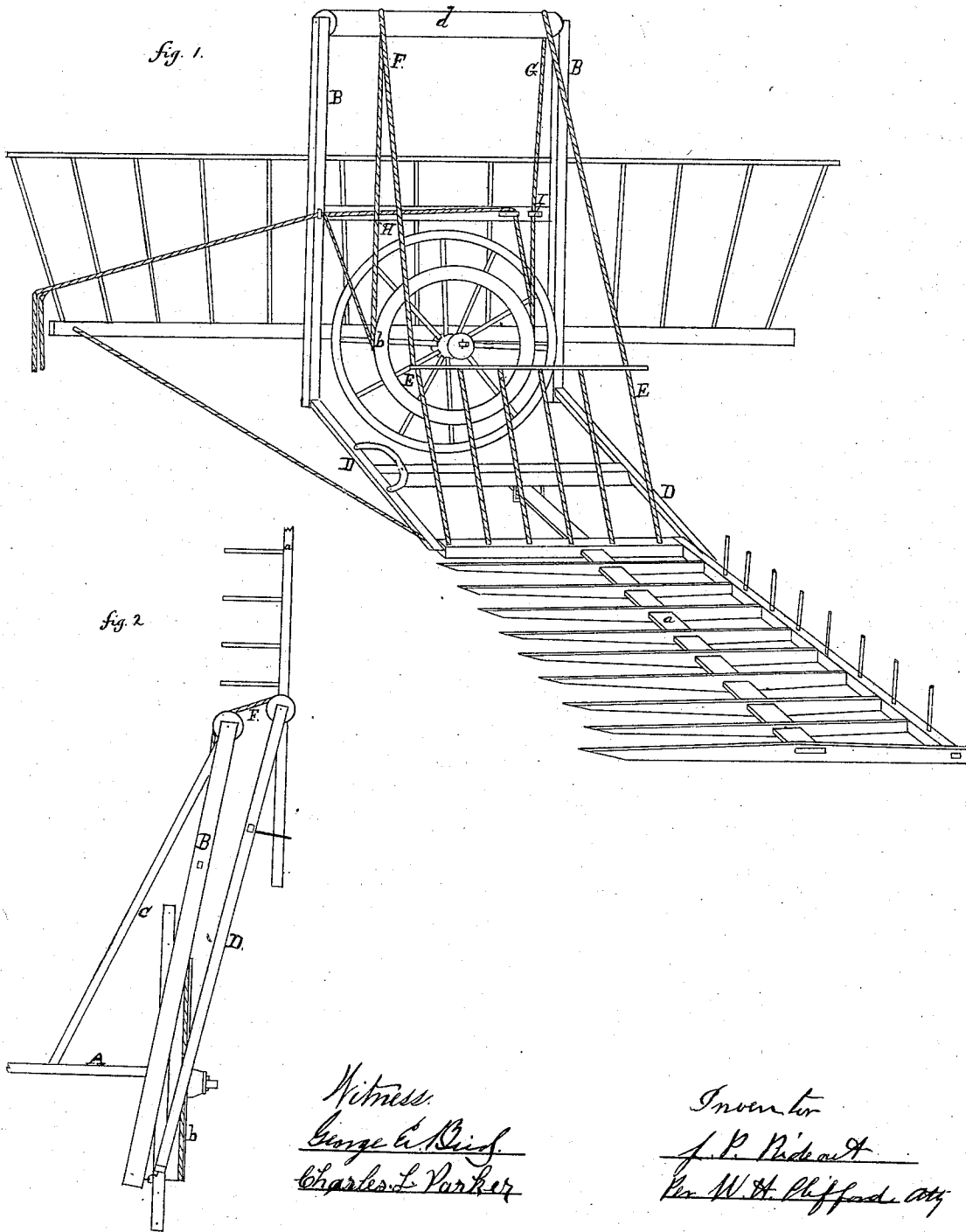


J. P. RIDEOUT.
HAY LOADER.

No. 111,252.

Patented Jan. 24, 1871.



Witness:
George A. Bins
Charles L. Parker

Inventor
J. P. Rideout
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United States Patent Office.

JOHN P. RIDEOUT, OF BOWDOINHAM, MAINE.

Letters Patent No. 111,252, dated January 24, 1871.

IMPROVEMENT IN HAY-LOADERS.

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

Be it known that I, JOHN P. RIDEOUT, of the town of Bowdoinham, in county of Sagadahoc and State of Maine, have invented a new and useful Machine for Loading Hay; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view, and

Figure 2 is a transverse sectional view.

The purpose of my invention is to provide a device attached to and operated by an ordinary hay-cart, by means of which the hay standing in bunches in the fields may be easily and expeditiously loaded into the cart.

The hay-gatherer is connected with the cart by means of a frame-work attached to the cart-body, as follows:

First, by means of the two horizontal pieces A A; then by means of the vertical timbers B B, which are supported by the timbers C C.

To the lower end of the vertical timbers B B are jointed the arms D D, carrying the gatherer and elevator *a*.

At the top of vertical timbers B B is the roller *d*.

Over this roller run the cords or traces E, extending to the elevator and attached to the inner end thereof, and intended to be wound upon the roller *d* as the elevator is raised, and *vice versa*. These pre-

vent the hay from sliding from the elevator as the latter is raised.

The lines F and G, attached to the inner ends of the cords or traces E, pass up over the roller *d*; then through pulleys or sheaves H I; then around the friction-pulley *b*, which is rigidly attached to one of the cart-wheels, so that, as the cart is drawn along the field, the lines are taken up around the pulley *b* until the elevator is brought to a vertical position, when the hay drops into the rack. By reversing the motion of the cart the elevator drops, by its own weight, to the ground. The lines F and G, after passing around the friction-pulley, are held by the driver for the purpose of keeping them taut, the friction of the same around the pulley *b* being sufficient to raise the elevator.

The elevator and the arms supporting the same may be braced in any convenient manner to the cart-body, to give the former more strength and firmness.

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

The combination of the roller *d*, the pulley *b*, the lines H I, and the elevator *a*, with the hay-cart, for the purposes and in the manner described.

JOHN P. RIDEOUT.

Witnesses:

EDWARD J. MILLAY,
GEORGE F. TINCKER.