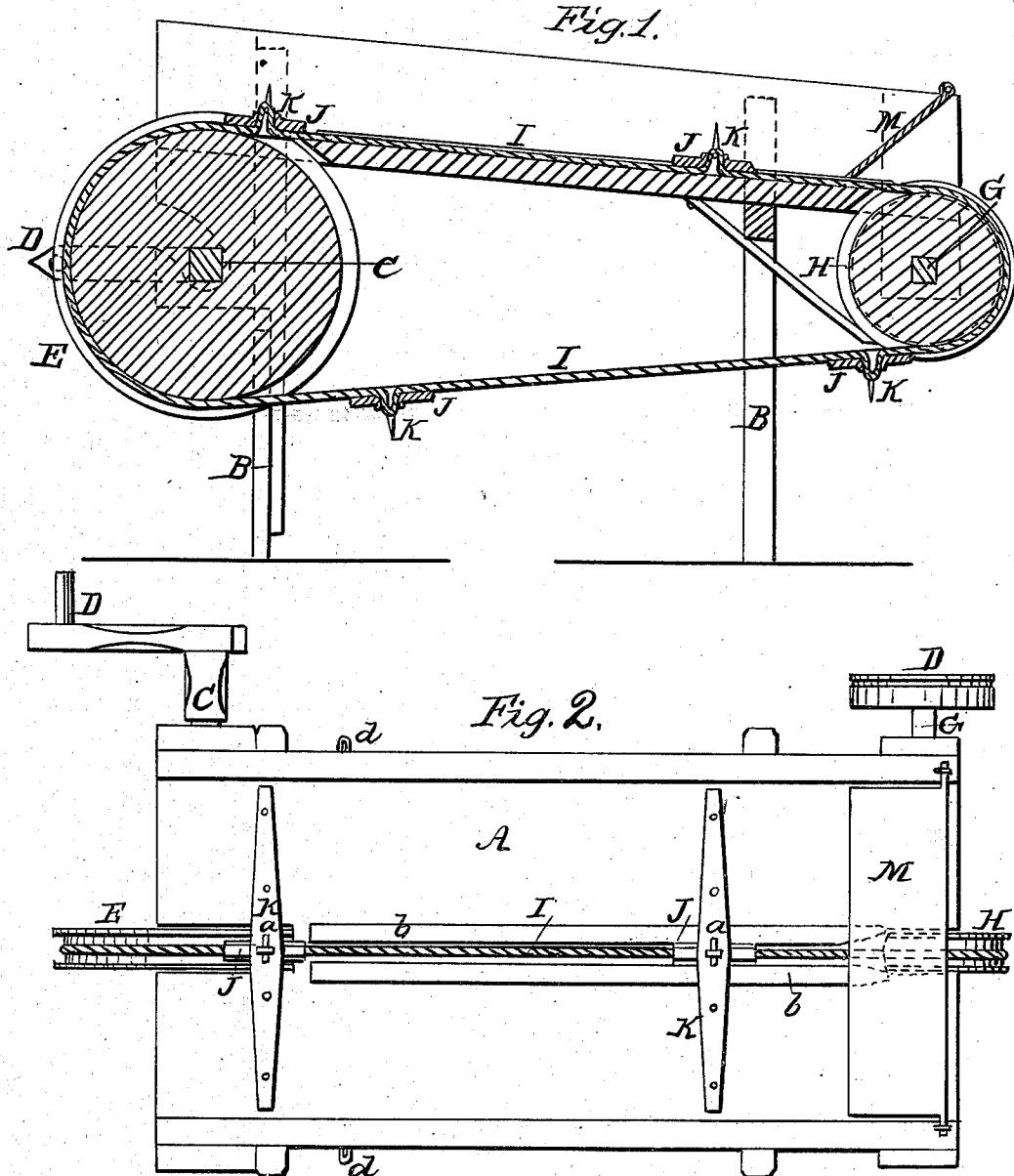


W. BOGGS,
Straw Stacker.

No. 100,716.

Patented March 15, 1870.



Witnesses.

Henry N. Miller.
John A. Ellis.

Inventor

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United States Patent Office.

WILLIAM BOGGS, OF COVINGTON, OHIO.

Letters Patent No. 100,716, dated March 15, 1870.

IMPROVEMENT IN STRAW-STACKING MACHINES.

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, WILLIAM BOGGS, of Covington, in the county of Miami, and State of Ohio, have invented certain new and useful Improvements in Machines for Stacking Straw, &c.; and I 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, which form a part of this specification.

The nature of my invention consists in the construction and general arrangement of a "straw-stacker," as will be hereinafter fully set forth.

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 longitudinal vertical section, and

Figure 2 is a plan view of my machine.

A represents the chute, which rests upon four legs B, the front ones of which are constructed in some suitable manner, so that they can be extended and consequently the front end of the machine elevated to any position desired.

At the front end of the chute is placed the shaft C, which at one end is provided with a crank, D, and so arranged in its bearings that it can be reversed so as to operate the machine from either side at pleasure.

Upon the shaft is placed a pulley, E, directly opposite the center of the front end of the chute.

At the rear end of the chute is another shaft, G, provided with a similarly-placed pulley, H, and around the pulleys E and H is placed, a cord, I, which thus passes longitudinally across the center of the chute and on top of the bottom thereof, as seen in fig. 1.

At proper intervals on the rope I are placed grooved blocks J J, on top of which are placed rakes K K, said rakes extending across the chute A, as seen in fig. 2.

The blocks J and rakes K are slotted in their cen-

ters so that the cord I can be drawn up through the same, and a pin, a, passed under the cord on top of the rake, which thus effectually secures them together.

The rakes K K, thus arranged on the cord I, form the carrier for conveying the straw, and the blocks J J are guided by ways b b in the center of the bottom of the chute, said guides or ways and blocks being dovetailed so that the blocks cannot slip up.

Upon the shaft G is a pulley, L, designed to be connected to a thrashing-machine and run or operate the carrier by the same power and at the same time the thescher is worked. It can be run by belt or rope, as a groove is cut in the pulley for a rope.

At the rear end of the chute A is hinged an apron, M, to prevent the straw or chaff from falling down when the front end of the machine is elevated.

On each side near the front end is a loop, d, to which cords are attached, which cords extend back to the thrasher and hold the carrier in a horizontal position so as to carry the straw on the top of the stack, acting as a substitute for the extension legs.

Having thus fully described my invention,

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

1. The arrangement at the rear end of the chute A of the shaft G, with pulleys H L and hinged apron M, all substantially as shown and described.

2. The combination and arrangement of the chute A with guides b b, shafts C G, pulleys E H L, carrier I J K, and apron M, all constructed as described, to operate substantially in the manner and for the purposes herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

WILLIAM BOGGS.

Witnesses:

DAVID J. MARTIN,
JOSEPH MARLIN.