

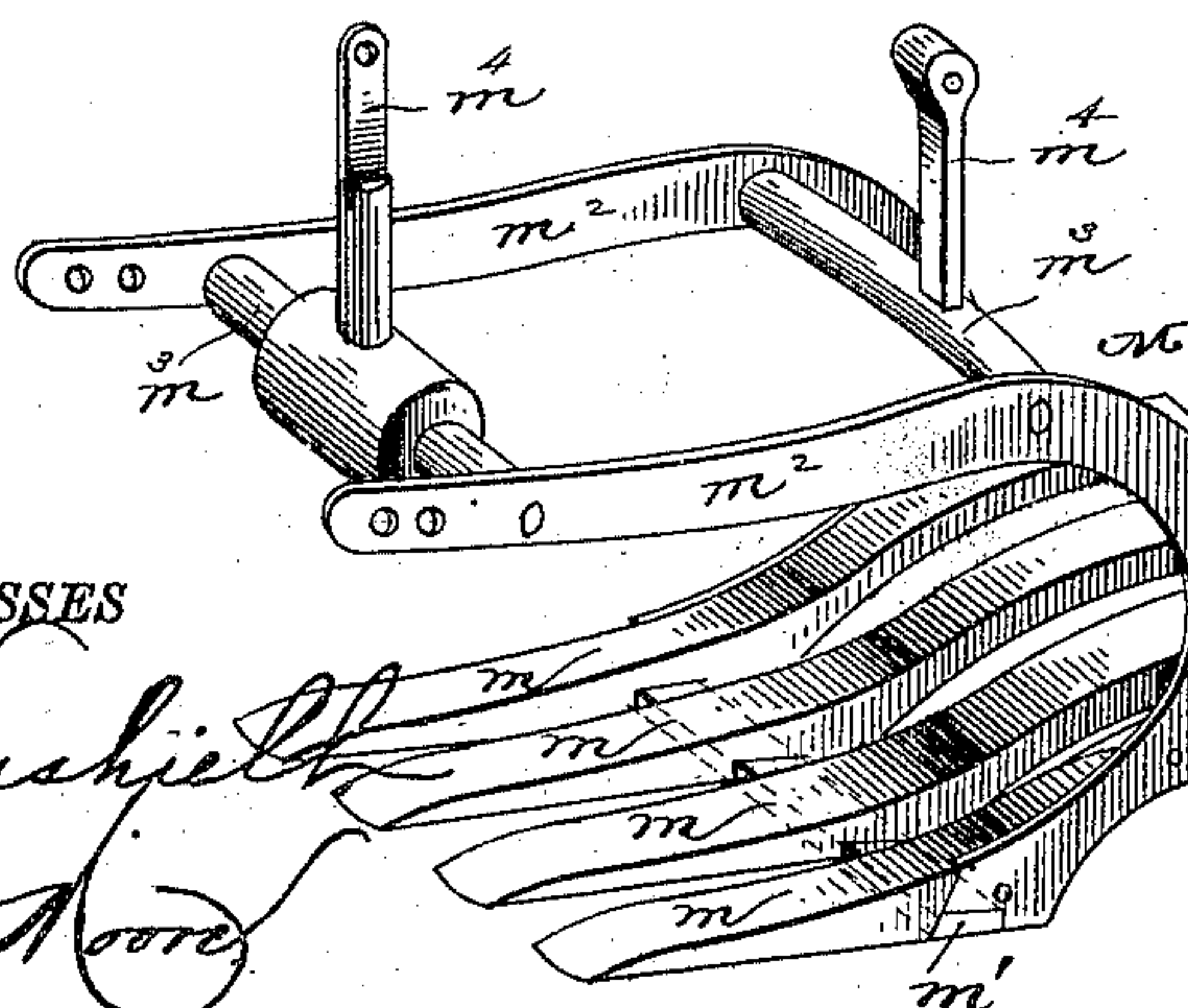
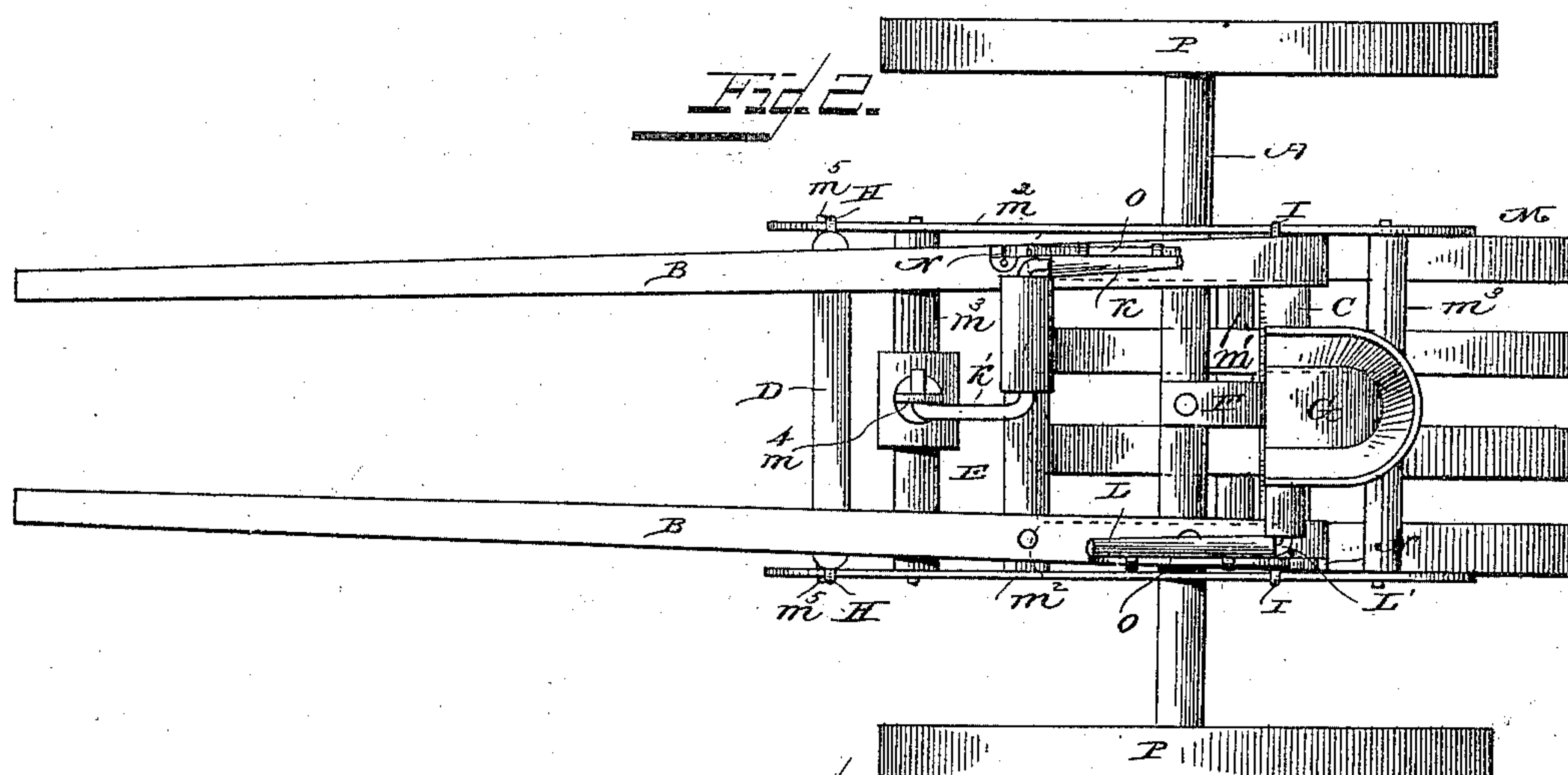
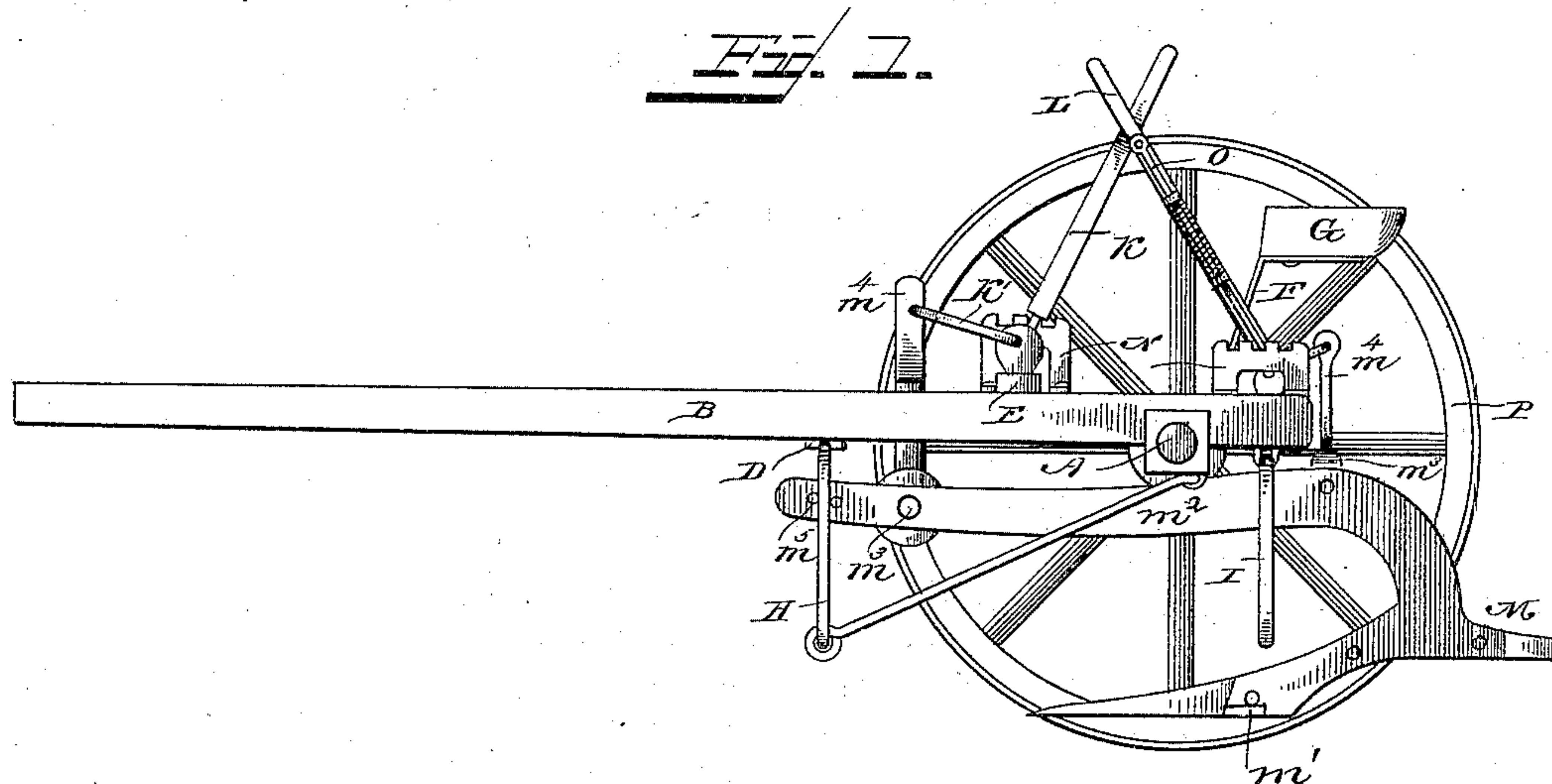
(No Model.)

L. G. JACKSON.

POTATO DIGGER.


No. 330,898.

Patented Nov. 24, 1885.



WITNESSES

INVENTOR



L. G. Jackson.

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UNITED STATES PATENT OFFICE.

LOREN GRANT JACKSON, OF WOODMAN, WISCONSIN, ASSIGNOR OF ONE-HALF TO OSCAR M. LOOMIS, OF SAME PLACE.

POTATO-DIGGER.

SPECIFICATION forming part of Letters Patent No. 330,898, dated November 24, 1885.

Application filed July 1, 1885. Serial No. 170,371. (No model.)

To all whom it may concern:

Be it known that I, LOREN G. JACKSON, a citizen of the United States, residing at Woodman, in the county of Grant and State of Wisconsin, have invented a new and useful Improvement in Potato-Diggers, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in potato-diggers; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of a potato-digger embodying my invention, the rear wheel being removed. Fig. 2 is a top plan view of the same. Fig. 3 is a detailed perspective view of the digger.

A represents the axle, to which is secured the rear divided end of the tongue B, which forms the frame, a transverse beam, C, being secured between the rear divided ends of the tongue, which extend a slight distance beyond the rear side of the axle, as shown. A transverse bar, D, is secured to the tongue at a suitable distance from and in front of the axle, said bar being secured on the under side of the tongue, and on the upper side thereof, in rear of the bar D, is a transverse beam, E. A spring-standard, F, is secured to the center of the axle, and carries the driver's seat G. Slotted standards H depend from the ends of the bar D, and similar standards, I, depend from the rear divided ends of the tongue, the standards H being braced, as shown.

K represents a hand-lever, that is journaled on one end of the beam E, and has an arm, K', bent at right angles, and L represents a similar hand-lever journaled on the rear end of the frame diagonally opposite the hand-lever K, and having a bent arm, L'.

The scoop or digger M is composed of the curved fingers m , which are secured at the proper distance from and parallel to each other on a transverse bar, m' . To the outer of the fingers are bolted the curved beams m^2 , which extend through the slotted standards H and I, and are secured together by trans-

verse bars m^3 , journaled in the braces m^2 . This scoop or digger is suspended below the frame by straps m^4 , which connect the bars m^3 with the bent arms K' and L' of the hand-levers. Transverse bolts or pins m^5 are passed through the forward extended ends of the beams m^2 , and bear against the front sides of the standards H, and sustain the draft of the digger. Rack-segments N are provided on the frame, and the hand-levers are provided with spring-actuated bolts O, to engage with the racks and hold the levers at any desired position. Supporting-wheels P are journaled on the ends of the axle in the usual manner. By means of the hand-levers the digger or scoop can be caused to run in the ground at any desired depth or to be raised out of the way when in transportation and not in operation. The transverse bars m^3 form fulcrum-points for the beams of the digger. By means of the levers K L either the front or rear end of the digger may be raised or lowered, and thus incline the digger to any desired angle. By this construction perfect adjustability is provided for the digger, and it is thereby rendered capable of being adjusted so as to run in the ground at any desired angle or at any desired depth. As the machine moves along, the digger uproots the potatoes, and as they move rearwardly over the digger they are cleared of adhering earth and roots and deposited on top of the ground.

A potato-digger thus constructed is exceedingly light, cheap, and simple, is thoroughly practical in operation, and is not likely to get out of order.

Having thus described my invention, I claim—

1. In combination with the frame and the levers, the digger or scoop composed of the curved parallel fingers m , the beams m^2 , secured to the outer sides of the outer fingers, and the bars m^3 , journaled in the beams near the front and rear ends thereof for suspending the digger or scoop below the frame, substantially as described.

2. The combination of the frame having the levers K L and the depending slotted standards H and I with the scoop or digger hav-

ing the curved parallel fingers, and the side
beams, m^2 , working in the slotted standards,
the transverse bars m^3 , journaled in the beams,
and the links m^4 , connecting the said bars
5 with the levers, whereby the scoop or digger
may be raised or lowered at either end, sub-
stantially as described.

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

LOREN GRANT JACKSON.

Witnesses:

J. McLAUGHLIN,
HENRY R. FLORY.