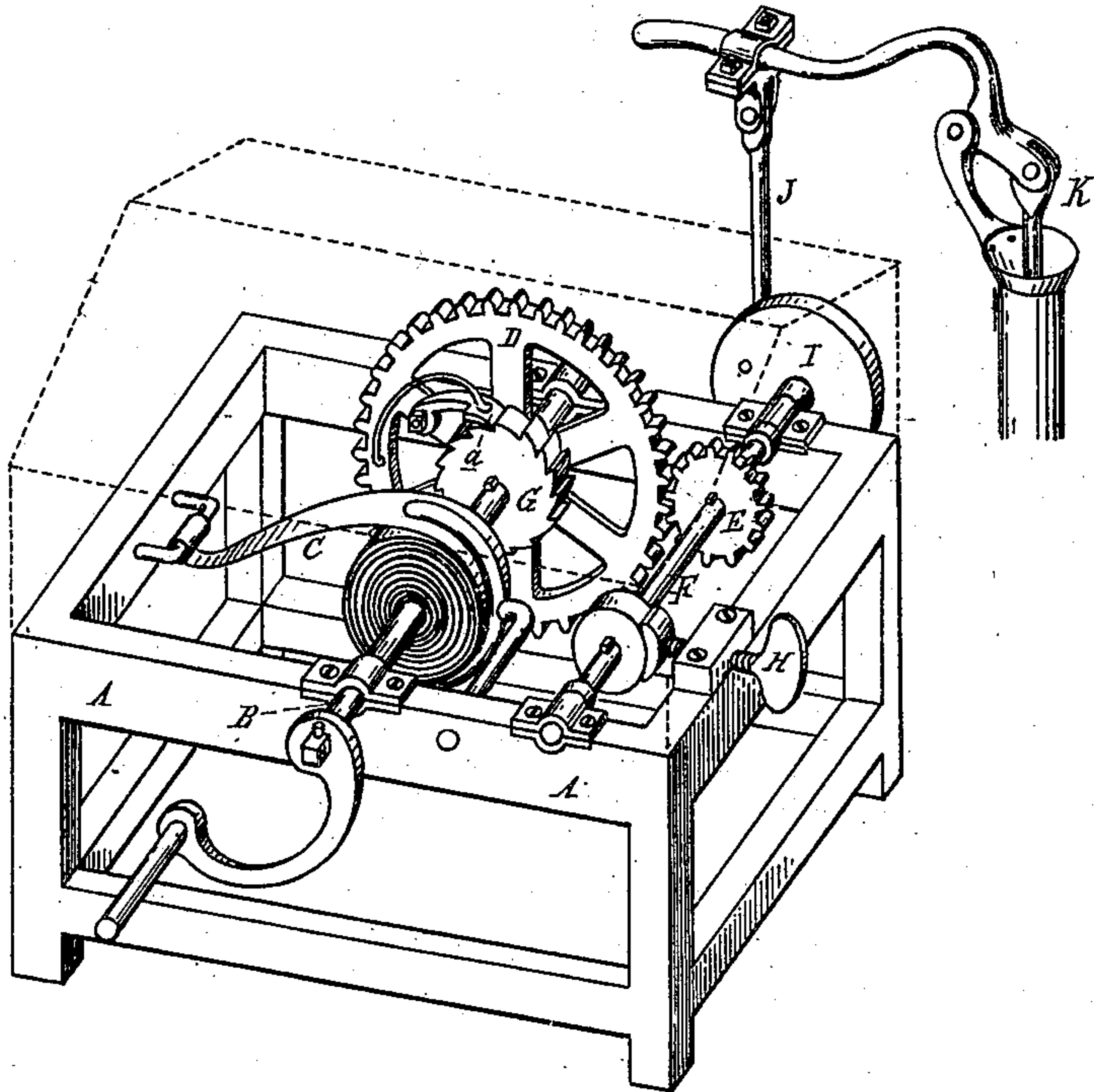


(No Model.)

G. H. GASTON & M. CAMPBELL.
Motor for Operating Pumps.

No. 230,474.

Patented July 27, 1880.



Attest:
W. Barthel
Charles J. Hunt.

Inventors:
G. H. Gaston
M. Campbell
Jas. S. Sprague

UNITED STATES PATENT OFFICE.

GEORGE H. GASTON AND MORGAN CAMPBELL, OF FOWLerville, MICH.

MOTOR FOR OPERATING PUMPS.

SPECIFICATION forming part of Letters Patent No. 230,474, dated July 27, 1880.

Application filed May 27, 1880. (No model.)

To all whom it may concern:

Be it known that we, GEORGE H. GASTON and MORGAN CAMPBELL, of Fowlerville, Livingston county, Michigan, have invented an
5 Improvement in Mechanical Power for Operating Pumps, of which the following is a specification.

The nature of this invention relates to certain new and useful improvements in the construction of a power designed for operating
10 pumps; and the invention consists in the peculiar construction, arrangement, and combination of the various parts, all as more fully hereinafter set forth.

15 The accompanying drawing, which forms a part of this specification, shows our invention in perspective.

A represents a suitable frame, to the top of which, and in proper bearings, are journaled
20 the shafts B F. To the shaft B is rigidly secured one end of the clock-spring C, the opposite end of which is secured to the frame A. A gear-wheel, D, is sleeved upon this shaft B, and a ratchet-wheel, G, is keyed upon the
25 shaft at one side of the wheel D. A click, a, in the face or side of the wheel D engages with the ratchet-wheel.

A pinion, E, is keyed upon the shaft F and meshes with the driving-wheel D, and to one end of this shaft F is secured a disk, I, to the
30 wrist-pin of which is pivotally secured the connecting-rod J, which in turn is secured to the handle of the pump K. A brake, H, is employed to regulate the speed of the device by its frictional contact with the shaft F.

In practice the spring C is wound upon the shaft B, which imparts a rotary motion to the disk I through the connections hereinbefore described, and by means of the connecting-rod
35 J the pump-handle is operated.

The construction and operation of this device are so simple that a further description thereof is not deemed necessary.

We claim—

In a device for operating pumps, and in combination with the frame A, the shafts B F,
45 spring C, toothed wheels D E, ratchet G, and brake H, substantially as and for the purposes set forth.

GEORGE H. GASTON.
MORGAN CAMPBELL.

Witnesses:

H. S. SPRAGUE,
CHARLES J. HUNT.