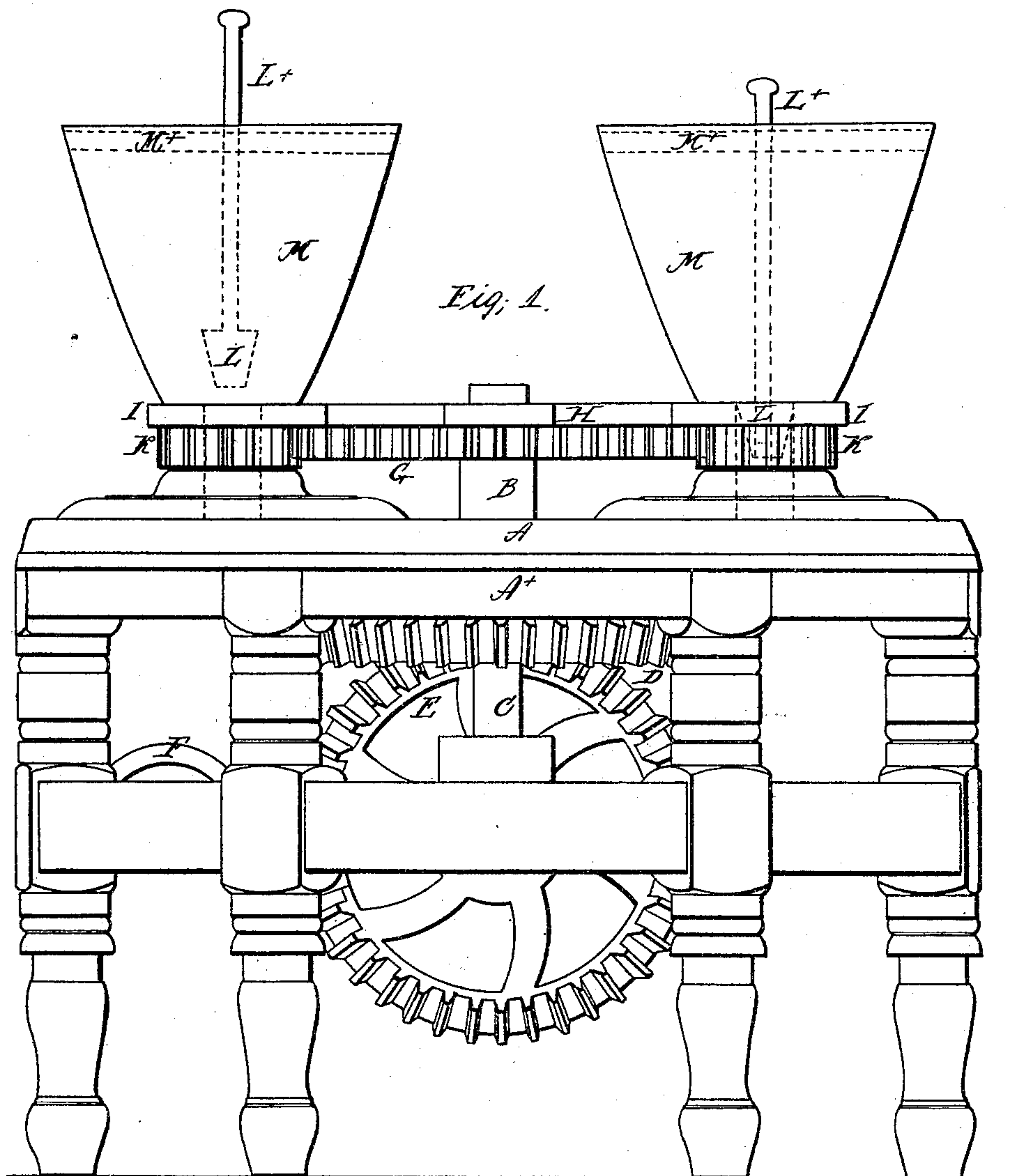


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No. 1,081.

Patented Feb. 15, 1839.



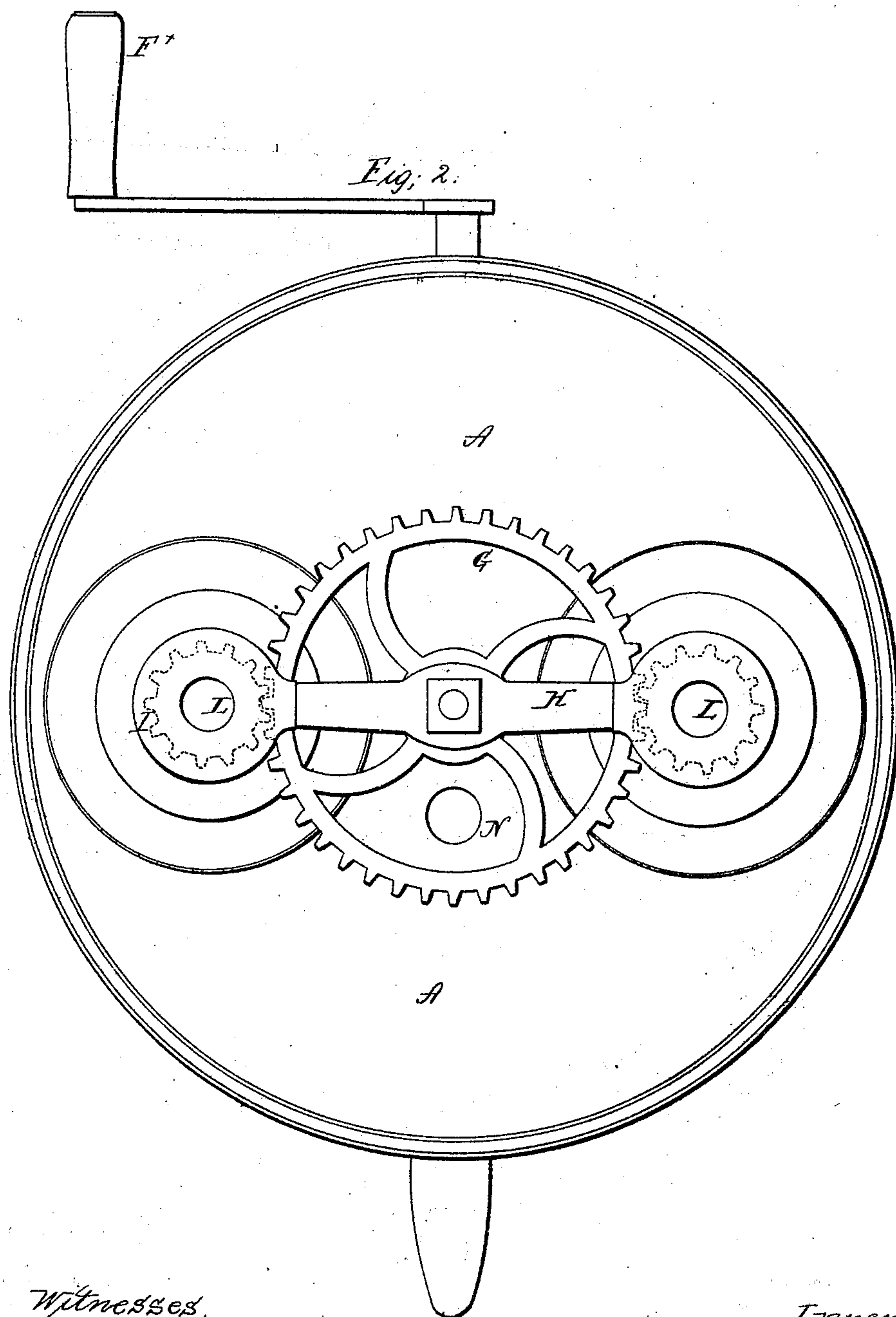
Witnesses,  
J. Roane  
H. Stone

Inventor,  
J. W. Webb

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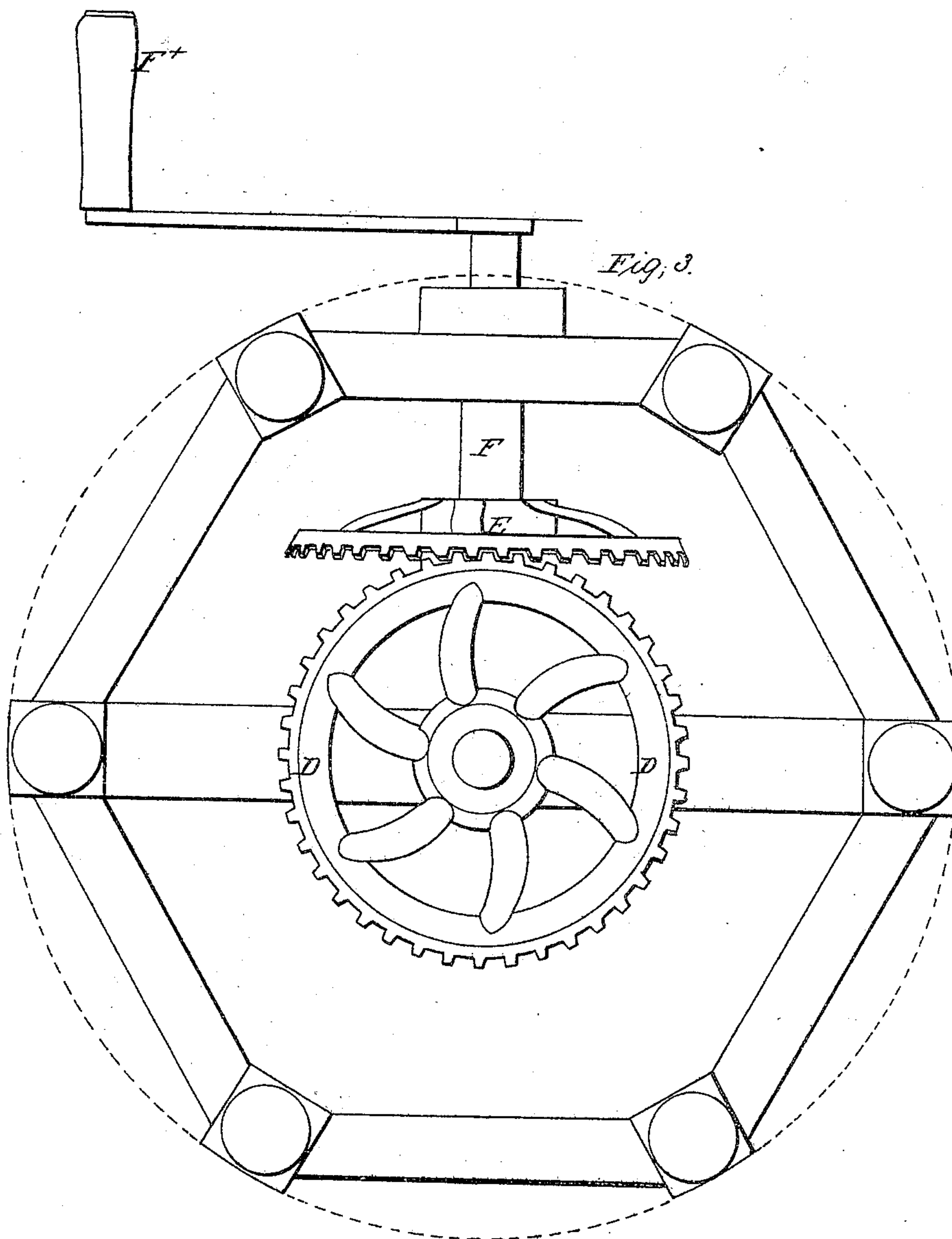
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J. W. Webb



# UNITED STATES PATENT OFFICE.

JOSEPH W. WEBB, OF MOUNT MORRIS, NEW YORK.

## MILL FOR GRINDING PAINTS.

Specification of Letters Patent No. 1,081, dated February 15, 1839.

*To all whom it may concern:*

Be it known that I, JOSEPH W. WEBB, of Mount Morris, Livingston County, and State of New York, have invented a new and Improved Mode of Grinding Paints; and I hereby declare that the following is a full and exact description thereof.

The nature of my invention consists in providing a more effectual, safe and expeditious mode of grinding paints by machinery than has heretofore been known or used. This machine consists of a circular cast-iron plate, 16 or more inches in diameter, upon which two or more iron mullers, 6 or more inches in diameter, with cups or hoppers above, to hold the paint, which are made to revolve both around upon the plate and around their own centers, by means of cog-wheels, worked by a crank or winch at the side of the frame supporting the plate and under the same, which communicates motion by means of bevel wheels to an upright axle passing through the plate, at the end of which is affixed a double lever bar extending and embracing the mullers, around the neck of each of which is a pinion-wheel working into a stationary cog-wheel affixed to the sheath or tube through which the center axle passes.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation, reference being had to the accompanying drawings, which make a part of this specification, in which

Figure 1, is an elevation, Fig. 2 a plan with the hoppers removed and Fig. 3 a plan below the bed plate A.

I construct a circular plate, A, with its upper surface plane and a ledge around its periphery to keep the ground paint from running off, and place the same upon a suitable frame A<sup>1</sup>. I make a circular aperture through the center and surmount the same with a sheath or tube, B, to which is firmly attached the cog-wheel, G. Through this aperture I pass an upright axle, C, the lower end resting on a step or in a socket, on or in which it revolves. Above the cog-wheel, G, I attach a double lever bar, H to the axle C by means of a screw nut. At the ends of this bar are placed mullers, M, M, attached to the necks of which are pinions, K, K,

working into the large cog-wheel G. Through the centers of the mullers apertures are made for the passage of the unground paint to the plate, which is regulated by conical plugs, L, L, fitting into the apertures; these plugs are each attached to a rod, L', which slides in a cross bar, M', at the top of the hopper. Valves of any construction can be substituted for these plugs.

M, M are hoppers or cups for the reception of the underground paint.

At N is an aperture through which the ground paint passes off by means of a tube underneath the plate A. On the axle, C is affixed a bevel wheel, D, which works into another bevel wheel, E, that is attached to a horizontal axle, F, at the outer end of which is a crank handle F'.

Operation: Power being applied to the winch or crank F' communicates motion to the shaft or axle, C and double lever H attached to it, which, by the connection, causes the mullers, M, M to revolve around the shaft, whilst, by means of the cog-wheel G, on the sheath or tube, and the pinions K, K, they rotate on their own centers. The material to be ground being placed in the hoppers, and the valves adjusted to suit the quality of paint, it passes down between the surface of the mullers and the bed plate and is ground coarse or fine in proportion to the quantity suffered to pass through the valves in a given time.

Having fully described the principle of my invention and the manner of constructing and using the same it will be understood that I do not claim as my invention simply the employment of a muller rotating on its own axis on a bed plate, this having been done; but

What I do claim as my invention and desire to secure by Letters Patent is—

The employment of two or more mullers, constructed as herein described, which revolve around the center of the bed plate, whilst they rotate upon their own centers by the combination of the shaft, C, bar, H, cog-wheel, G, and pinions K, K, as herein described.

J. W. WEBB.

Witnesses:

CLEM. T. COOTE,

ARTHUR L. MCINTIRE.