J. W. Huntoon,

Horse Power.

No. 107,379. Patented Sept. 13. 1870.

Fig. 1.

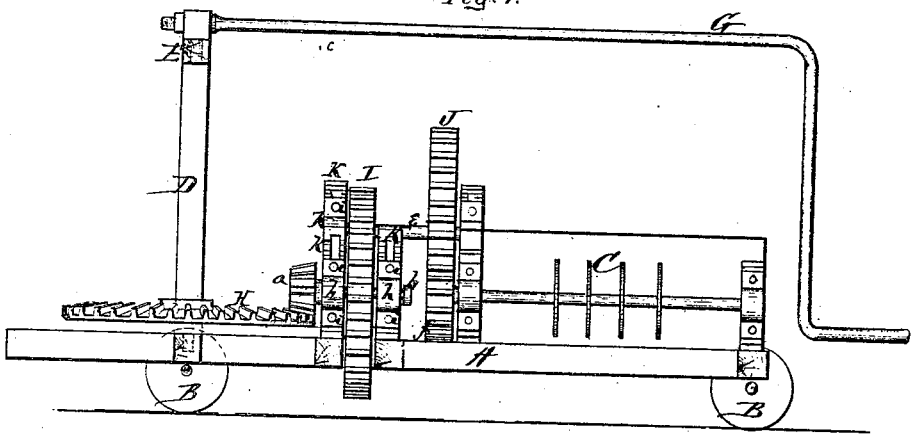
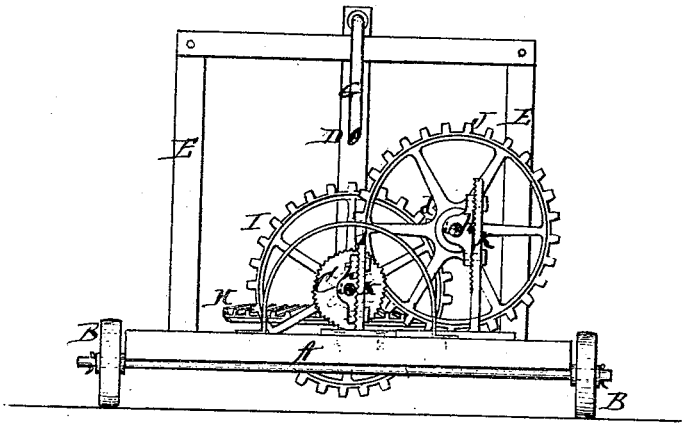


Fig. 2.



Witnesses:

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per

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United States Patent Office.

JAMES W. HUNTOON, OF MONTGOMERY, ALABAMA.

Letters Patent No. 107,379, *dated September* 13, 1870.

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 Montgomery, in the county of Montgomery and State of Alabama, have invented certain new and useful Improvements in Horse-Powers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "horse-power," and its combination, upon one frame or truck, with a gin-mill, as will be hereinafter 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 drawing, in which—

Figure 1 is a side view, and

Figure 2, an end view of my machine.

A represents a frame or truck mounted upon four wheels, B B, and having at one end a gin-stand, C, placed upon it.

At the other end of the frame the upright wooden king-post D has its lower bearing, while the upper bearing of said post may be in an upright frame, E, erected on the bed-frame A, if it is intended to have the machine movable. But if the machine is to be stationary in a building, this upper bearing may be in the timbers of the floor to the gin-house, or any building under which it is used.

G is the sweep attached to the upper end of the post D.

The main wheel H is attached at the lower end of the king-post D. This position of the main wheel has several advantages: a more firm and steady action, less liability of getting out of order, and less expense.

This main wheel gears with a pinion, *a*, on the shaft *b*, which shaft carries a large cog-wheel, I.

This wheel gears with another pinion, *d*, upon a shaft, *e*, which also carries a large cog-wheel, J.

This last cog-wheel gears with a pinion, *f*, upon the shaft of the cotton-gin, and gives it a rapid rotary motion.

The shafts *b* and *e* have their bearings in journal-boxes *h h*, which are adjusted upon standards K K in the following manner:

The standards K K are firmly secured to the bed-frame A, and are slotted vertically at their upper ends, as shown in fig. 1. On one side these standards are provided with ratchet-teeth, as may be seen in fig. 2.

The base of each of the journal boxes *h h* is formed in the shape of a bar, provided with ratchet-teeth on its inner side, and then secured to the toothed standard by means of bolts, *i i*, and nuts, the bolts passing through the slotted portions of the standards.

By these means the bearings for the shafts *b* and *e* may be firmly adjusted at any height desired.

Having thus fully described my invention,

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

The slotted and toothed standards K K, in combination with toothed journal-boxes *h h*, and bolts *i i*, when used in connection with a horse-power, substantially as described.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

JAMES W. HUNTOON.

Witnesses:

P. A. SOMERS,

GEO. CAVAS.