(No Model.)

E. HARRINGTON.

HOISTING MACHINE.

No. 272,431. Patented Feb. 20, 1883.

Fig. 1.

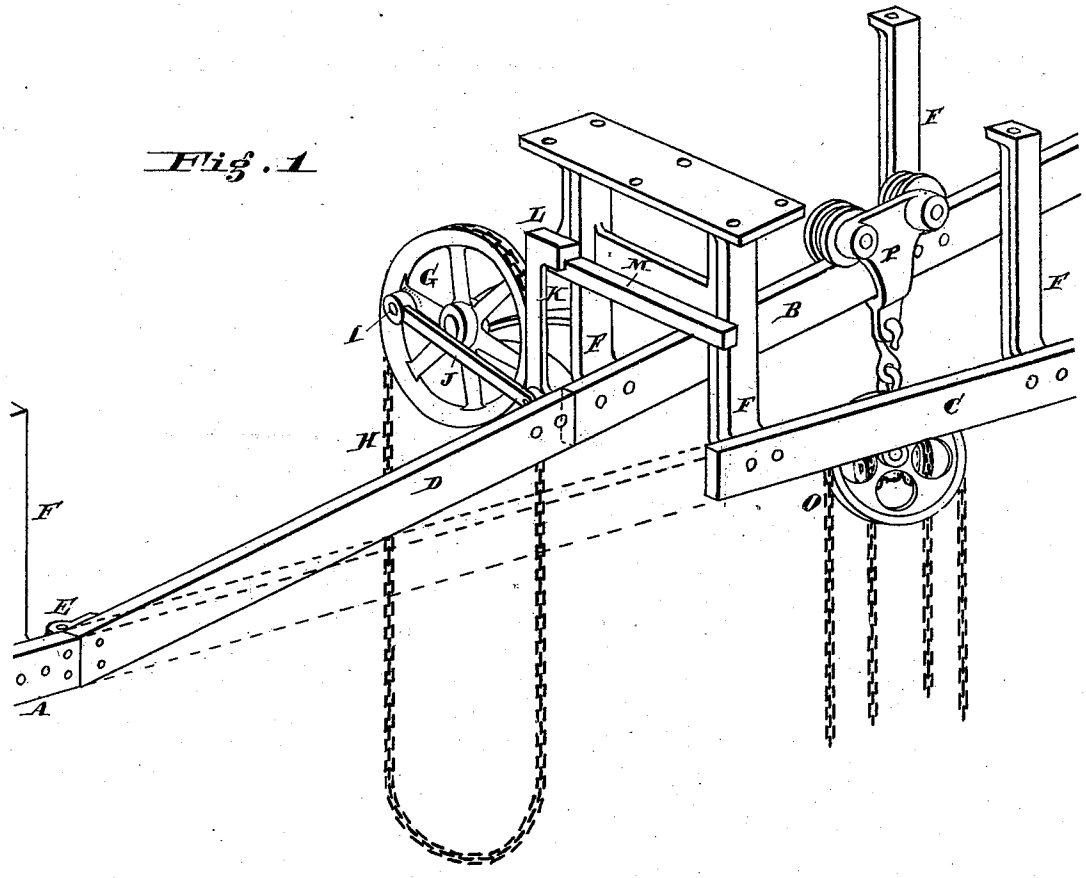
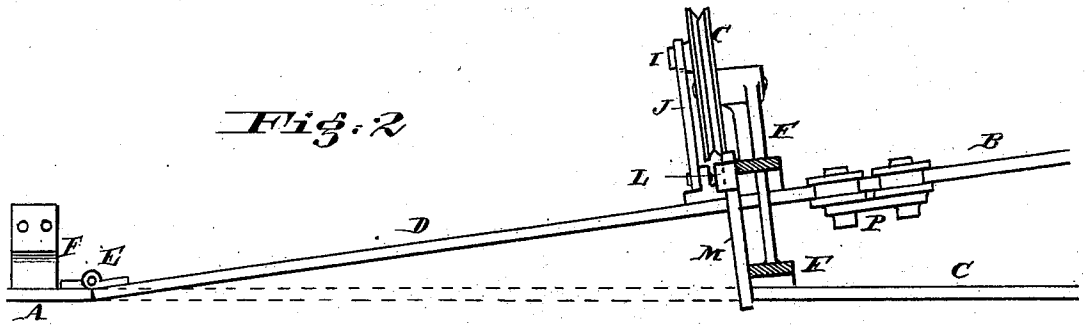


Fig. 2.



Attest

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By his atty

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UNITED STATES PATENT OFFICE.

EDWIN HARRINGTON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO EDWIN HARRINGTON & SON, OF SAME PLACE.

HOISTING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 272,431, dated February 20, 1883.

Application filed December 14, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWIN HARRINGTON, of the city and county of Philadelphia, and State of Pennsylvania, have invented an Improvement in Hoisting-Machines, of which the following is a specification.

My invention has reference to overhead-tramway switches adapted for use with the travelers of hoisting-machines; and it consists in the arrangement of a main track provided with a hinged switch, combined with means to move said switch and two or more branch tracks, and in details of construction, all of which are fully set forth in the following specification and shown in the accompanying drawings, which form part thereof.

Heretofore it has been customary to make continuous tracks for hoisting-machines of this class, and to enable the hoist to be moved from one place and located at any other particular place it was necessary to have much more track than I require, and consequently required much more labor to move the hoist, as it had to travel over considerably more track, and it was impossible for two travelers and their hoists to pass each other.

My object is to reduce the cost of the track necessary to allow the hoist to be moved from place to place in the room, to reduce the labor required to travel said hoist about said room, to reduce the time for such operation, and to enable a number of hoists to be used on the same system of track.

In the drawings, Figure 1 is a perspective view of my improved overhead-tramway switch, and Fig. 2 is a plan view of same.

A is the main track. B C are branch tracks, and D is the switch, which is hinged to the main track A at E.

F are supports or brackets for holding the track.

The ends of tracks B and C next to the switch are supported by a double bracket, which is provided with a guideway or rail, M, and carries pivoted to it a chain-wheel, G, over which a chain, H, passes. This chain-wheel is provided with a crank-pin, I, to which is pivoted a bar, J, the other end of which is connected to the free or vibrating end of the switch D, which end is furnished with an upright, K, having an extension, L, which runs upon the rail or guideway M, to support said free end of the switch.

P is the traveler, which is provided with grooved wheels to run upon the tracks, and O is the hoist. By revolving wheel G by hand-chain H the switch may be shifted so as to make tracks A B or A C continuous.

It is evident that any number of branch tracks may be used; that double tracks may be substituted for the single tracks, they being changed to suit the hoist and its traveler.

I do not confine myself to the construction shown, as it may be modified in various ways without departing from my invention.

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

1. In hoisting apparatus, a main overhead track or tramway, in combination with two or more branch tracks, a switch, and a traveler for the hoist adapted to run upon said track, substantially as and for the purpose specified.

2. In hoisting apparatus, a main overhead track or tramway, in combination with two or more branch tracks, a switch between said main and branch tracks, means to move said switch, and a traveler of the hoist, adapted to run upon said tracks, substantially as and for the purpose specified.

3. In hoisting apparatus, a main overhead track or tramway, in combination with a switch hinged to said main track, two or more branch tracks, means to move said switch, and a traveler of the hoist, adapted to run upon said track, substantially as and for the purpose specified.

4. In hoisting apparatus, a main overhead track or tramway, in combination with a switch hinged to said main track, means to move said switch, a guide and support for the free or vibrating end of said switch, two or more branch tracks, and a hoist-traveler adapted to run upon said tracks, substantially as and for the purpose specified.

5. The combination of main track A, branch

tracks B C, switch D, chain-wheel G, having crank-pin I, chain H, rod J, and traveler P, substantially as set forth.

6. The combination of main track A, branch tracks B C, switch D, hinged at E to the main track, chain-wheel G, having crank-pin I, chain H, rod J, upright K, having extension L, supports or brackets F, and guideway M, substantially as and for the purpose specified.

In testimony of which invention I have hereunto set my hand.

EDWIN HARRINGTON.

Witnesses:
R. M. HUNTER,
W. MCWADE.