

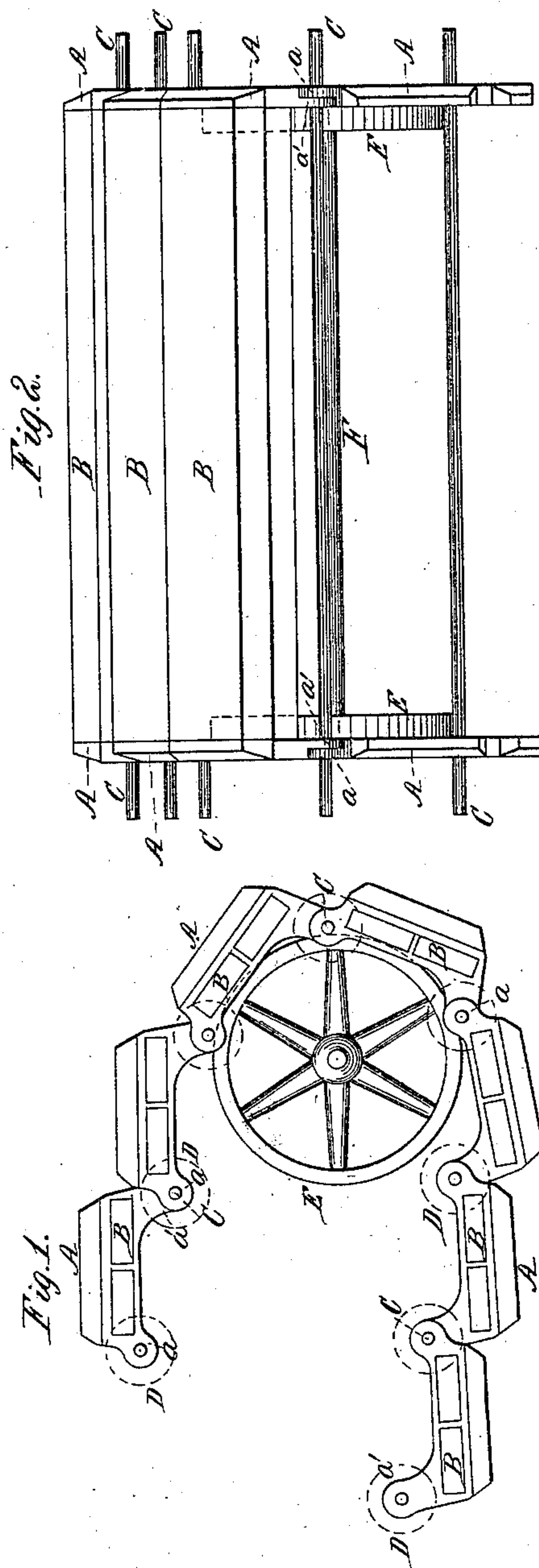
(No Model.)

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HORSE POWER TREAD.

No. 285,129.

Patented Sept. 18, 1883.



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UNITED STATES PATENT OFFICE.

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HORSE-POWER TREAD.

SPECIFICATION forming part of Letters Patent No. 285,129, dated September 18, 1883.

Application filed August 10, 1883. (No model.)

To all whom it may concern:

Be it known that we, DAVID S. HEEBNER, ISAAC D. HEEBNER, and WILLIAM D. HEEBNER, of Lansdale, Montgomery county, Pennsylvania, have invented certain new and useful Improvements in Horse-Power Treads; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, and to the figures and letters of reference marked thereon.

This invention relates particularly to that class of horse-power treads known as "level treads;" and it consists in certain novel improvements, which we will first describe, and then point out particularly in the claims at the end of the specification.

Referring to the accompanying drawings, Figure 1 represents a side elevation of a portion of the horse-power tread embodying our improvements. Fig. 2 is a rear view of the same, one of the lags being removed.

Similar letters of reference in both figures represent the same parts.

A A represent the links, B B the lags or tread-boards, C C the connecting-rods, and D D the track-wheels, of the endless platform. The lags, it will be observed, are tenoned into the links at opposite sides of the platform, and the links have short depending lugs, *a*, at one end, and longer depending lugs, *a'*, at the other end, both said lugs being perforated to receive the connecting cross-rods, and the short lugs of one pair of links being connected to the long lugs of the next adjacent pair of links, as shown in Fig. 1, the effect being to hold the lugs in horizontal position, and thus afford level footholds for the horses. The outer ends of the connecting-rods bear the track-wheels.

The parts thus far described are old, and no separate claim to them is made herein.

Ordinarily the endless belt is made to pass around a revolving reel at one or both ends of the power, such reel or reels being provided with projecting lugs or V-shaped or U-shaped

recesses, with which the connecting cross-rods positively engage. In the present invention, however, the supporting-reel consists of two plain wheels or pulleys, E E, mounted upon a cross-shaft, F, and the endless platform is held thereto by the grip of the cross-rods C C upon the peripheries of said pulleys, or by the contact of the said rods and the central portion of the lags, or either, as shown in the drawings. This construction is simpler and cheaper than the old construction before referred to, and yet is equally as effective, the lags, rods, links, and track-wheels being lifted and carried around as well as when the rods are grasped by projections on the reels. Reels constructed in accordance with this invention may be located at one or both ends of the endless platform, and can be used where the links are plain or cogged.

The wheels or pulleys of the reels may be mounted loosely or fixedly upon the shaft, as preferred.

Having thus described our invention, we claim as new—

1. In a level-tread horse-power, the combination of the lag-carrying links, made higher at one end than at the other, and the connecting-rods, with a carrying or supporting reel consisting of plain-faced wheels or pulleys mounted upon a shaft and adapted to be gripped by the connecting-rods, substantially as described.

2. The combination of the links, made higher at one end than at the other, the lags, and the connecting-rods, with a carrying or supporting reel consisting of plain-faced wheels or pulleys mounted upon a shaft, whereby both the connecting-rods and the centers of the lags are caused to bear upon said plain-faced wheels, substantially as described.

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