

O.T. Manny, Hay Loader.

No. 53,470

Patented Mar. 27, 1866.

Fig. 1.

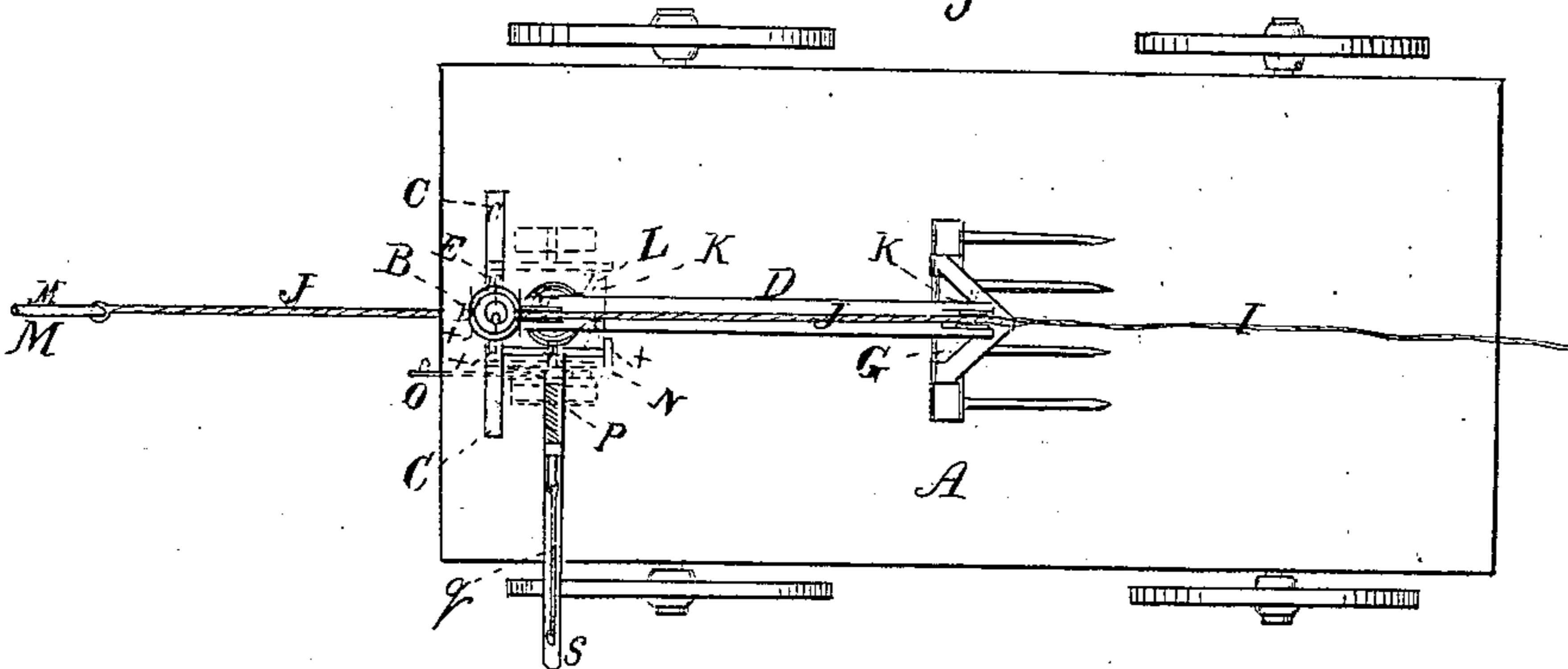


Fig. 2.

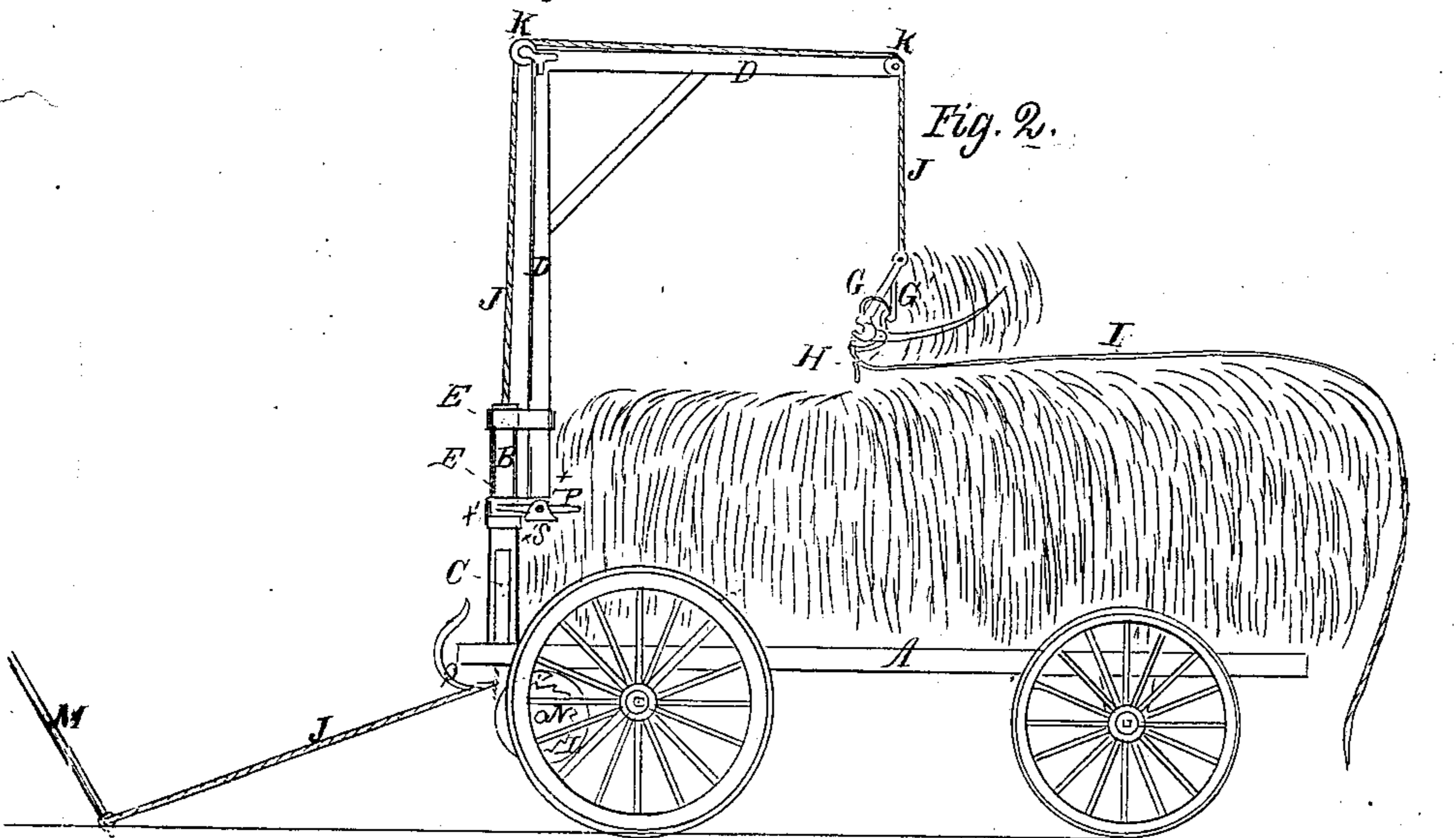
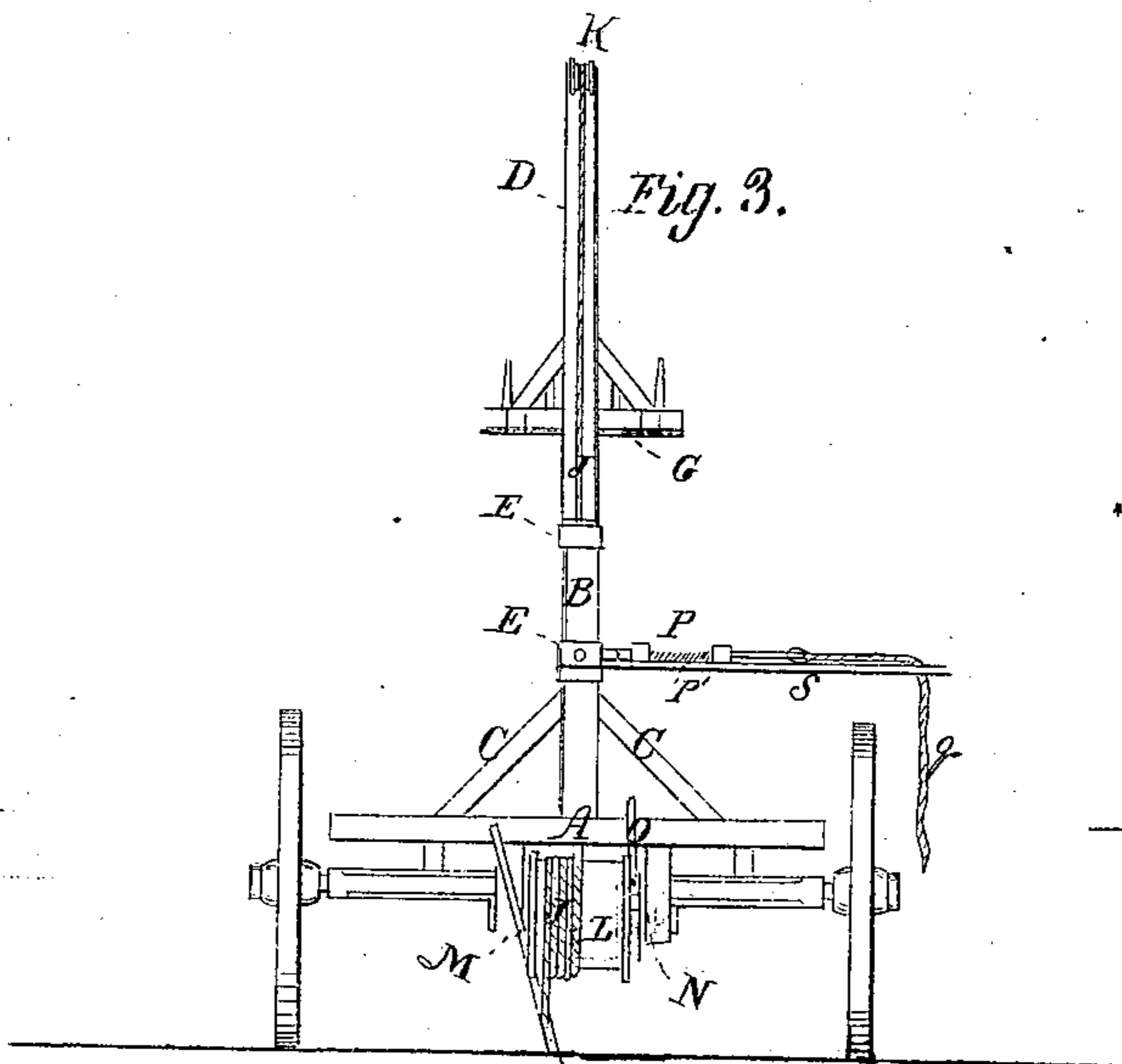


Fig. 3.



Witnesses

David Holley
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UNITED STATES PATENT OFFICE.

OLIVER T. NANNY, OF MAMAKATING, NEW YORK.

IMPROVEMENT IN HAY-LOADERS.

Specification forming part of Letters Patent No. 53,470, dated March 27, 1866.

To all whom it may concern:

Be it known that I, OLIVER T. NANNY, of Mamakating, county of Sullivan, and State of New York, have invented a new and useful Improvement in Hay-Loaders; and I do hereby declare the same is fully described and represented in the following specification and the accompanying drawings, of which—

Figure 1 is a top view; Fig. 2, a side elevation, and Fig. 3 an end view.

The nature of my invention consists in attaching to a wagon a combined crane, windlass, and hay-fork, which, from its peculiar form, will with very little assistance pick up hay from either side of a wagon and place the same on the load, and can be easily lowered or entirely removed from the wagon when not in use.

In the drawings, A represents an ordinary farm-wagon; B, a tubular or hollow post placed on the rear of the platform, supported by stays C C, &c. D is the crane, connected to the said post by means of circular braces or rings E E, which enables the crane D to play around the post B and carry with it in its movements the hay-fork G. The hay-fork G has a spring, G', and catch H, to which a guide-rope, I, is attached, for the purpose of directing the movements of the crane, and by pulling on or jerking the said rope enables the fork to disengage itself from the hay when placed on the load. Furthermore, there is another rope, J, from one end of which the hay-fork is suspended. Said rope passes over guide-pulleys K K in the crane, down through the hollow post B, around the drum or windlass L, and finally is attached at its other end to a spear, M. The windlass L has a ratchet, N, and pawl O, which, together with the bifurcated spring-catch P, attached to the crane, will sustain the hay-fork in any desired position, as shown in the drawings. The said catch P is attached to the base of the crane D by means of a plate, s, which encircles the same and sustains the catch P with

its spring *p'* and cord *q*. This bifurcated catch has three tines or prongs, *t t t*, two of which enter corresponding holes *t' t'*, &c., in the posts B and D, thus clamping the said posts together for the purpose of holding the crane in a stationary position while the load in the hay-fork is being raised or lowered; and by pulling on the cord *q* the catch P will be drawn against its spring *p'* from the posts B and D and the crane allowed to play around its center, carrying the catch P with it, which can be made to operate on either side of the crane, and is held up when in action by the spring *p'*.

In operating with my improved hay-loader I place the spear M firmly in the ground at some distance in rear of the wagon. Next I introduce the tines of the hay-fork underneath the hay-cock to be placed on the load. I now start the wagon forward, and from the fact that one end of the rope is attached to the spear (thence passing around the drum) and the other end fastened to the hay-fork, as the wagon proceeds the hay-fork, with its load, will be raised from the field, and, by means of the guide-rope, placed where desired on the load, and so on, repeating the same movements until the wagon-load is completed; and by similar movements the load can be as easily removed from the wagon onto the hay-rick or barn, and the loader used for other purposes.

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

The tubular post B, with its rings E E, in combination with the crane D, the hay-fork G, and bifurcated spring-catch P, for the purposes described.

In testimony whereof I have hereunto set my signature.

OLIVER T. NANNY.

Witnesses:

DAVID HOLLEY,
OLIVER NANNY.