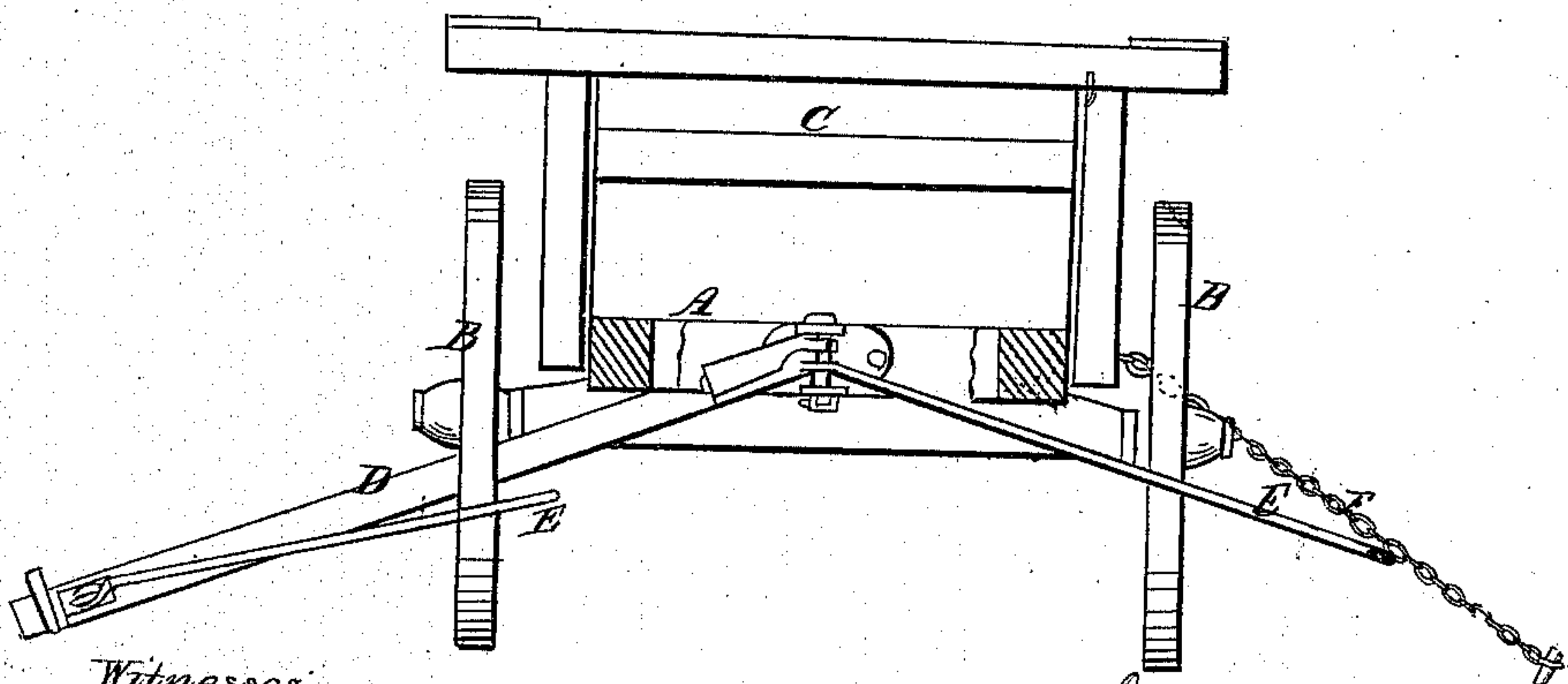
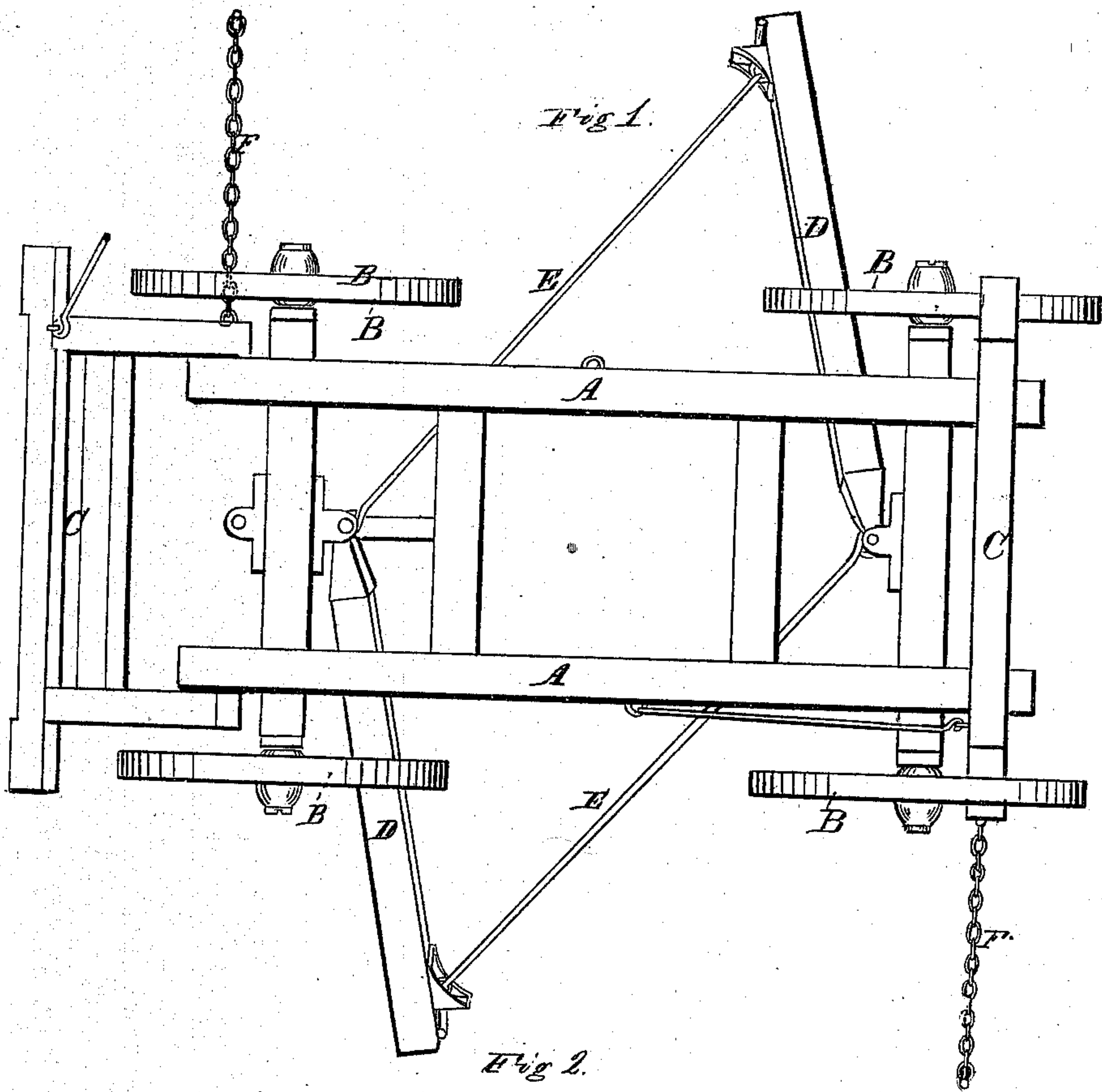


J. S. Whiton,

Horse Power.

No. 95,108.

Patented Sept. 21. 1869.



Witnesses

Harry King.
C. L. Owen.

Inventor.

James S. Whiton
Alexander Massey
Attys

United States Patent Office.

JAMES S. UPTON, OF BATTLE CREEK, MICHIGAN.

Letters Patent No. 95,168, dated September 21, 1869.

IMPROVEMENT IN HORSE-POWER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES S. UPTON, of Battle Creek, in the county of Calhoun, and in the State of Michigan, have invented certain new and useful Improvements in Horse-Powers; 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 bed for horse-powers, and in the mode of staking and fastening the same when mounted on four wheels.

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 drawings, in which—

Figure 1 is a plan view, and

Figure 2, a vertical cross-section.

A represents the wooden bed to the horse-power, mounted on four wheels, B B.

C C are two frames, pivoted, one at each end of the bed A, and serve, while standing up, as shown in fig. 2, to make a rack or structure for the purpose of carrying levers, tumbling-rods, stackers, &c.

While threshing, these frames are to be turned down and brought up close to the wheels, both fore and hind wheels, and while so adjusted, prevent the bed A or horse-power from rocking on the bolster, making the power set firmly on the ground.

D D are wooden levers or braces, each being linked at its outer end to an iron brace, E, forming one brace, which are joined together in the centre of the frame, as plainly shown in fig. 1, so that the linked ends of the braces E and levers D extend, one on each side of the power, to be staked to the ground.

From the opposite end of the bed A, on both sides, extends a chain, F, which is also staked to the ground when necessary.

The advantage of coupling at the centre of the frame is that it prevents the twisting of the frame, while, if the coupling should be on the outside of the frame, it would be badly strained and twisted. This is wholly prevented by going to the centre of the frame in combination with the frames C C.

A horse-power bed not mounted on wheels may, of course, be staked and fastened in the same manner.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the bed A, swinging frames C C, levers D D, and braces E E, all constructed, arranged, and combined substantially in the manner and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 20th day of May, 1869.

JAMES S. UPTON.

Witnesses:

H. M. STRONG,
PARLEY UPTON.