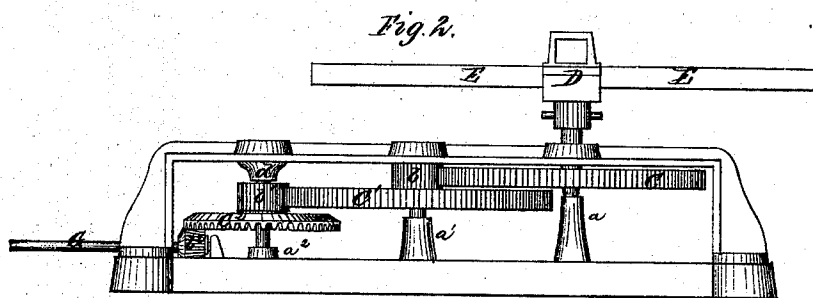
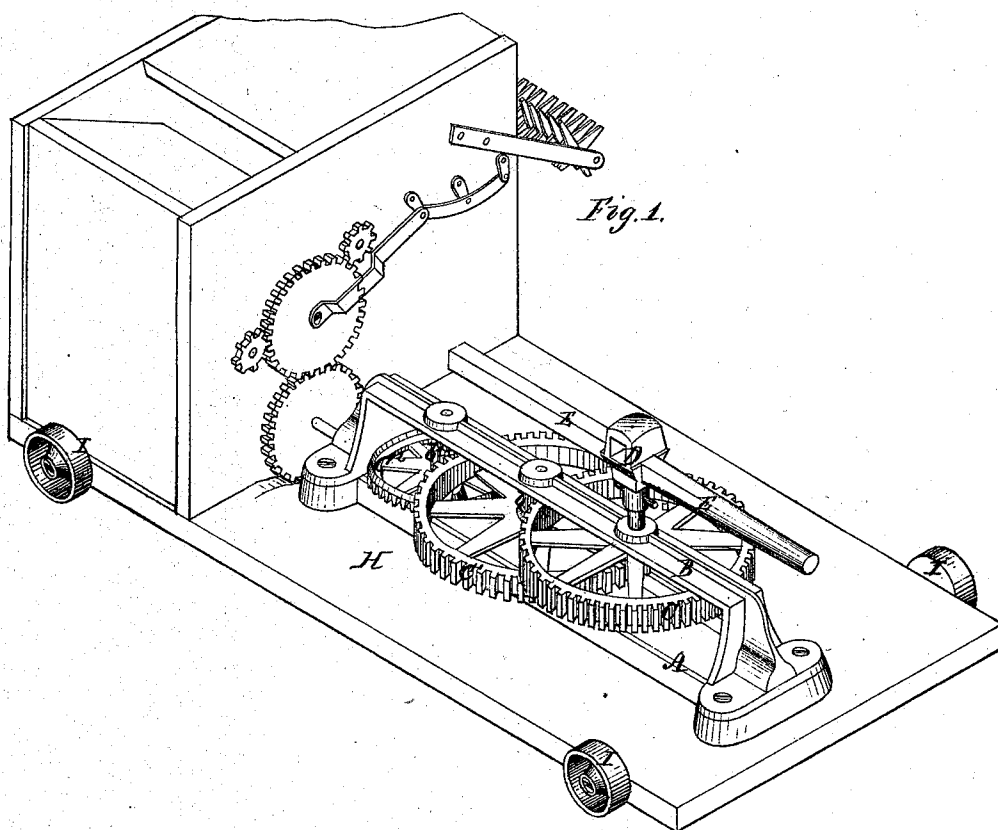


J. W. Huntton,

Horse Power.

No. 112,251.

Patented Feb. 28, 1871.



Witnesses
Jas. A. Gail.
Jas. W. White

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JAMES W. HUNTOON, OF ST. LOUIS, MISSOURI.

Letters Patent No. 112,251, dated February 28, 1871.

IMPROVEMENT IN HORSE-POWERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES W. HUNTOON, of St. Louis, in the county of St. Louis and State of Missouri, have invented certain new and useful Improvements in Horse-Powers; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon forming part of this specification.

The nature of my invention consists in the construction and arrangement of a horse-power mounted upon a platform on wheels, and in the combination of a horse-power with the machine to be operated by the same, when both are mounted upon a platform on wheels, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a perspective view of a horse-power and a thrashing-machine mounted upon the same platform, which is provided with wheels, and

Figure 2 is a side elevation of the horse-power.

The frame of my horse-power is composed of a bed-piece, A, and a top piece, B, running parallel with the bed and a suitable distance above the same.

This top piece has its ends turned downward at right angles and suitably secured to the ends of the bed-piece.

On the upper side of the bed A are three conical standards, a a^1 a^2 , at about equal distances apart, as seen in fig. 2.

These standards are all in their upper ends provided with small holes or shallow circular recesses, and are of unequal height, a being the highest, a^1 the next, and a^2 the lowest.

In the upper end of the highest standard a is inserted the lower journal of a large horizontal cog-wheel, C, the upper journal of which passes through a hole in the top piece B, and has above the same a socket, D, secured to it, through which socket the sweep E passes.

The cog-wheel C gears with a pinion, b , placed on the upper journal of another large horizontal cog-wheel, C^1 , said upper journal having its bearing in the top piece B, while the lower journal of this cog-wheel C^1 is placed in the upper end of the middle standard a^1 .

The cog-wheel C^1 gears with a pinion, b^1 , placed on the upper journal of a third wheel, C^2 , which is provided with cogs on its under side, as shown.

The upper journal of this cog-wheel C^2 has its bearing in a socket, d , formed on the under side of the top piece B, while the lower journal has its bearing in the third or lowest standard a^2 .

The cog-wheel C^2 gears with a pinion, b^2 , upon the inner end of a horizontal shaft, G, the other end of which is, by suitable gearing, connected with the machine to be run by the horse-power.

The horse-power and the machine, thrashing or other machine, are placed and secured on a platform, H, which is mounted upon low wheels I I, as shown in fig. 1.

Although I have more particularly intended this combination to be a horse-power and a thrashing-machine, still it is evident that any machine to be operated by a horse-power may be substituted.

This arrangement has great advantages in being more easily moved and occupying less room, and always in working position, thereby saving much trouble always attendant upon the horse-power and thrashing-machine being separate.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The bed-piece A, provided with standards a a^1 a^2 , combined with top piece B, cog-wheels C C^1 C^2 , pinions b b^1 b^2 , and shaft G, all arranged in the manner shown and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of December, 1870.

JAMES W. HUNTOON.

Witnesses:

T. H. ALEXANDER,
JAMES V. WHITE.