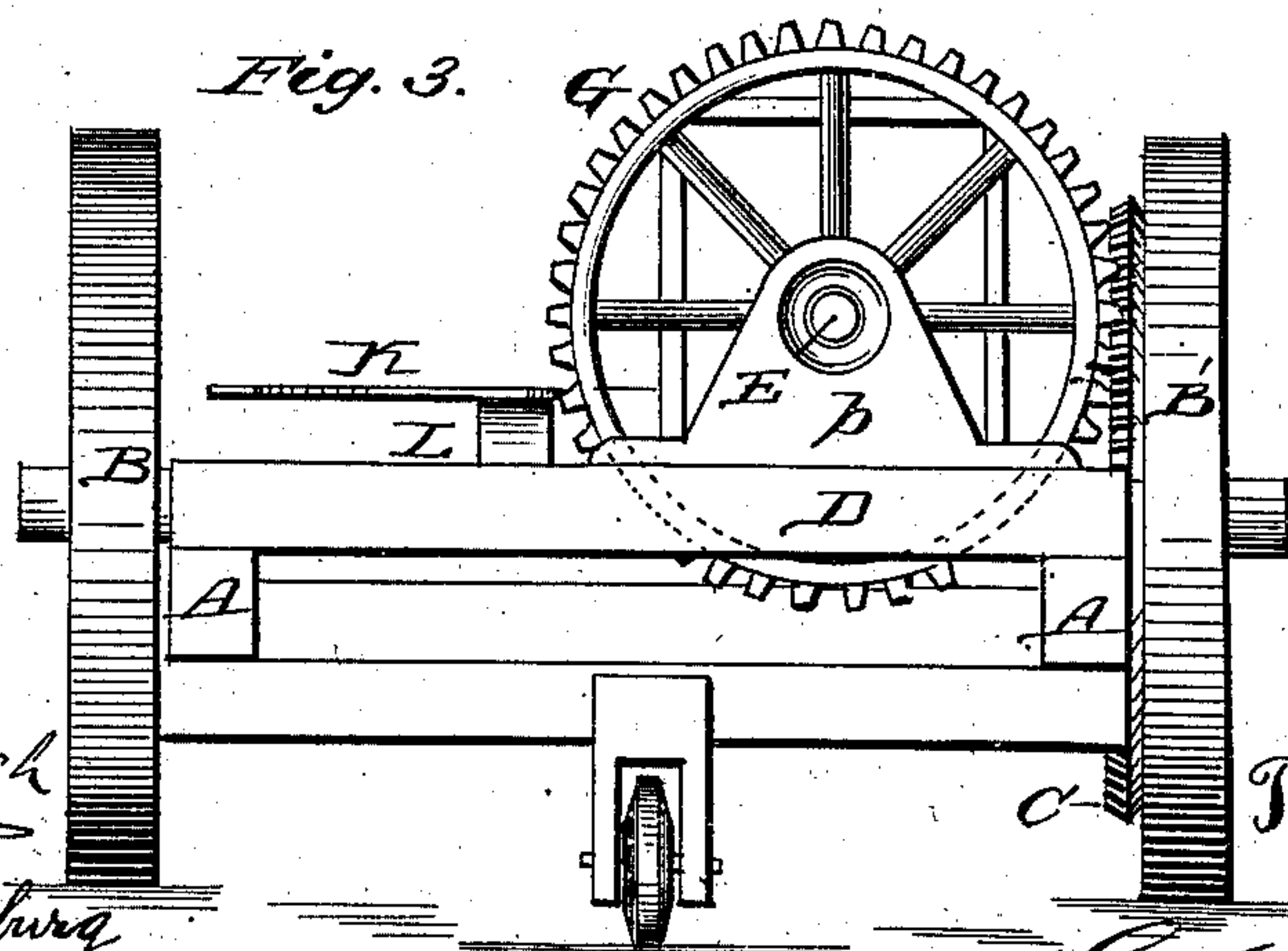
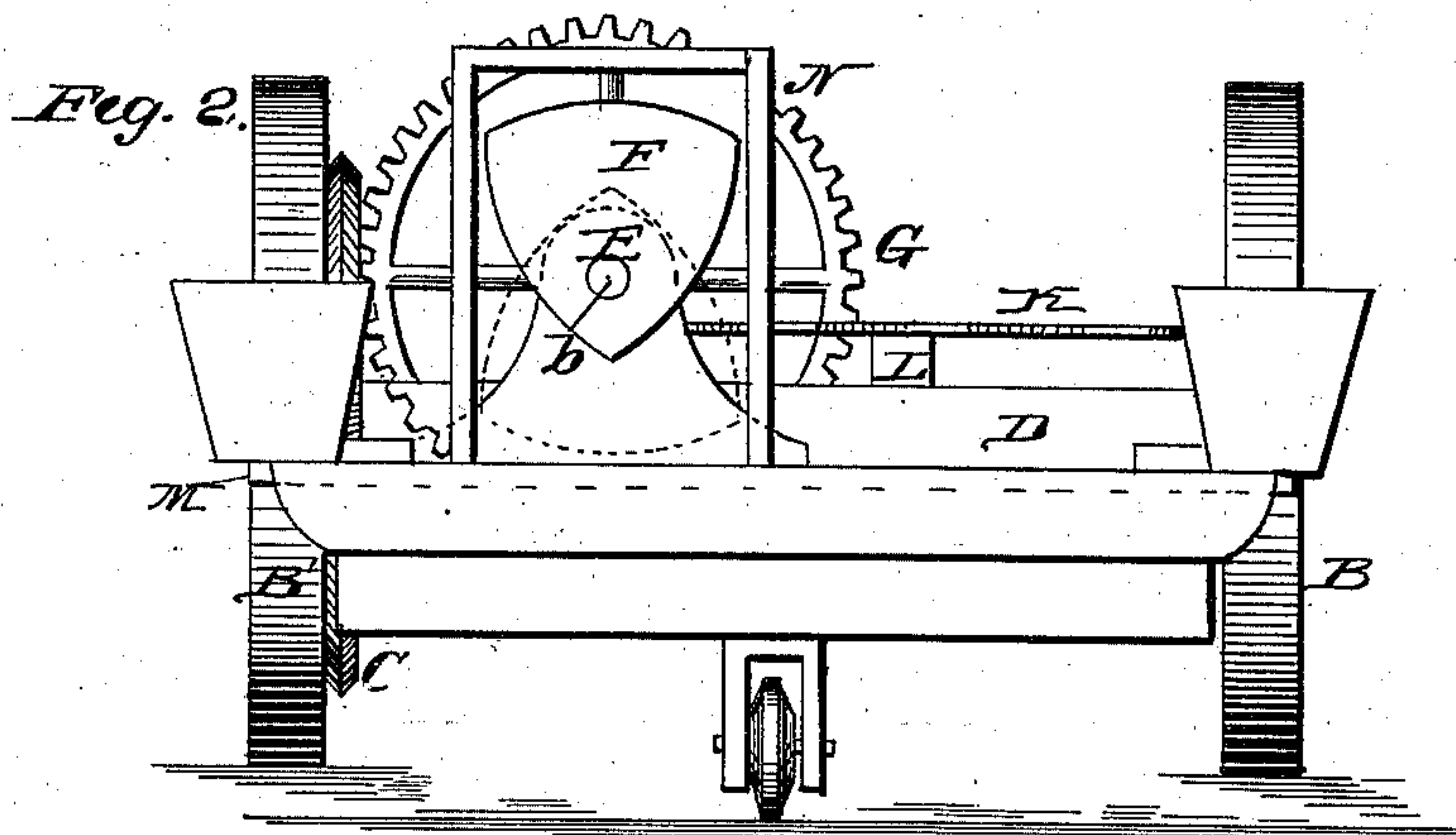
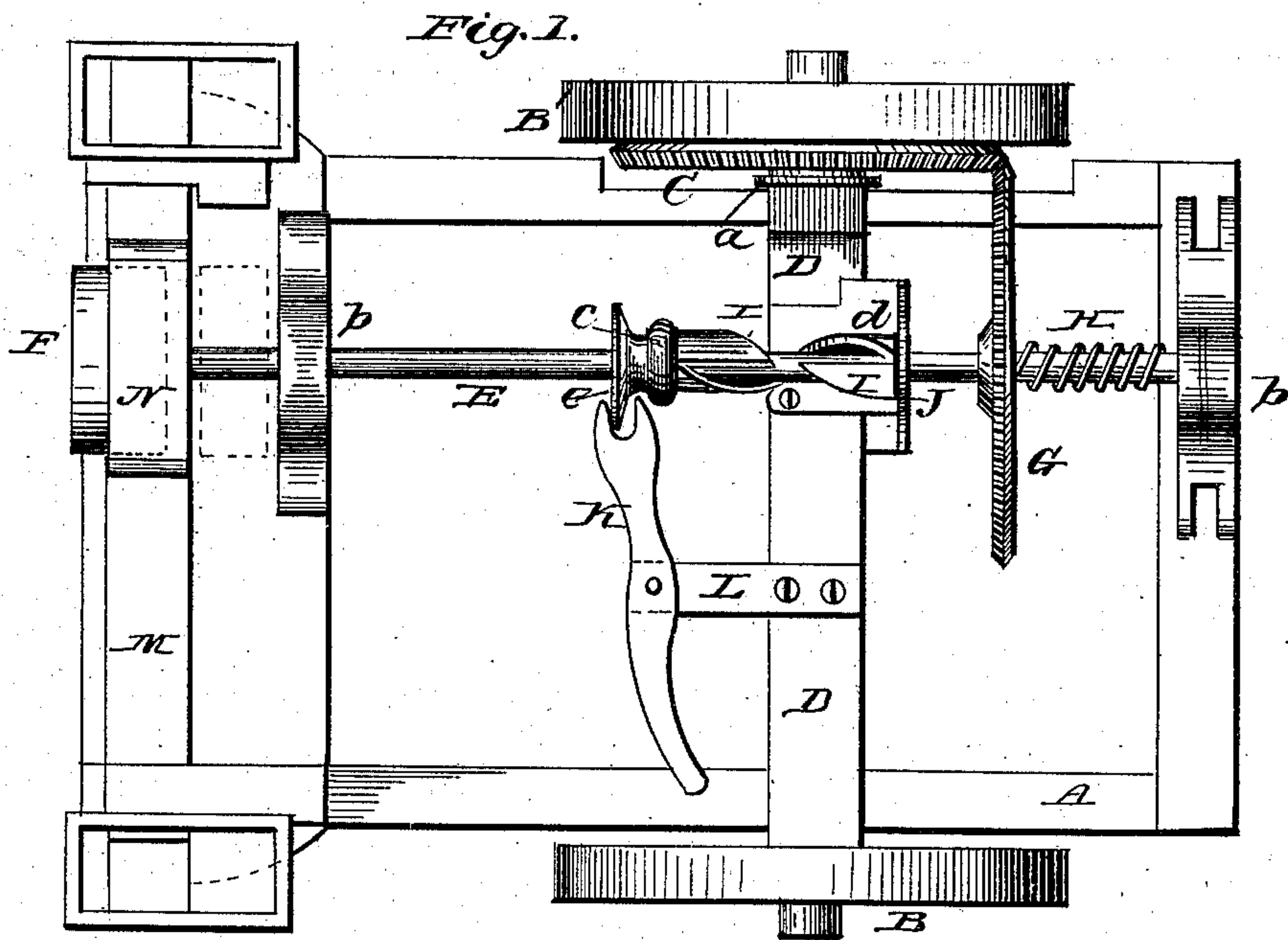


T. PEPSON.
Corn-Planter.

No. 211,255.

Patented Jan. 7, 1879.



Witnesses
Hed. G. Dietrich
George Binstenberg

Inventor
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UNITED STATES PATENT OFFICE.

THOMAS PEPSON, OF LA SALLE, ILLINOIS.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **211,255**, dated January 7, 1879; application filed November 12, 1878.

To all whom it may concern:

Be it known that I, THOMAS PEPSON, of La Salle, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a plan view of a corn-planter embodying the improvements in my invention. Fig. 2 is a front elevation, and Fig. 3 is a rear elevation, of the same.

This invention has relation to corn-planters; and it consists in the improvements in the construction of the same, hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawing similar letters of reference indicate corresponding parts in the several figures.

A is the frame, having the transporting-wheels B B', the wheel B' being also the driving-wheel. The wheel B' is provided on its inner face with the gear-wheel C, and the washer *a* is interposed between the inner face of this gear-wheel and the shoulder on the axle D. A shaft, E, is mounted in bearings K L, rising from the frame A, and is provided at its front end with a quadrant-cam, F, and near its rear end with a spur-gear wheel, G, which engages with the gear-wheel C on the inner face of the drive-wheel B'. The spur-gear wheel G is held in gear with the gear-wheel C by a helical spring, H, encircling the shaft E, abutting against the spur-gear wheel G and the rear bearing *b*. A sectional serrated sleeve, I, encircles the shaft E, one portion, *c*, of which revolves with the shaft, and the other portion, *d*, is fixed to a boxing or bearing, J, secured to and rising from the axle D. The portion *c* of this serrated sleeve I is provided with a collar, *e*, which enters the jaws of a bifurcated lever, K, pivoted to an arm, L, extending forward from the axle D. This lever K is a foot-lever, and is used to throw the operative mechanism

in and out of gear, thereby giving the driver the use of both of his hands in controlling the team. The seed-slide M works beneath or in the bottoms of the hoppers in the ordinary manner. A rectangular frame, N, rises from the seed-slide between the hoppers, and is actuated by the quadrant-cam upon the shaft E when the gears are connected to cause the seed to be dropped alternately from the hoppers.

If from any cause the seed should not be dropped at the proper time, it is only necessary for the driver to use his foot to throw the mechanism out of gear by pressing upon the foot-lever, and to again permit it to operate, by coming into gear at the proper time, by removing his foot from the lever.

It will be observed that the section *d* of the sectional sleeve I is so disposed upon the bracket J that the section *c*, when brought in contact with it, will turn the shaft E, to which it is fixedly attached, in such a manner as to cause the cam E to carry the seed-slide into position for planting from one of the seed-boxes. This arrangement enables the driver at all times to regulate the planting, which is especially desirable after turning at the end of the field.

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

In a corn-planter having the driving-wheel B', sliding shaft E, having cam F, spur-wheel G, and spring H, and seed-slide M, having frame N, the sectional serrated sleeve I, one section of which, *d*, is permanently disposed upon a bracket, J, in such a manner as to cause the section *c*, when brought into engagement therewith, to partially rotate the shaft E, upon which it is secured, to bring the seed-slide into position for planting, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS PEPSON.

Witnesses:

PAUL LANING,
JOHN BURK.