

(No Model.)

2 Sheets—Sheet 1.

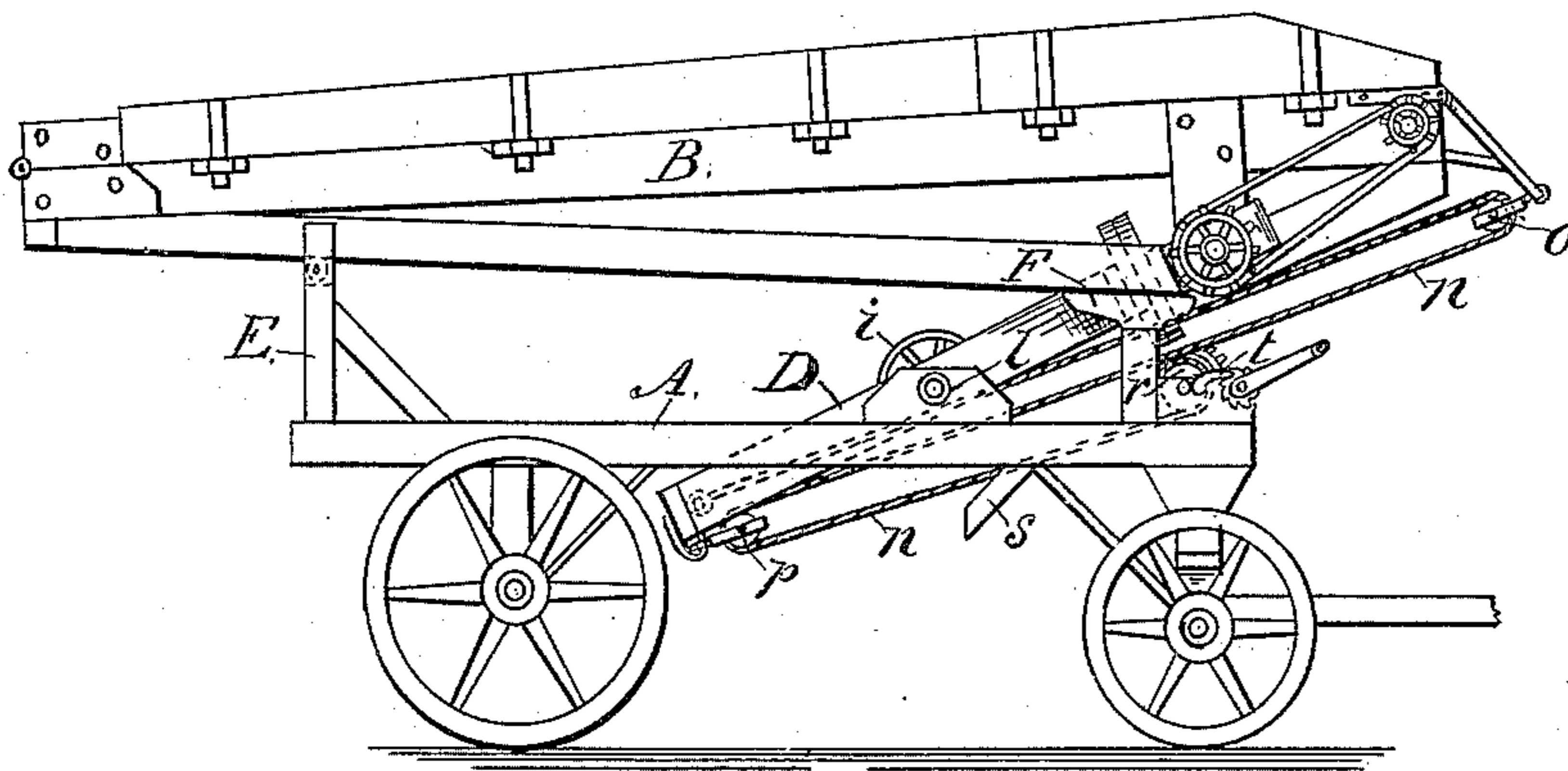
L. W. HASSELMAN.

STRAW STACKER.

No. 311,317.

Patented Jan. 27, 1885.

Fig. 1.



WITNESSES:

H. P. Good,
M. Carsten

INVENTOR:

Louis W. Hasselman

(No Model.)

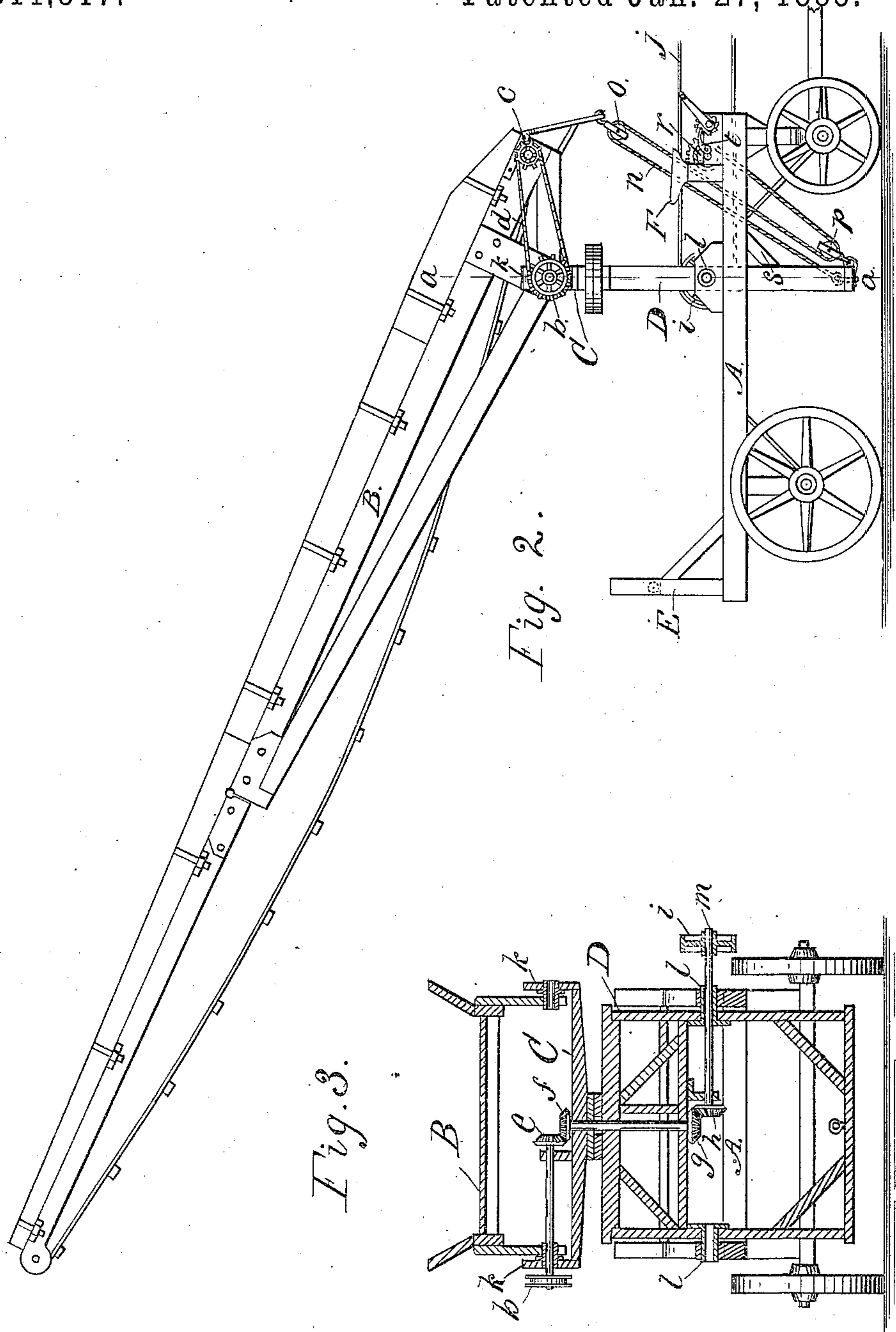
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No. 311,317.

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WITNESSES:
H. P. Hood
M. Carsten

INVENTOR:
Lewis W. Hasselman

UNITED STATES PATENT OFFICE.

LEWIS W. HASSELMAN, OF INDIANAPOLIS, INDIANA.

STRAW-STACKER.

SPECIFICATION forming part of Letters Patent No. 311,317, dated January 27, 1885.

Application filed October 9, 1884. (No model.)

To all whom it may concern:

Be it known that I, LEWIS W. HASSELMAN, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Straw-Stackers, of which the following is a specification.

My invention relates to an improvement in that class of straw-stackers in which a tilting straw-carrier adapted to oscillate in a horizontal plane is mounted on suitable running-gear to enable it to be easily moved from place to place.

The object of my improvement is to facilitate the folding of the straw-carrier down upon the running-gear when not in use, thereby lowering the center of gravity in transportation, and the raising of the same into position.

The accompanying drawings illustrate my invention.

Figure 1 represents a side elevation showing the stacker folded for transportation. Fig. 2 represents a side elevation of the stacker in working position; Fig. 3, a vertical section at *a a*, Fig. 2.

A is a horizontal frame mounted on suitable carrying-wheels.

B is a straw-carrier, consisting of a conveyer-trough traversed by a conveyer-belt, to which motion is given by means of sprocket-wheels *b* and *c*, chain *d*, bevel-gears *e* and *f* and *g h*, pulley *i*, and belt *j*, the whole construction and arrangement of these parts being well known in this class of machines.

C is a bolster having uprights *k k* at each end, to which the straw-carrier is pivoted, so as to swing vertically thereon, and said bolster is pivoted to the upper cross-timber of a frame, D, so as to turn in a horizontal plane thereon.

Frame D has heretofore been erected on the top of frame A and rigidly secured thereto.

In my improved machine, for the purpose of sustaining the straw-carrier at a proper height to receive the straw from a thrasher, and at the same time permitting the carrier to be brought down close to the bed-frame for transportation, frame D is now made of such width as to pass easily between the sides

of frame A, and is provided with trunnions *l l*, which are secured to frame D at about midway of its length, and are mounted in suitable bearings on frame A, so that frame D may swing therein, so as to stand plumb, as in Fig. 2, or inclined at an acute angle, as in Fig. 1. Trunnions *l l* are hollow and form bearings for the driving-shaft *m*, only one at a time being used for that purpose, as the said shaft does not extend clear across, but may be put in from either side.

For the purpose of swinging frame D, and thereby raising or lowering the receiving end of the straw-carrier, and also for tilting the straw-carrier, so as to raise or lower its discharging end, rope *n* is secured at one end to the lower end of frame D, passed from thence over a pulley, *o*, suspended from the end of the straw-carrier, thence downward under a pulley, *p*, attached to the lower end of frame D, and thence upward to a windlass, *r*, secured to the forward part of frame A. The rear end of the straw-carrier is supported, when lowered, by a light frame, E, secured to the rear end of frame A, and the front end by a pair of short uprights, F, erected on the forward end of said frame.

In operation, the machine being in the position shown in Fig. 1, by turning windlass *r*, so as to wind rope *n* thereon, the lower end of frame D is first drawn forward, swinging the frame on its trunnions, and thereby raising the upper end of the frame and the straw-carrier until said frame is perpendicular, at which point it is arrested by a pair of braced stops, *s*, secured one to each side of frame A. A further winding of rope *n* on the windlass draws the front end of the straw-carrier downward, thereby raising the rear end to any required degree, where it is held by a pawl, *t*, engaging the ratchet-wheel on the windlass. The weight of the straw-carrier thus operates to hold frame D in a vertical position.

I claim as my invention—

1. The combination, in a straw-stacker, of the bed-frame, the swinging frame pivoted so as to swing vertically on and extending above and below said bed-frame, and the

turning straw-carrier mounted on said swinging frame, all substantially as shown and described.

2. The combination, in a straw-stacker, of
5 the bed-frame, the swinging frame pivoted so as to swing vertically on and extending above and below said bed-frame, a stop secured to said bed-frame and adapted to engage said swinging frame, and the turning straw-car-
10 rier mounted on said swinging frame, all substantially as specified.

3. In a straw-stacker, the combination, with the bed-frame, the swinging frame, and the straw-carrier, of the windlass, and the rope connecting said windlass, swinging frame, 15 and straw-carrier, whereby said swinging frame is raised and the straw-carrier tilted, in the manner shown and described.

LEWIS W. HASSELMAN.

Witnesses:

H. P. HOOD,

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