

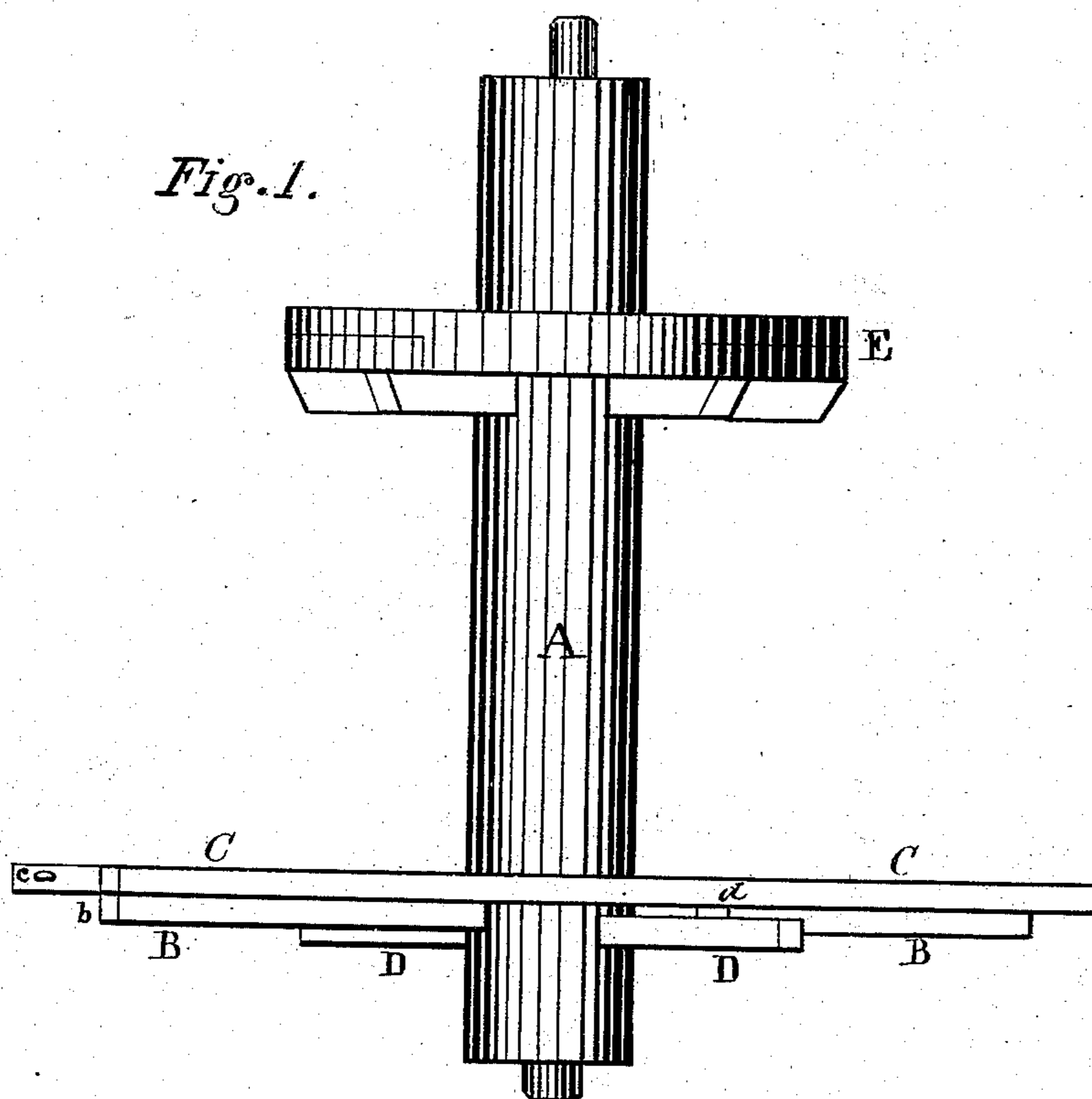
(No Model.)

W. T. G. COBB.  
Horse-Power Equalizer.

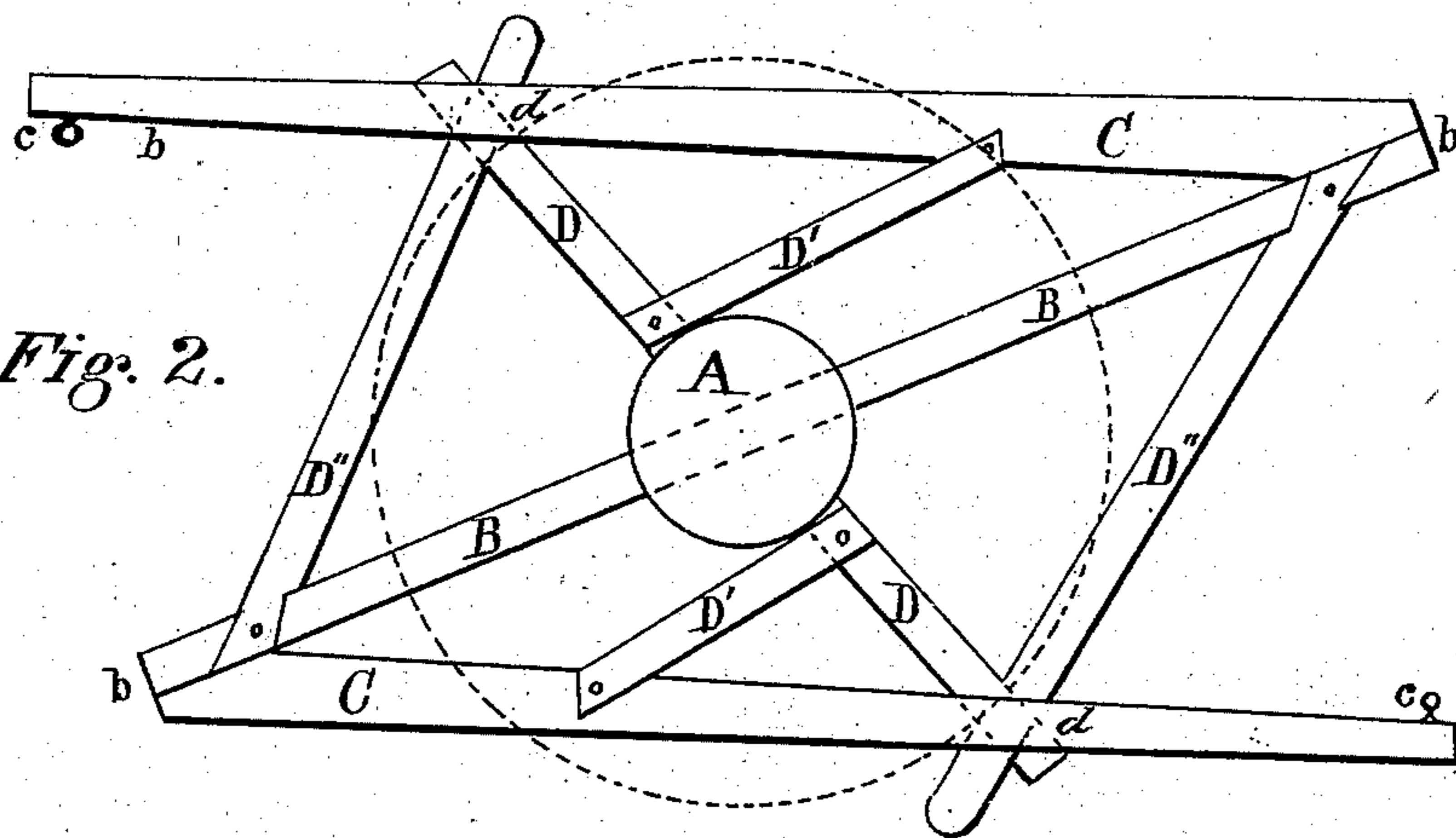
No. 228,173.

Patented June 1, 1880.

*Fig. 1.*



*Fig. 2.*



Attest  
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# UNITED STATES PATENT OFFICE.

WALTER THOMAS GREEN COBB, OF MIDWAY, ALABAMA.

## HORSE-POWER EQUALIZER.

SPECIFICATION forming part of Letters Patent No. 228,173, dated June 1, 1880.

Application filed April 13, 1880. (No model.)

*To all whom it may concern :*

Be it known that I, WALTER THOMAS GREEN COBB, a citizen of Midway, residing at Midway, in the county of Bullock and State of Alabama, have invented certain new and useful Improvements in Horse-Power Equalizers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to horse-power equalizers; and it consists in the manner of combining the levers which pass through the vertical shaft with levers of greater length, and yet thereby not increasing the diameter of the circle around which the animal has to travel, which will all be hereinafter more fully described.

In the drawings, Figure 1 is an elevation, and Fig. 2 is a plan view, of my invention.

A represents the usual vertical shaft, through which is extended a beam or lever, B, of the usual length—say about fifteen to eighteen feet on each side of the shaft A.

C C are two levers of the same length of

the beam or lever B, or double that of each arm of B. These levers C C are fastened to the outer ends of the lever B, and are braced to the cross levers or beams D D by the struts D D' D'' in any suitable manner. The free ends of *c* rest on the struts D'' at *d d*.

This machine may be made of any suitable material, as wood, iron, or other metal, or of wood and metal combined, and any power, either animal or steam or other motor, may be applied to the end of the long levers C C.

E is the driving-pulley.

In the case of horses or mules, they will be hitched in the usual manner to the ends *c c*, and in walking around the circle the distance traveled is no greater than if attached to the short arms of lever B at *b b*.

I claim—

The combination of the long levers C, attached to the outer ends of the lever B, and braced by the strut D' to the cross-levers D D, substantially as and for the purposes described.

In testimony whereof I affix my signature in presence of two witnesses.

WALTER THOMAS GREEN COBB.

Witnesses:

A. B. SHEHEE,  
JOHN MILNER.