B. JACKSON.

Distributer for Feeding-Belt of Thrashing-Machines.

No. 163,077. Patented May 11, 1875.

Fig. 1

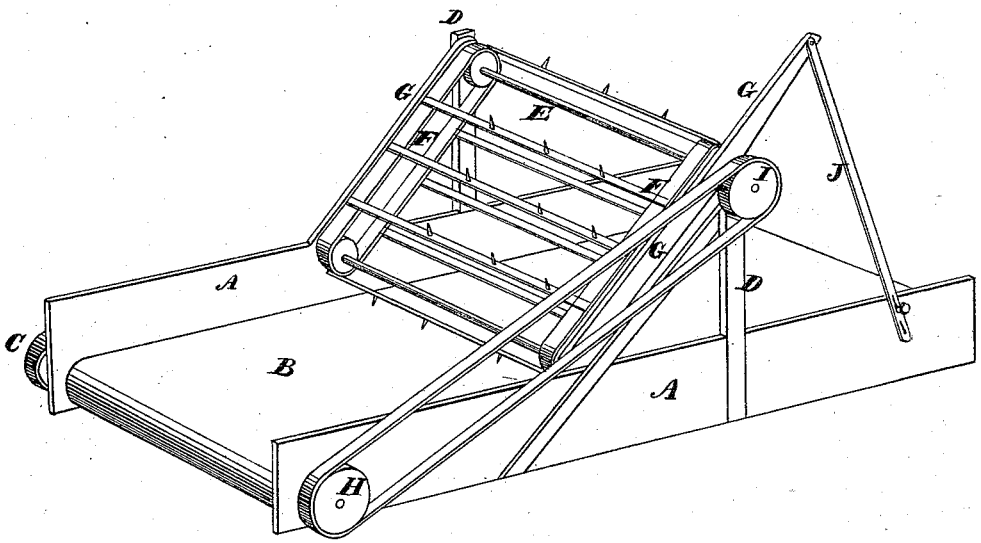
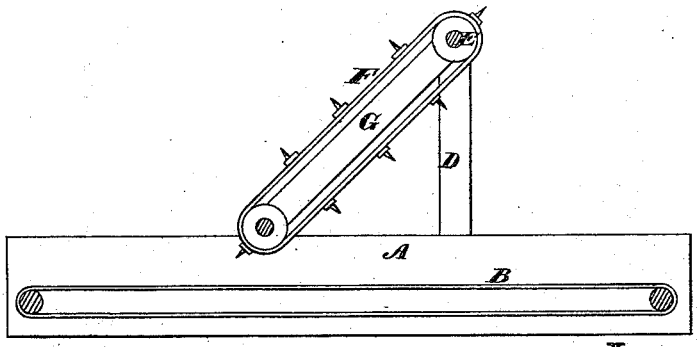


Fig 2



Witnesses

Geo. H. Strong.

Jno. L. Boone

Inventor

Byron Jackson

by Dewey & Co.

Attys

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

BYRON JACKSON, OF WOODLAND, CALIFORNIA.

IMPROVEMENT IN DISTRIBUTERS FOR FEEDING-BELTS OF THRASHING-MACHINES.

Specification forming part of Letters Patent No. **163,077**, dated May 11, 1875; application filed March 24, 1875.

To all whom it may concern:

Be it known that I, BYRON JACKSON, of Woodland, Yolo county, State of California, have invented a Distributer for Straw-Carriers; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention, without further invention or experiment.

My invention relates to an improvement in straw-carriers, such as are employed to bring straw from the stack to the feeder which is attached to the machine, to supply the cylinder; and it consists in the use of a short belt standing at an angle above the main carrying-belt and made to move in the same direction, so that their proximate surfaces move in opposite directions.

This belt may be adjusted up and down, and is provided with points or pickers which serve to catch and force back any masses of straw until they fall into some place where there is little straw, and thus the straw which is thrown upon this belt in bunches or forks-full will be properly distributed before it reaches the feeder, and will be delivered to the latter in a comparatively even flow.

Referring to the accompanying drawing for a more complete explanation of my invention, Figure 1 is a perspective view of my distributer. Fig. 2 is a longitudinal section.

A A are the sides of a straw-carrier, between which the belt B is moved toward the machine.

The outer end of the frame A rests upon a table or upon the stack at one side of and some distance from the machine, while the inner end is connected with the side of the machine by a swivel or other suitable joint, to allow the carrier to be adjusted to any angle as the relative position of the machine and stack may require, as is fully shown in Letters Patent granted to myself and B. F. Jackson, in March, 1870.

The carrier B is drawn by belts from the machine passing over the pulley C. Two posts, D D, properly braced, stand up at each side of the machine, and a shaft, E, extends across their upper ends. The distributing-belt F has its side pieces G loosely supported upon this shaft, and they extend down toward the carrier-belt, inclining toward its inner end, and in the direction in which it is moving. A shaft extends across the lower ends of these side pieces, and pulleys upon this and upon the shaft E carry the belt. The whole is driven by a belt from the pulley H to the pulley I upon the shaft E.

One of the side pieces G is extended back so that a strap or rope, J, can be attached to it, and by securing the opposite end to the side of the carrier-frame the angle of the distributer-belt may be changed and its lower end can be sustained nearer to or farther from the carrier-belt, to accommodate the amount of straw which it is desired to pass.

The cross-bars of the distributing belt are armed with teeth which will readily catch and hold back any surplus masses of straw, and these will fall into any vacant space as the carrier-belt passes, so that the straw will be very evenly distributed upon the latter, and will be regularly delivered to the feeder.

If necessary, both of the sides G may be extended, and the cords J could then be attached to the two arms of a rock-shaft extending across below the frame, and this would give an equal strain upon both sides of the frame and prevent it from being twisted.

In all cases the belt is self-adjustable upward to relieve it from large bunches.

In some cases the feeder-belt (which is ordinarily too short for this purpose) will be used without the carrier. When this is done the feeder-belt is somewhat lengthened, and the distributer is attached directly to the feeder-belt frame. It is susceptible of a ready attachment to any carrying-belt where it may be needed.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The adjustable distributing-belt F, supported in carrying-frame G, upon the shaft E, above the carrier-belt, and with its proximate face driven in an opposite direction to that of the carrier-belt, for the purpose of regulating the supply of straw passing beneath it, substantially as herein described.

2. The combination, in straw-carriers, of the

endless belt B, with the distributing-belt F, adjustably mounted upon the shaft E, and having the side piece G of its carrying-frame extended to serve as a lever by which the lower end of the belt can be raised or lowered and retained at any point by a cord, J, substantially as herein described.

In witness whereof I hereunto set my hand and seal.

BYRON JACKSON. [L. S.]

Witnesses:
JNO. L. BOONE,
HENRY SCHUBER,
JOHN CRONIN.