

A. FULLER.  
Hay Loader.

No. 56,924.

Patented Aug. 7, 1866.

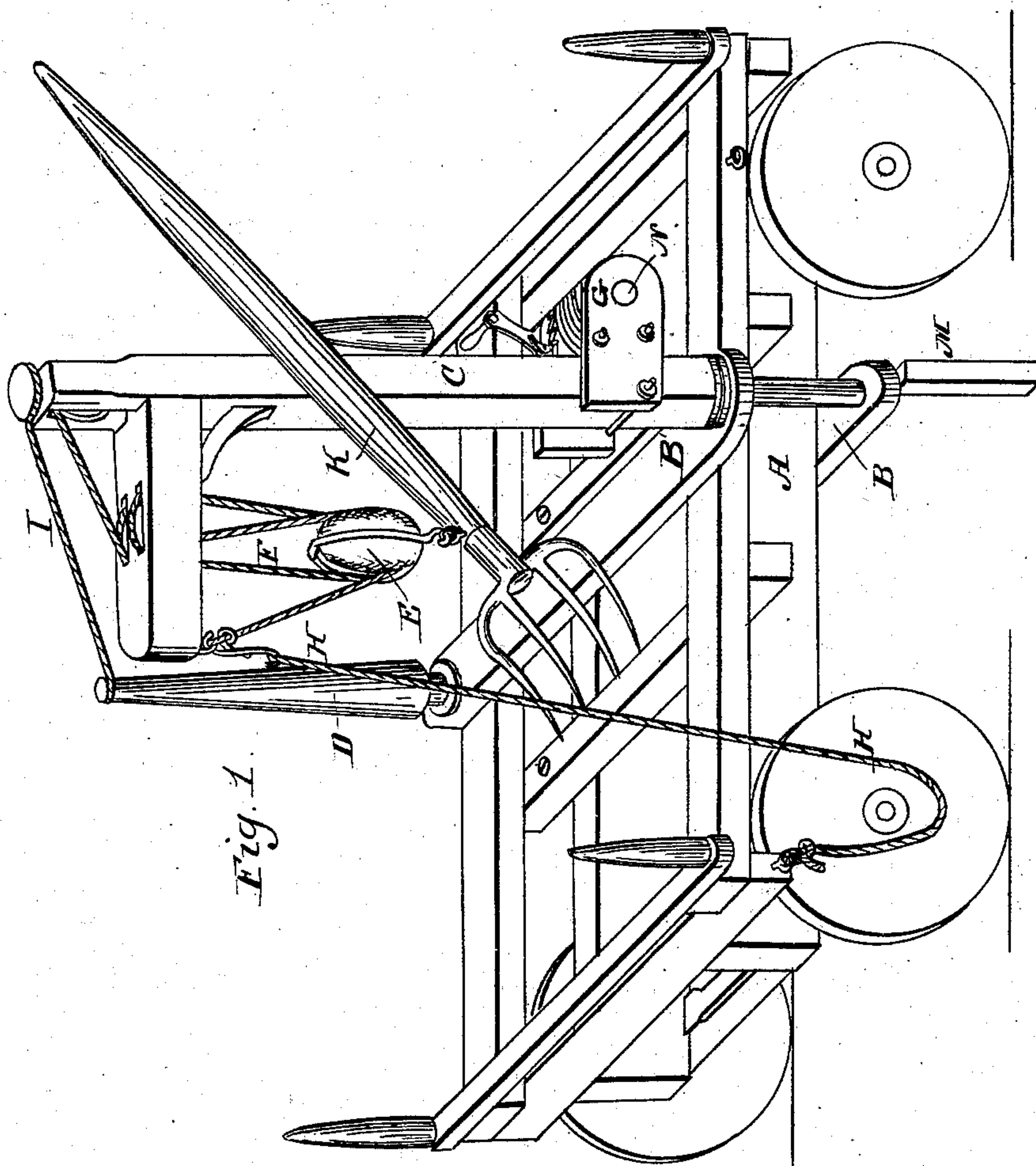


Fig. 1.

Witnesses:  
Thos. H. H. H.  
C. F. H. H.

Inventor:  
Austin Fuller  
by  
D. P. H. H. H.  
his attys.

# UNITED STATES PATENT OFFICE.

AUSTIN FULLER, OF PLYMOUTH, INDIANA.

## IMPROVEMENT IN HAY-LOADERS.

Specification forming part of Letters Patent No. 56,924, dated August 7, 1866.

*To all whom it may concern:*

Be it known that I, AUSTIN FULLER, of Plymouth, in the county of Marshall and State of Indiana, have invented a new and useful Improvement in Apparatus for Loading Hay onto Wagons; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, made part of this specification.

A represents the frame for supporting the hay-ladders of an ordinary wagon. Above and below the ladders I attach cross-timbers B and B', extending beyond the ladders on each side, and having holes near the end to receive the derrick C, the base of which is rounded, so that it may turn freely, resting, either by a shoulder on the cross-timber B', or upon a step on B, on one side, and on the other end a post, D. A guy, I, extends from the top of the derrick to the top of the post D.

Onto the perpendicular timber of the derrick C are adjustably attached lugs G, sustaining a windlass, N. A rope, F, attached to the axle of the windlass, is carried over a pulley set in the upper part of the derrick, and is thence carried over a pulley in the arm of the derrick and through the block E and attached to the end of the arm, or otherwise conveniently arranged, so as to give whatever multiplication of power may be necessary to secure the desired end.

L is a pawl working into a ratchet-wheel on the windlass, so as to prevent the load from falling:

The large fork K is attached to the block E by a hook or other device. Pieces M are hinged to the timber B, and are made of such length that when the derrick is being worked the weight of the load may be made to rest on the pieces M, thus giving strength and stability to the middle of the ladders.

A guy-rope, H, is attached to the end of the arm of the derrick, so as to hold it in position when the fork is entering the hay to be elevated.

When the load is raised, being held suspended by the pawl L, the derrick may be swung around and the hay dropped from the fork at whatever part of the load may be desired.

Having fully explained the nature of my improvements, what I claim as my invention, and seek to secure by Letters Patent, is—

The hereinbefore-described arrangement of a hay-loader, consisting of a derrick, C, mounted upon the center of one side of the rack and sustained by the transverse timbers B and B', so as to turn freely in all directions, and by a guy, I, attached to a post, D, upon the opposite end of the timbers, and restrained from turning by another guy, H, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AUSTIN FULLER.

Witnesses:

AMASA JOHNSON,  
D. L. PHILLIPS.