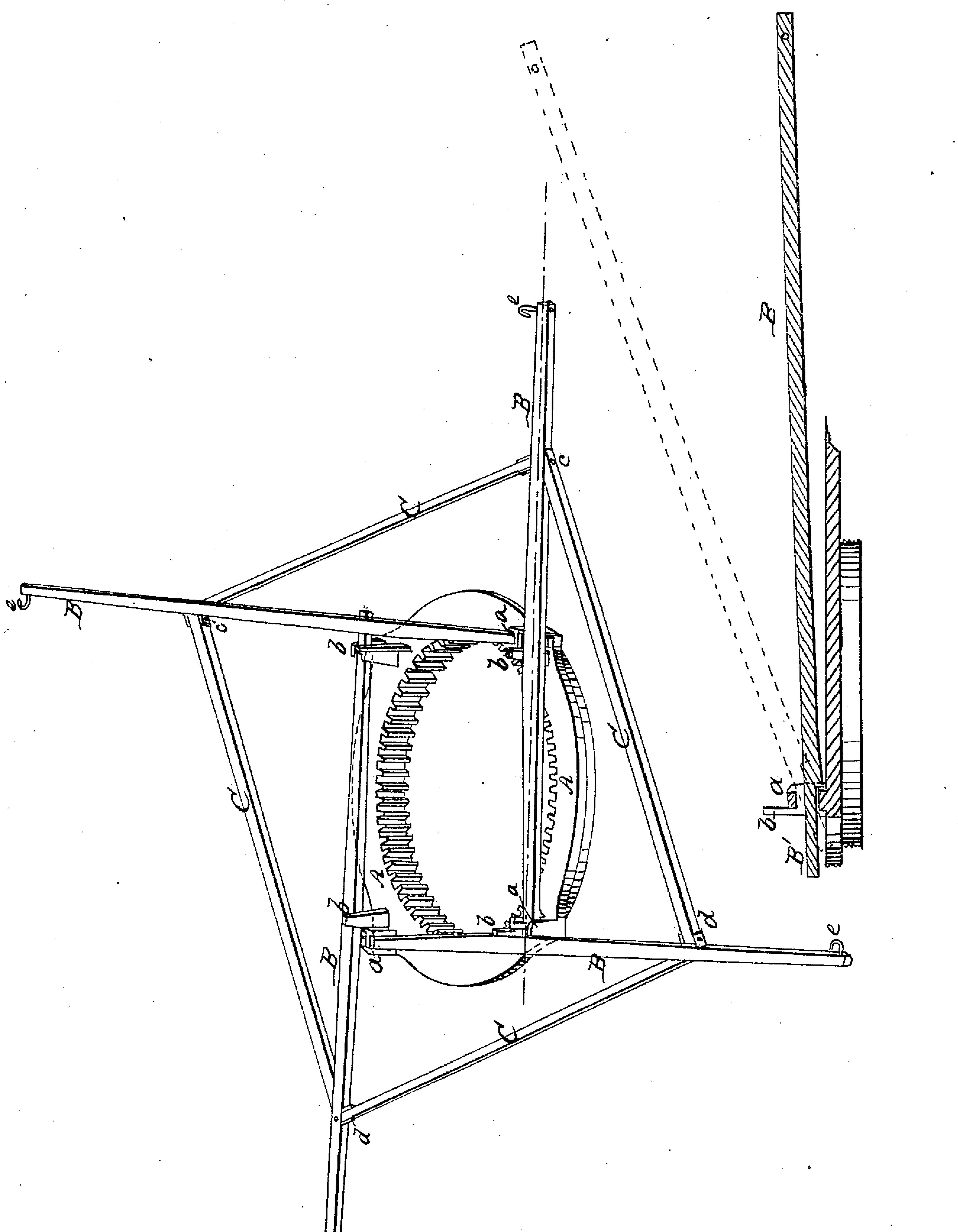
W. Pierpont,

Horse Power.

No. 37,178. Patented Dec. 16, 1862.



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UNITED STATES PATENT OFFICE.

WILLIAM PIERPONT, OF SALEM, NEW JERSEY.

IMPROVEMENT IN HORSE-POWERS.

Specification forming part of Letters Patent No. **37,178**, dated December 16, 1862.

To all whom it may concern:

Be it known that I, WILLIAM PIERPONT, of Salem, in the county of Salem and State of New Jersey, 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 of the same, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a perspective view of the main wheel of a horse-power with my improvements applied thereto, and Fig. 2 represents a section of a part only given to show more fully the yielding nature of the draft-levers.

In the drawings, A represents the main wheel, having socket *a* cast on its upper side to receive the rear ends of the draft-levers B B B B. On the inner side of the socket-pieces *a* are cast lever-supporting projections *b*. The rear ends of the draft-levers B are fitted to work loosely in the socket-pieces *a*, as indicated in the drawings, the rear end of one lever projecting sufficiently far through its socket-piece to the lever back of it. The levers B are connected together by braces C, the front ends of the latter being fastened by loose bolts *c* and the rear ends by hinges or pivots *d*.

By the above mode of construction, when the horses are attached to the ends of the draft-levers B by the hooks *e* and the machine is in operation, the levers B can rise and fall independent of each other and the main wheel and yet not be liable to break, owing to the mode of bracing adopted. Again, if it is desired to elevate one lever with its braces for any purpose, it can be done without removing a bolt. (See Fig. 2.)

The power being applied entirely to the periphery of the wheel in connection with the free and independent action of the levers enables the machine to be operated with much less friction and strain on the gearing and frame. The parts are easily detached and as easily connected together again, which renders it very convenient machine for common use aside from the advantages above alluded to.

Having described my improved horse-power, what I claim therein as new, and desire to secure by Letters Patent, is—

1. The combination of the socket-pieces *a* and lever-supporting pieces *b* with the main wheel A, substantially as and for the purposes set forth.

2. The combination of the draft-levers B with the braces C and main wheel A, substantially as set forth.

WM. PIERPONT.

Witnesses:

CHAS. L. PIERPONT,
ROBERT GWYNNE.