

J. W. JACKSON.
Horse-Powers.

No. 152,116.

Patented June 16, 1874.

Fig 1.

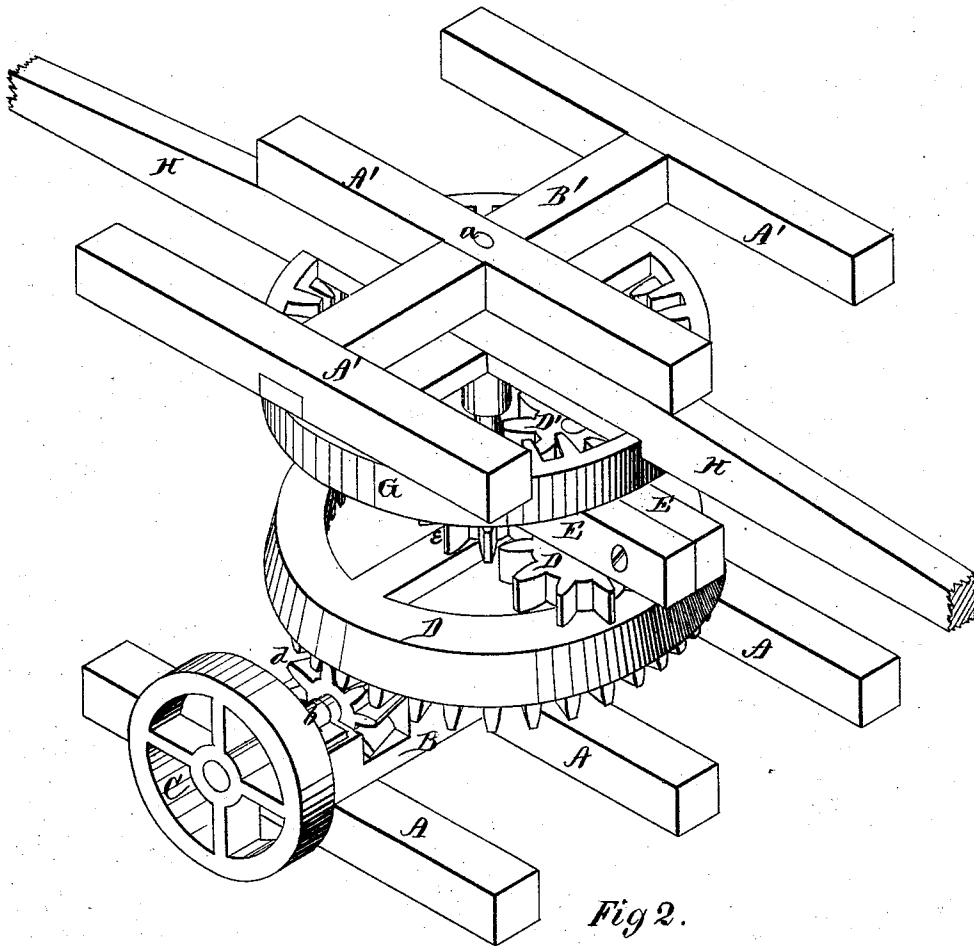
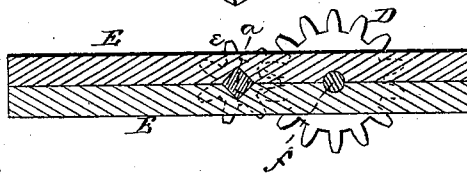


Fig 2.



WITNESSES.

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JESSE W. JACKSON, OF AMERICUS, GEORGIA.

IMPROVEMENT IN HORSE-POWERS.

Specification forming part of Letters Patent No. **152,116**, dated June 16, 1874; application filed May 16, 1874.

To all whom it may concern:

Be it known that I, JESSE W. JACKSON, of Americus, in the county of Sumter and in the State of Georgia, have invented certain new and useful Improvements in Horse-Power; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a horse-power, 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 drawing, in which—

Figure 1 is a perspective view of my horse-power, and Fig. 2 is a detached view of a part thereof.

A A represent the sills of my machine, connected by means of a bed-piece, B, on top, from the center of which rises a vertical shaft, *a*, the upper end of this shaft being securely fastened to a beam, B', into which are let other sills A' A', so that the horse-power can be turned either side up, as desired. On the bed-piece B, in suitable boxes or bearings, is placed a shaft, *b*, at one end of the bed-piece. On the outer end of this shaft is a band-wheel, *c*, and near the inner end of the shaft is a pinion, *d*, running in a recess on the bed-piece B. This pinion *d* gears with a large cog-wheel, C,

placed loosely on the shaft *b*, and provided on the upper end of its hub with a pinion, *e*. This pinion *e* gears with a cog-wheel, D, attached on the lower end of a short vertical shaft, *f*, which is placed, and revolves, in two bars, E E, clamped on the central shaft *a*. On the upper end of the short shaft *f* is secured a cog-wheel, D', which gears with, and receives its motion from, interior cogs on a wheel, G, placed loosely on the shaft immediately below the beam B' and sills A'. To this wheel G the sweeps H H are firmly secured.

This horse-power is simple in construction, easily operated, not liable to get out of order, and can be reversed so as to bring the band-wheel *c* either at the top or bottom, thus accommodating the horse-power both to cotton-gins and threshing-machines.

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

The combination of the sills A and A', beams B and B', shaft *a*, cog-wheels E G turning on the shaft, the cog-wheels D D' on the ends of the shaft *f* in the clamp-bars E E, the sweeps H H, and shaft *b*, with band-wheel *c*, and pinion *d*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 10th day of April, 1874.

JESSE W. JACKSON. [L. S.]

Attest:

JOHN WINDSOR,
M. SPEER.