

O. Abell, Carrier for Threshing Machs

117238

PATENTED JUL 25 1871

Fig:1.

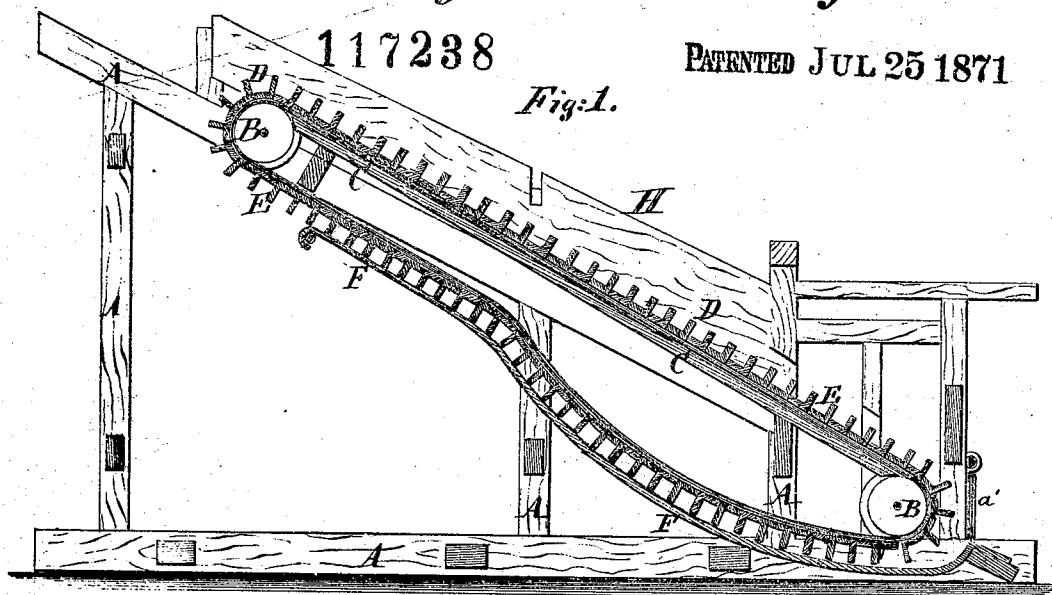


Fig:2.

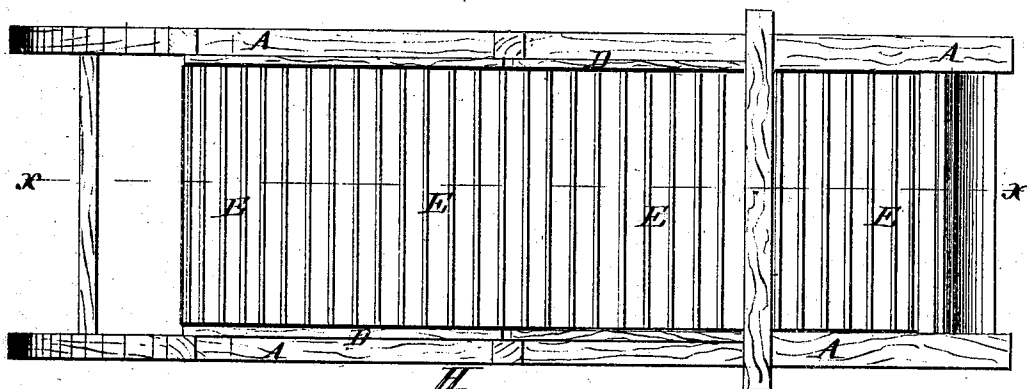
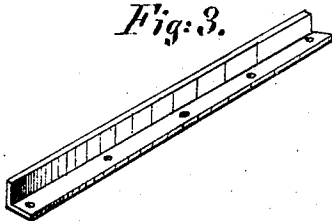


Fig:3.



Witnesses:

M. Vorländer

Wm. H. C. Smith.

Inventor:

O. Abell.

PER

Munn & Co.

Attorneys.

UNITED STATES PATENT OFFICE.

OTIS ABELL, OF WITOKA, MINNESOTA.

IMPROVEMENT IN STRAW-CARRIERS FOR THRASHING-MACHINES.

Specification forming part of Letters Patent No. 117,238, dated July 25, 1871.

To all whom it may concern:

Be it known that I, OTIS ABELL, of Witoka, in the county of Winona and State of Minnesota, have invented a new and useful Improvement in Carrier for Thrashing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improved device. Fig. 2 is a top view of the same. Fig. 3 is a detail perspective view of one of the cross-bars of the carrier-belt or apron.

Similar letters of reference indicate corresponding parts.

My invention consists in improving grain-carriers, as hereinafter fully described and subsequently pointed out in the claim.

A is the frame-work of the carrier, to the upper and lower ends of which are pivoted the rollers B, to one of which power is applied by a band from the thrasher. To the sides of the frame A, in line with the upper surfaces of the rollers B, are attached boards C about six inches wide which are chamfered to fit upon the flanges of the rollers B. The boards C and the side boards D of the frame A form a box for the carrier-belt or apron to move through. The carrier H is formed by attaching cross-strips or bars E to belts and canvas. The strips E extend out to the side boards D, and are arranged at such a distance apart as to form buckets to receive and carry the grain. By this construction no space

is left at the sides of the carrier for grain to fall through, and no lags being required to be attached to the carrier it may be made wider so as to increase its carrying capacity. The strips E may be made of metal or wood. When made of metal they are made angular, as shown in Fig. 3, and are securely riveted to the canvas and belts. When made of wood the strips E should be about one and a quarter inch wide and a quarter of an inch thick, and should be riveted to the belts and tacked to the canvas. F is a metallic plate or bottom attached to the frame A, the upper part of which is designed to extend over the fan-mill, and the lower part of which is curved into the shape of the natural sag of the carrier-belt. The bottom F is designed to receive any grain that may drop from the carrier, which grain will be swept down by the carrier-buckets to the lower part of the frame, whence it will be carried back by the apron-buckets and emptied or deposited in the fanning-mill, thus avoiding all scattering from the apron.

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

The endless carrier H provided with strips E, the plate F, boards D, and side pieces C, when said parts are constructed, combined, and arranged for operation, substantially as and for the purpose set forth.

OTIS ABELL.

Witnesses:

H. A. BOURNE,
WILLIAM WILKINS,
JAS. H. FRENCH.