

James M. Albertson's

Improvement in.

Horse Powers.

No. 118,893.

Patented Sep. 12, 1871.

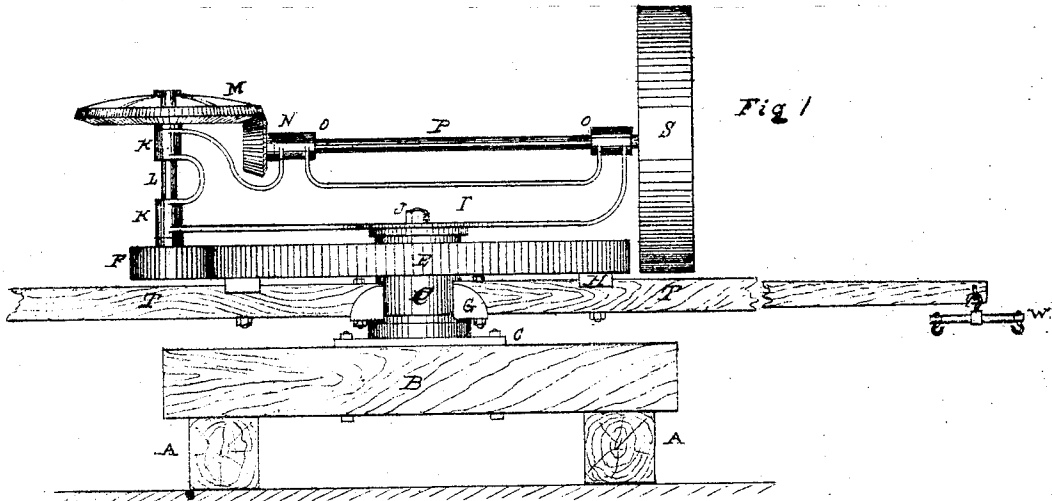


Fig 1

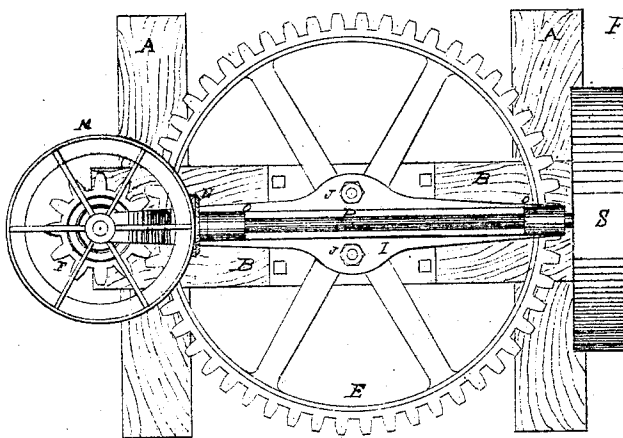


Fig 2

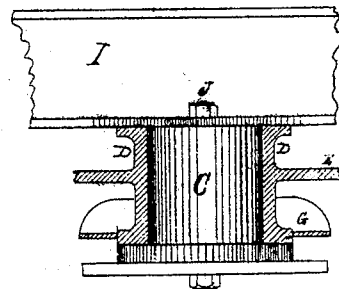


Fig 3

Boleyn & Jeffery
N & Richards

Witnesses

James M. Albertson

Inventor

[63.]

James M Albertson's

2 Sheets--Sheet 2.

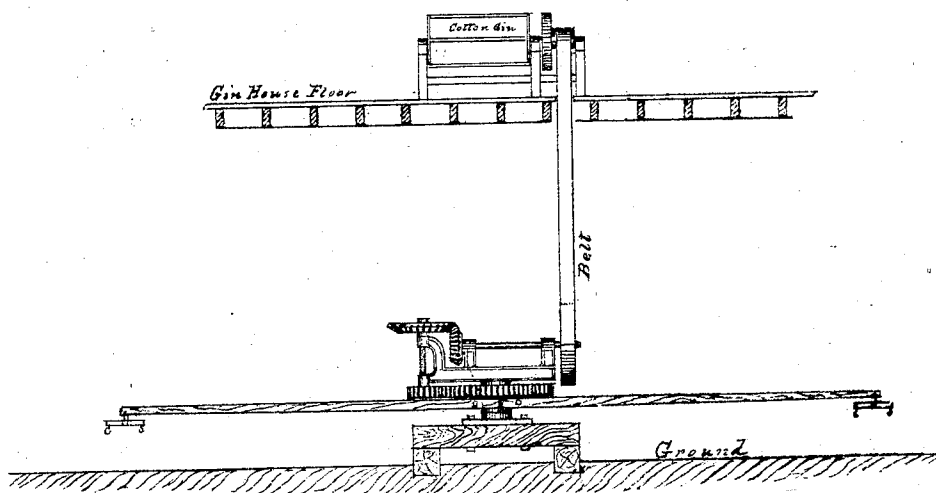
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Fig 4



J M Albertson

C. A. Bassett

J. C. Albertson

Witnesses

Inventor

UNITED STATES PATENT OFFICE.

JAMES M. ALBERTSON, OF NEW LONDON, CONNECTICUT.

IMPROVEMENT IN HORSE-POWERS.

Specification forming part of Letters Patent No. 118,893, dated September 12, 1871.

To all whom it may concern:

Be it known that I, JAMES M. ALBERTSON, of the town and county of New London, State of Connecticut, have invented certain Improvements in Horse-Power Machines, of which the following is a specification:

This invention relates to improvements in that class of horse-powers in which the first or lever-wheel is revolved around a pedestal which supports the other running parts of the machine; and consists of an improved combination of parts, whereby the machine is made simpler in its construction and more convenient for its purpose—viz., that of a motive power to be placed on the ground-floor of the building and communicating with machinery placed on the floor above, and thereby relieving the building or its floors from supporting any portion of the horse-power machinery, by a belt direct from the machine.

Figure 1 is a side elevation of a machine embodying my invention. Fig. 2 is a top view, showing the arrangement of parts. Fig. 3 is a detail of same. Fig. 4 is a view of the horse-power as placed in the building.

Like letters refer to like parts.

A and B are foundation-timbers, on which the machine rests. C is a pedestal, formed with a base-plate or flange, supporting a cylindrical body or shaft, around which the wheel E, pro-

vided with levers T T, revolves. To the top of this pedestal C is secured the beam I by bolts J. This beam is provided with suitable journals for the reception and revolution of the vertical shaft L and horizontal shaft P, to which shafts are attached the bevel-gears M and N. To the bottom of the shaft L is attached a pinion, F, gearing with wheel E, and at the end of the shaft P is attached the belt-pulley S. It will be seen that the revolution of the levers T T will communicate their motion, by means of the intermediate gearing, to the belt-pulley S.

I do not claim as my invention any of the parts of the above when used separately or in any manner not embodying the arrangement shown and described. I do not claim as my invention the use of the combination of gear-wheels shown when used independent of the pedestal C.

I claim—

The pedestal C forming a vertical shaft or journal for the lever-wheel E and supporting the beam I, in combination with the pinion F, shaft L, bevel-wheels M and N, and shaft P attached to the beam I, all arranged and operating substantially as herein set forth.

JAS. M. ALBERTSON.

Witnesses:

COLEBY C. JEFFERY,
N. G. RICHARDS.