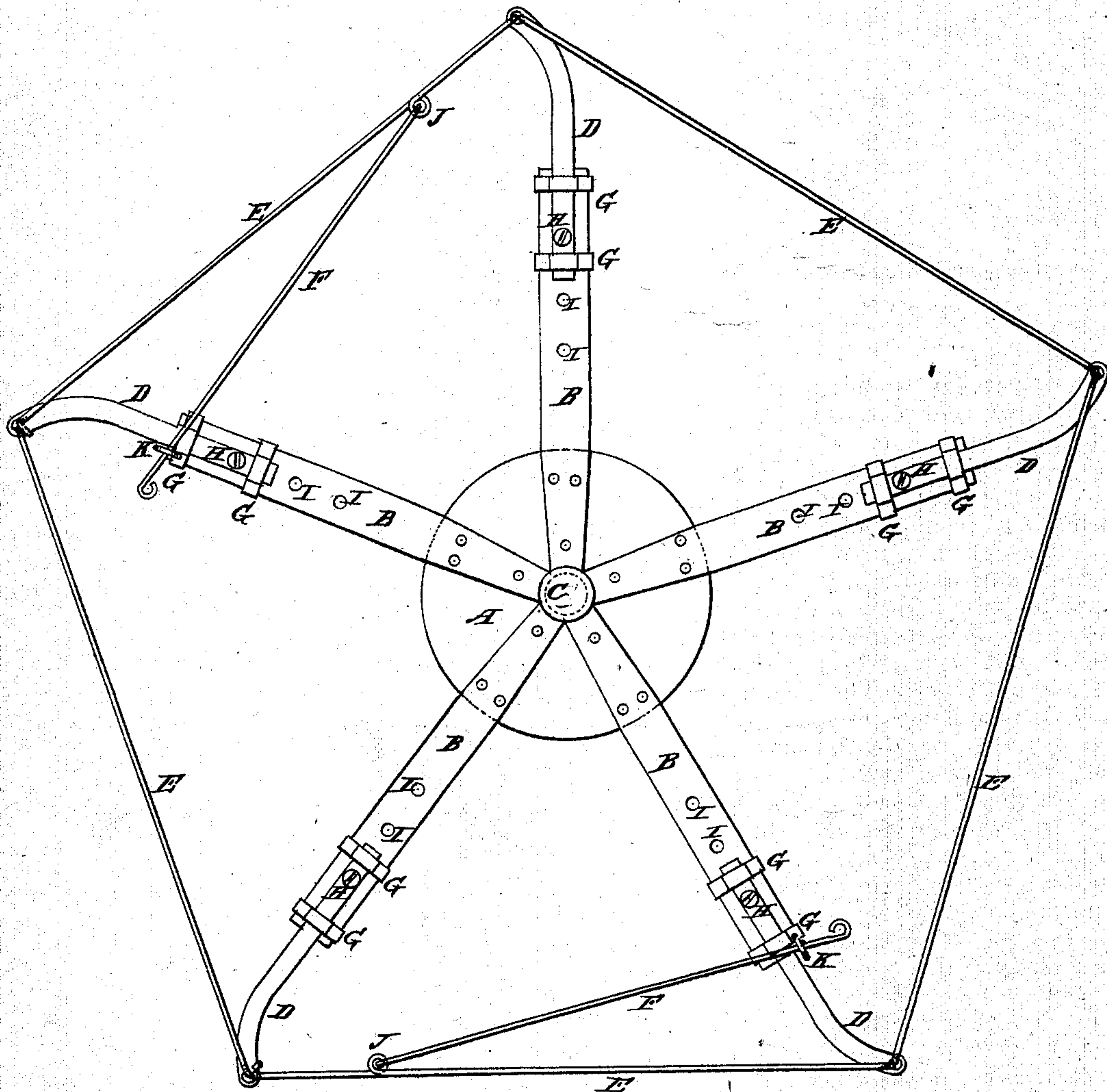


**J. MILBOURN.**  
**Horse-Powers.**

No. 139,725.

Patented June 10, 1873.



**Witnesses:**

*P. C. Gietrich.*  
*Arduini*

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Per *Munn & Co.*  
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# UNITED STATES PATENT OFFICE

JOSEPH MILBOURN, OF MILLPORT, OHIO.

## IMPROVEMENT IN HORSE-POWERS.

Specification forming part of Letters Patent No. **139,725**, dated June 10, 1873; application filed April 12, 1873.

*To all whom it may concern:*

Be it known that I, JOSEPH MILBOURN, of Millport, in the county of Columbiana and State of Ohio, have invented a new and useful Improvement in Horse-Powers, of which the following is a specification:

The object of this invention is to improve and render more useful the horse-powers which are used for thrashing grain, and other purposes; and it consists in adjustable extension-levers, in combination with the old or ordinary levers, and in stay-rods which connect the ends of the extension-levers, and in draft-rods attached to the stay-rods, the arrangement being as hereinafter described.

The drawing represents a plan view of a horse-power constructed according to my invention.

Similar letters of reference indicate corresponding parts.

A is the central cap to which the ordinary levers B are attached. C is the central shaft. D represents the extension-levers. E are the outside stay-rods, and F the draft-rods. The extension-levers are attached to the ends of the levers B by means of bands G G and a screw or bolt, H, and there are bolt-holes I through the levers B, by means of which the extension-levers may be adjusted differently, or so as to extend more or less from the old

levers. The outside stay-rods E are attached to the extension-levers by means of holes in the ends of those levers. The draft-rods F are attached to eyes in the stay-rods, as seen at J, and cross the extension-lever near the end of the levers B, as seen in the drawing. K is a staple in the end of the lever B, through which the draft-rod passes. As seen in the drawing, there are but two of these draft-rods, but there may be a draft-rod for each lever, if desired.

By this arrangement the draft is applied to the ends of the extension-levers, which results in a great saving of power.

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

1. In combination with the levers B, the extension-levers D, stay-rods E, and draft-rods F, arranged substantially as and for the purposes described.

2. The eye J, staple K, bands G G, and bolt H, in combination with the lever B, the extension-lever D, and draft-rods F, as and for the purposes described.

JOSEPH MILBOURN.

Witnesses:

JOEL WINDER,  
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