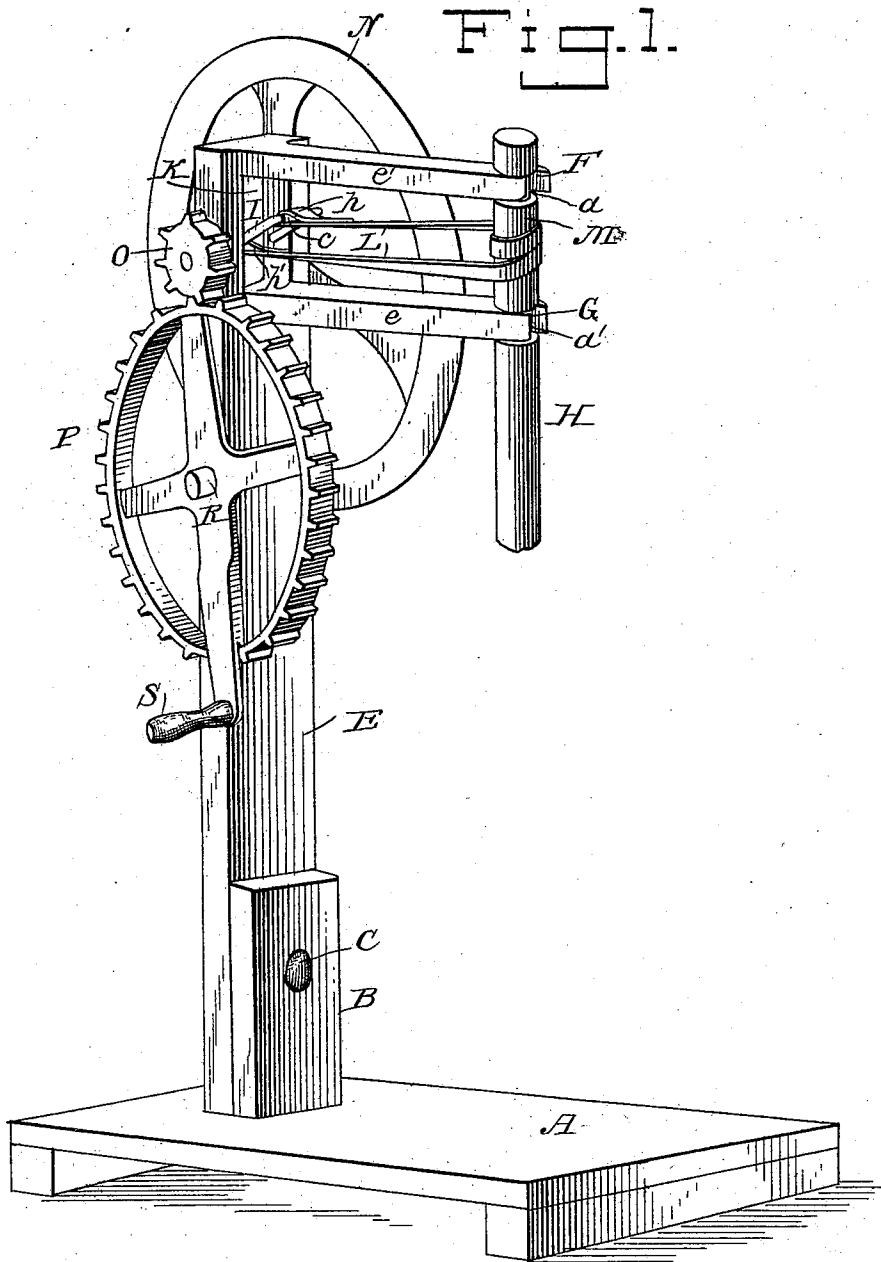
(No Model.)

2 Sheets—Sheet 1.

D. C. CAMP.
MECHANICAL MOTOR.

No. 294,850.

Patented Mar. 11, 1884.



WITNESSES

Chas H Baker,
Frank Adams

INVENTOR

D. C. Camp.

H. J. Tunn
Attorney

(No Model.)

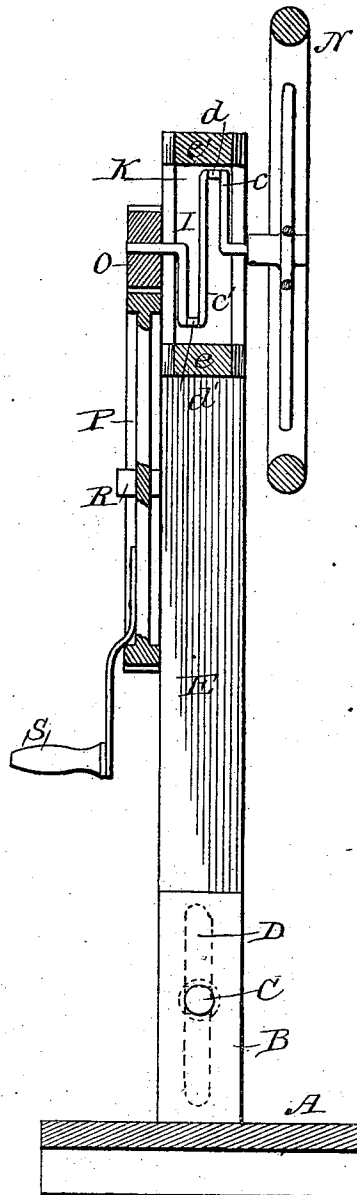
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Fig. 2.



WITNESSES

Chas. H. Baker,
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INVENTOR

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UNITED STATES PATENT OFFICE.

DAVID C. CAMP, OF ATHENS, GEORGIA, ASSIGNOR TO CAMP BROTHERS,
OF SAME PLACE.

MECHANICAL MOTOR.

SPECIFICATION forming part of Letters Patent No. 294,850, dated March 11, 1884.

Application filed February 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, DAVID C. CAMP, a citizen of the United States, residing at Athens, in the county of Clarke and State of Georgia, have invented certain new and useful Improvements in Mechanical Motors, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention has relation to certain new and useful improvements in mechanical motors, and has for its object to convert a rotary into a reciprocating rotary motion; and to that end the novelty consists in the construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the claims.

Figure 1 is a perspective elevation of my improved motor, and Fig. 2 is a vertical section of the same.

A is the base, and it is provided with a standard, B, having bolt C passing through a slot, D, in the upright E, so that the latter may be vertically adjusted when desirable. The upper part of this upright E has two arms, *e e'*, cast integral therewith, and they are provided with bearings F G at their outer ends, in which the journals *a a'* of the vertical shaft H rotate.

I is a crank-shaft mounted in the upright E, so as to rotate freely, the cranks *c c'* revolving in the recess K in said standard.

Upon the crank *c* is a sleeve, *d*, around which passes the loop *h* of the strap L, and the said strap passes once around the pulley M on the vertical shaft H, thence to the other crank, *c'*, where it is secured around the sleeve *d'*, forming a loop, *h'*.

N is a fly-wheel secured to one end of the

double-crank shaft I, and to the other end is secured a small gear wheel or pinion, O.

P is a large gear-wheel journaled upon a stud-bolt, R, on the upright E, and it meshes with the pinion O. This wheel P has an operating-handle, S, and it will readily be seen that when the handle S is operated a rapid rotary motion is communicated to the crank-shaft I, and by means of the cranks *c c'* and straps L a reciprocating rotary motion is communicated to the pulley M, which is rigid with the shaft H.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

1. The combination, with the double-crank shaft I, of the straps L and pulley M, as and for the purpose set forth.

2. The combination, with the upright E, having recess K and arms *e e'*, of the double-crank shaft I, strap L, and shaft H, having pulley M, as and for the purpose set forth.

3. The combination, with the standard B and bolt C, of the upright E, having slot D, recess K, and arms *e e'*, and double-crank shaft I, strap L, and vertical shaft H, having pulley M.

4. The upright E, having gear-wheel P, handle S, recess K, and arms *e e'*, in combination with double-crank shaft I, having fly-wheel N and pinion O, and the straps L and shaft H, as set forth.

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

DAVID C. CAMP.

Witnesses:

CHAS. H. BAKER,
H. J. ENNIS.