A. HAMLIN.

Dog-Power.

No. 211,904. Patented Feb. 4, 1879.

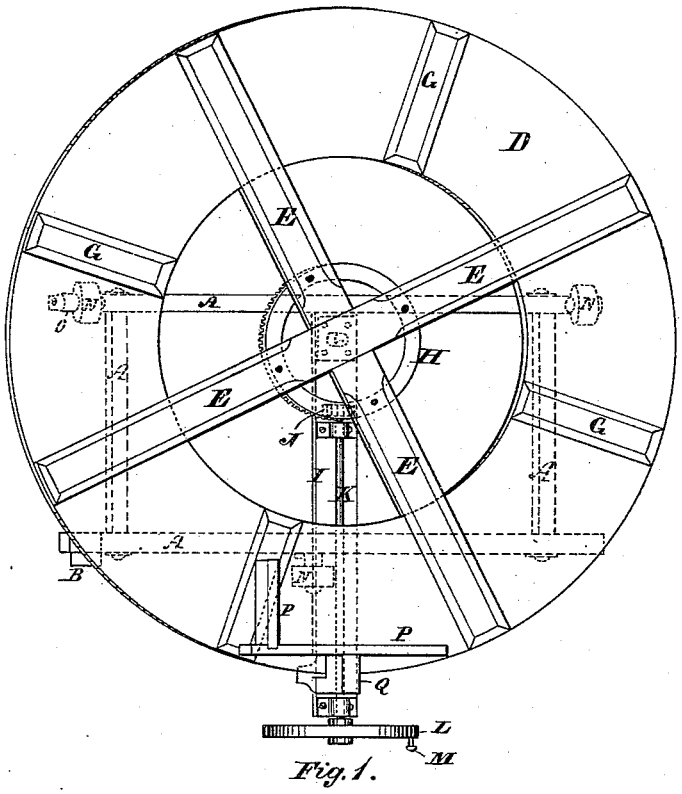

Fig. 1.

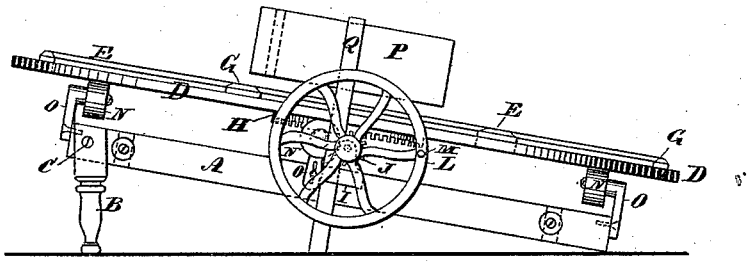

Fig. 2.

Witnesses.
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UNITED STATES PATENT OFFICE.

ALPHEUS HAMLIN, OF ALMONTE, ONTARIO, CANADA.

IMPROVEMENT IN DOG-POWERS.

Specification forming part of Letters Patent No. **211,904**, dated February 4, 1879; application filed March 21, 1878.

To all whom it may concern:

Be it known that I, ALPHEUS HAMLIN, of Almonte, in the county of Lanark, in the Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements on Dog-Powers; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to that class of machines in which a rotary platform set at an incline is turned by the walking movement of a dog standing thereon; and it consists, first, of a rotary platform composed of arms halved together at center, and halved at the ends to receive the floor of the platform, and slats corresponding in height thereto, planted on said floor radially, to form resistance-cleats for the feet of the animal; second, of a rectangular frame having shifting legs near one end, the opposite end bearing on the ground, to admit of adjustability for giving a greater or less inclination to the platform, as may be desired; third, of friction-rollers having standards adjustable vertically, to elevate the platform for throwing the crown-wheel and pinion out of gear when required.

Figure 1 is a plan of my improved dog-power. Fig. 2 is a side view of the same.

A is a rectangular frame of the machine, set inclinedly by means of legs B near one end, the opposite end bearing on the ground. The legs B are checked to support the frame A, and removably fastened thereto by screws C, so that the frame can be adjusted at a greater or less inclination by moving the legs to or from one end of the frame, whereby the platform will be correspondingly inclined to suit the weight of the dog.

The platform is composed of arms E, which, at their intersection, are halved together and halved at their outer ends to a floor, D, whereby the arms will project above the floor and form a cleat corresponding in height to the cleats G, planted on the floor to roughen the walking-surface for the dog. The platform-floor is thus of the uniform thickness of one board, and is plane on the under side, the object being to make it of light construction.

H is a crown-wheel, bolted to the under side of the arms E at their intersection. It has an axial hub and spindle, which rotates in a step on a bar, I, bolted to the frame A, and which spindle forms the pivot-center of the rotary platform. The crown-wheel cogs engage with a pinion, J, on the driving-shaft K, on the end of which is keyed the driving-wheel L, to operate an endless belt, or for the attachment of a pitman by a wrist-pin, M, as may be desired.

The platform bears outwardly on friction-rollers N, which are axially pivoted to standards O, having longitudinal vertical slots, through which passes a fastening-screw into the frame A, whereby the standards can readily be raised or lowered to throw the crown-wheel and pinion in and out of gear, as may be desired.

P is the stall for the dog, mounted over the platform, and attached to a post, Q, which is secured to the bar I.

I am aware that a revolving platform having spokes entering a hub on the crown-wheel is old, and such construction I do not claim.

I claim as my invention—

1. The platform constructed of arms E, halved together at their intersection, and halved at their outer ends to receive a single board floor, D, whereby are formed raised cleats, corresponding to cleats G, planted radially on the floor, and the under side of the floor is a plane surface, as set forth.

2. The rectangular frame A, provided with removable and shiftable legs B, for adjusting the inclination of the platform, to which the wheel H is bolted, as set forth.

3. The combination, with the frame A and circular platform D E G, supported at an inclination on the shiftable legs B, of the friction-rollers N, axially mounted on the slotted standards O, at the end of and capable of vertical adjustment on said frame, to raise or lower the crown-wheel in or out of gear, and to afford direct support to the platform, substantially as set forth.

A. HAMLIN.

Witnesses:
HENRY GRIST,
JOHN GRIST.