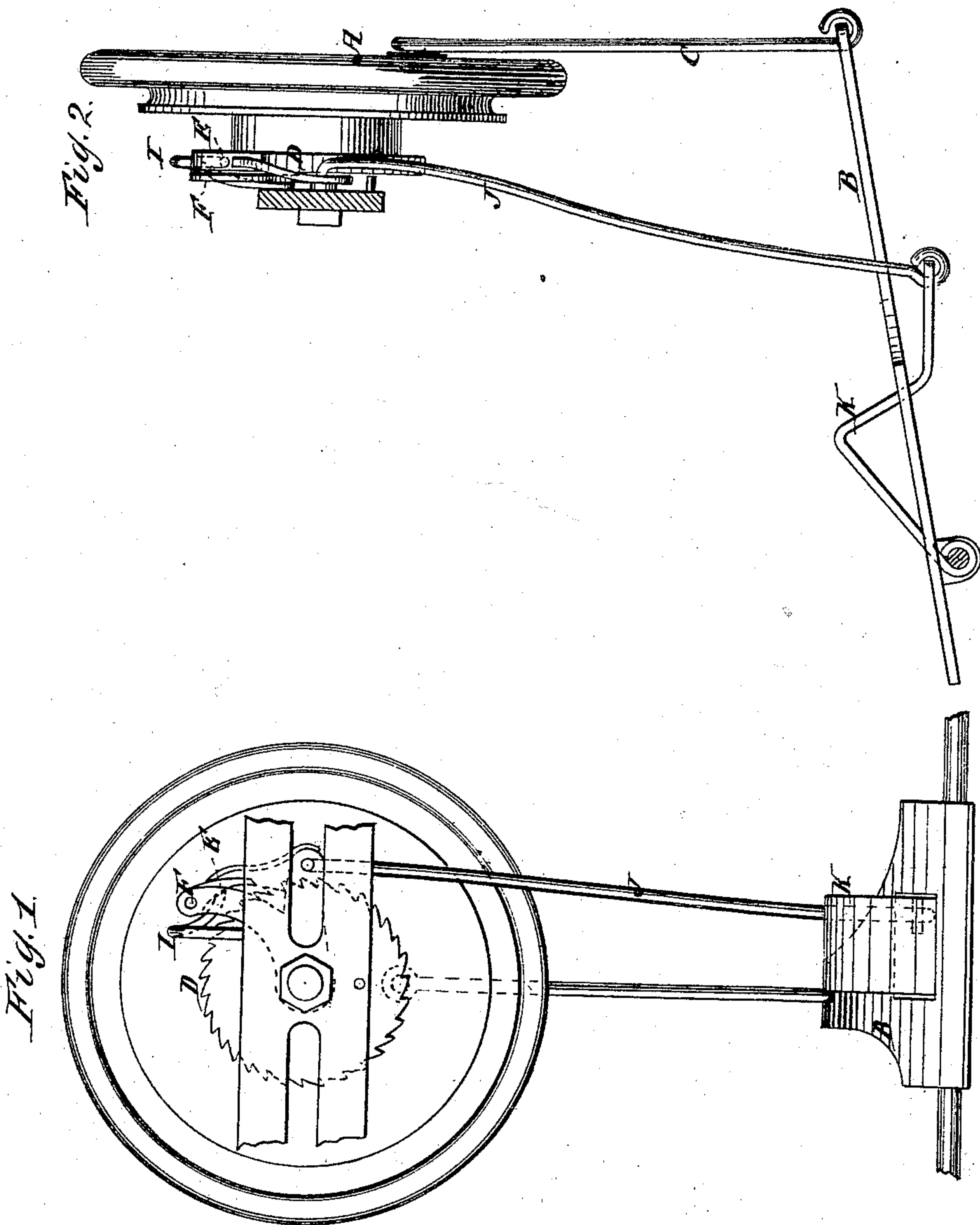


A. N. HAGERTY.
TREADLES FOR MACHINERY.

No. 169,692.

Patented Nov. 9, 1875.



WITNESSES:

E. Wolf
A. F. Perry

INVENTOR:

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UNITED STATES PATENT OFFICE.

ANDREW N. HAGERTY, OF WEST ALEXANDER, PENNSYLVANIA.

IMPROVEMENT IN TREADLES FOR MACHINERY.

Specification forming part of Letters Patent No. **169,692**, dated November 9, 1875; application filed May 1, 1875.

To all whom it may concern:

Be it known that I, ANDREW N. HAGERTY, of West Alexander, in the county of Washington and State of Pennsylvania, have invented a new and Improved Treadle Mechanism, of which the following is a specification:

My invention consists of an auxiliary treadle and connecting-rod, in combination with the main treadle and connecting-rod, to work a pawl for starting the machine by a ratchet-wheel, so as to insure the turning of it in the right direction, and to avoid the necessity of starting the balance-wheel by hand, thus leaving both hands free for managing the work.

Figure 1 is a side elevation of a treadle-motion of my invention, and Fig. 2 is an elevation taken in a plane at right angles to that of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is the balance-wheel; B, the ordinary treadle; C, the connecting-rod. D is a ratchet-wheel, which I propose to apply to the shaft of the balance-wheel, or to the wheel it-

self, with a pawl, E, pawl-lever F, retracting-spring I, connecting-rod J, and a treadle, K, the treadle being arranged so that it can remain at rest or be worked together with the principal treadle when the machine is running, and can be worked independently of it for starting the machine by raising the foot off from it to allow the spring to raise the pawl, and then pressing it down to the principal treadle to start, after which they are worked together; or the foot may be moved off the starting-treadle to let it rest.

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

The combination of the auxiliary treadle K, connecting-rod J, pawl-lever F, pawl E, and a spring, I, with the ordinary treadle and connecting-rod of a sewing-machine, substantially as specified.

ANDREW N. HAGERTY.

Witnesses:

ANDREW H. JAMISON,
W. L. PORTER.