

J. M. F. SHEPLER.
Grain-Separators.

No. 195,958.

Patented Oct. 9, 1877.

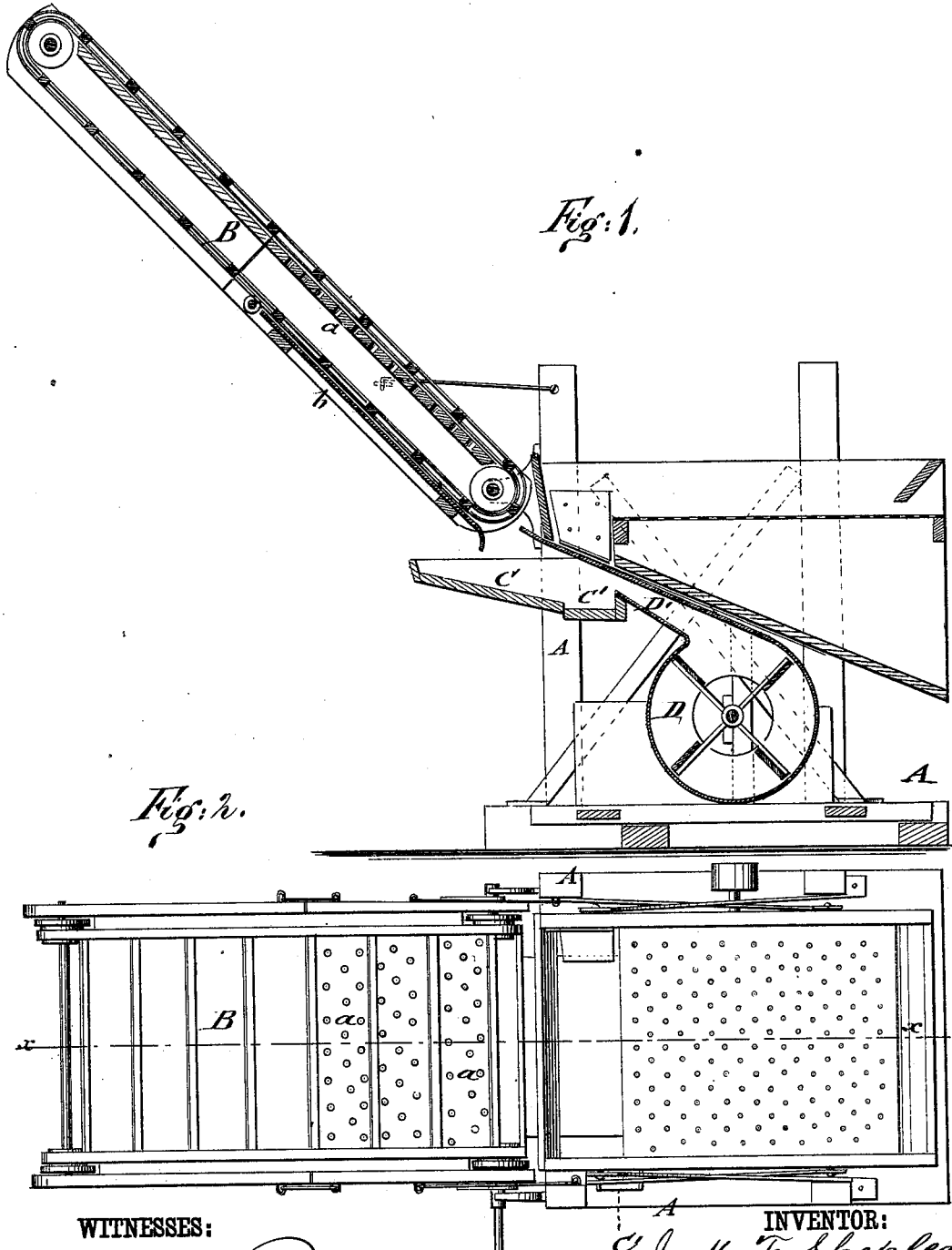


Fig: 2.

Fig: 1.

WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

JAMES M. F. SHEPLER, OF LYON'S STATION, INDIANA.

IMPROVEMENT IN GRAIN-SEPARATORS.

Specification forming part of Letters Patent No. **195,958**, dated October 9, 1877; application filed August 18, 1877.

To all whom it may concern:

Be it known that I, JAMES M. F. SHEPLER, of Lyon's Station, in the county of Fayette and State of Indiana, have invented a new and Improved Straw-Carrier for Thrashing-Machines, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section on line *x x* of my improved straw-carrier for thrashing-machines, and Fig. 2 a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved straw-carrier for thrashing-machines, by which all the grain that passes over or through the separator is saved and returned to the grain-elevator of the thrasher.

The improvement also prevents the choking of the riddle, and keeps the riddle perfectly clean around and below the stacker.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

In the drawing, A represents the supporting-frame of a thrashing-machine, to which the straw carrier or elevator B is attached in any approved manner, either by bracket-shaped seats and retaining-rods or otherwise.

The straw-carrier B is not solid throughout its conducting top floor *a*, but provided at the lower half with a series of alternating holes, through which any grain that has passed with the straw through the separator is dropped onto a lower solid floor, *b*, and from the same conducted by the returning slats of the carrier back to a shoe, C, at the end of the thrasher.

The shoe C has a laterally-inclined spout, C',

that conducts the grain from the shoe to the elevator, and from there to the cylinder.

The straw, while passing over the carrier B, is acted upon by an air-draft, that is created by a fan, D, under the shoe, the draft being directed by a spout and an upward-extended board or plate, D', to the lower end of the carrier, so as to pass in between the floors of the same, and prevent the choking up of the holes of the upper floor and of the spout C' by the chaff and small pieces of straw.

The current of air, being directed through between the two floors of the carrier, conducts off all the chaff and straw that otherwise falls or slides down along the carrier, so as to fill up the space below the same, and requires no extra barrels for removing the same. The accumulation of chaff around the carrier and thrasher is therefore avoided, and no removing of the same necessary when letting the carrier down. The chaff, being thus blown away, is not dropped around the measuring-box, nor on the sacks, so as to require all grain to be cleaned again before packing, but the same is thereby ready for being packed at once in clean state.

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

The combination of the straw-carrier, having solid bottom and perforated upper floor, the receiving-shoe C, and the fan D, the fan and shoe being connected by a spout and plate, as shown and described.

JAMES M. F. SHEPLER.

Witnesses:

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