

J. M. C. BENNETT.
Sewing-Machine Motor.

No. 219,437.

Patented Sept. 9, 1879.

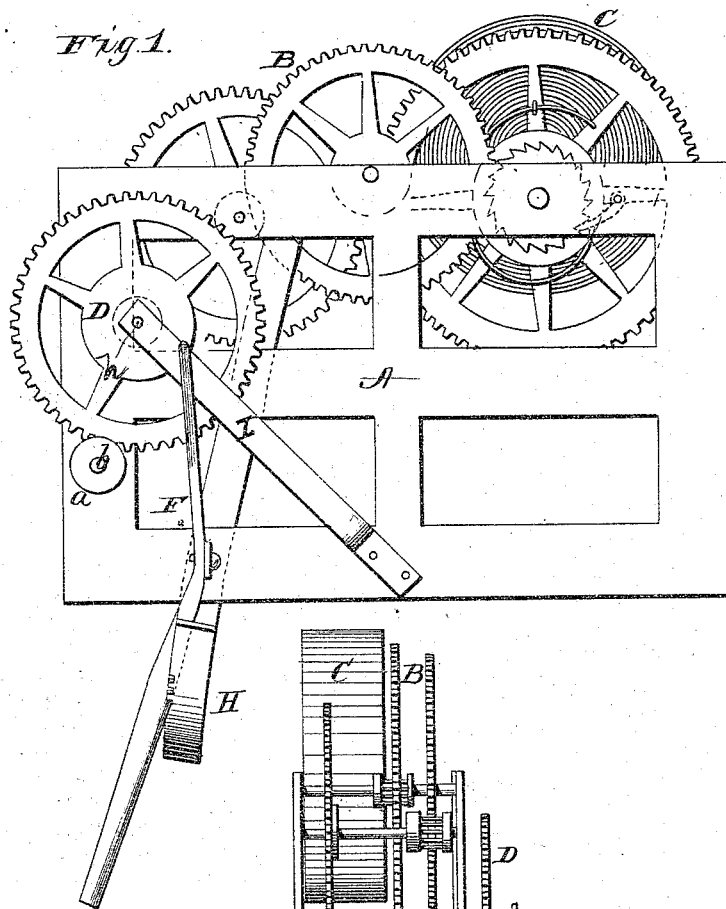
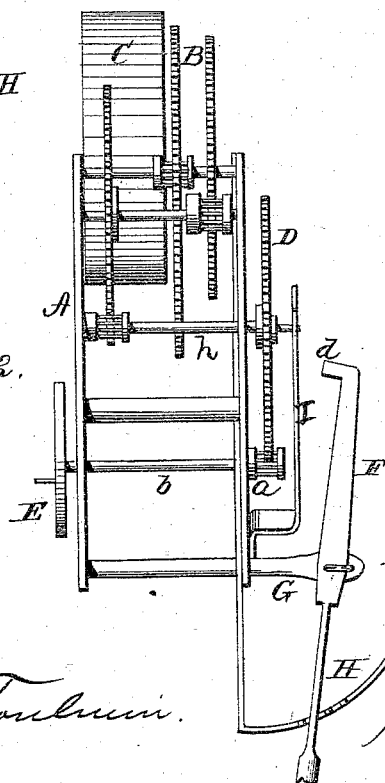


Fig. 2.



Witnesses,
F. L. Curran

H. Aubrey Toulmin.

Inventor,

J. M. C. Bennett

Alexander M. Smith
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN M. C. BENNETT, OF LANSING, MICHIGAN, ASSIGNOR OF ONE-HALF HIS
RIGHT TO AUGUSTUS F. WELLER, OF SAME PLACE.

IMPROVEMENT IN SEWING-MACHINE MOTORS.

Specification forming part of Letters Patent No. 219,437, dated September 9, 1879; application filed
July 22, 1879.

To all whom it may concern:

Be it known that I, JOHN M. C. BENNETT, of Lansing, in the county of Ingham, and in the State of Michigan, have invented certain new and useful Improvements in Sewing-Machine Motors; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to motors for sewing-machines; and it consists in certain peculiarities of construction, as will be hereinafter more fully set forth, and pointed out in the claim.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a side view, and Fig. 2 an end view, of the motor.

A represents a suitable frame-work, in which is an ordinary train of gearing, B, operated by means of a spring, C. D is the last wheel in the train of gearing, which wheel is located outside of the frame-work. *h* is the shaft on which said wheel is secured, the outer end of which shaft has the end of a spring-arm, I, placed over it, the other end of said spring-arm being permanently secured to the side of the frame-work.

The cog-wheel D meshes with a pinion, *a*, on one end of a shaft, *b*. On the other end of this shaft is a crank-wheel, E, which is to be connected by a pitman with the crank-wheel of the sewing-machine, or by any other suitable means so connected.

To an arm, G, projecting from the frame A is pivoted a brake-lever, F, which has on its inner end a protuberance or shoe, *d*, to be brought in contact with the side of the spring-arm I, and force the same with more or less force against the side of the wheel D, to regulate the speed or stop the machine, as desired.

H is a ratchet attached to the frame-work for holding the brake-lever.

This motor can be governed or regulated at will by placing the lever in different notches on the ratchet-bar, because it will readily be seen that the variable position of the lever F in the different notches of the ratchet-bar H will cause a variable pressure of the shoe *d* on the spring-arm I, and, consequently, on the wheel D.

The brake-lever F runs forward under the table, and is handled by the right hand of the operator as he sits facing the machine.

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

In combination with a sewing-machine motor composed of a train of gearing, B, operated by a spring, C, and having the wheel D outside of the frame-work, the spring-arm I and pivoted brake-lever F, with brake-shoe *d*, and the ratchet H, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of June, 1879.

JOHN M. C. BENNETT.

Witnesses:

E. A. OSBORN,
WM. W. OSBORN.