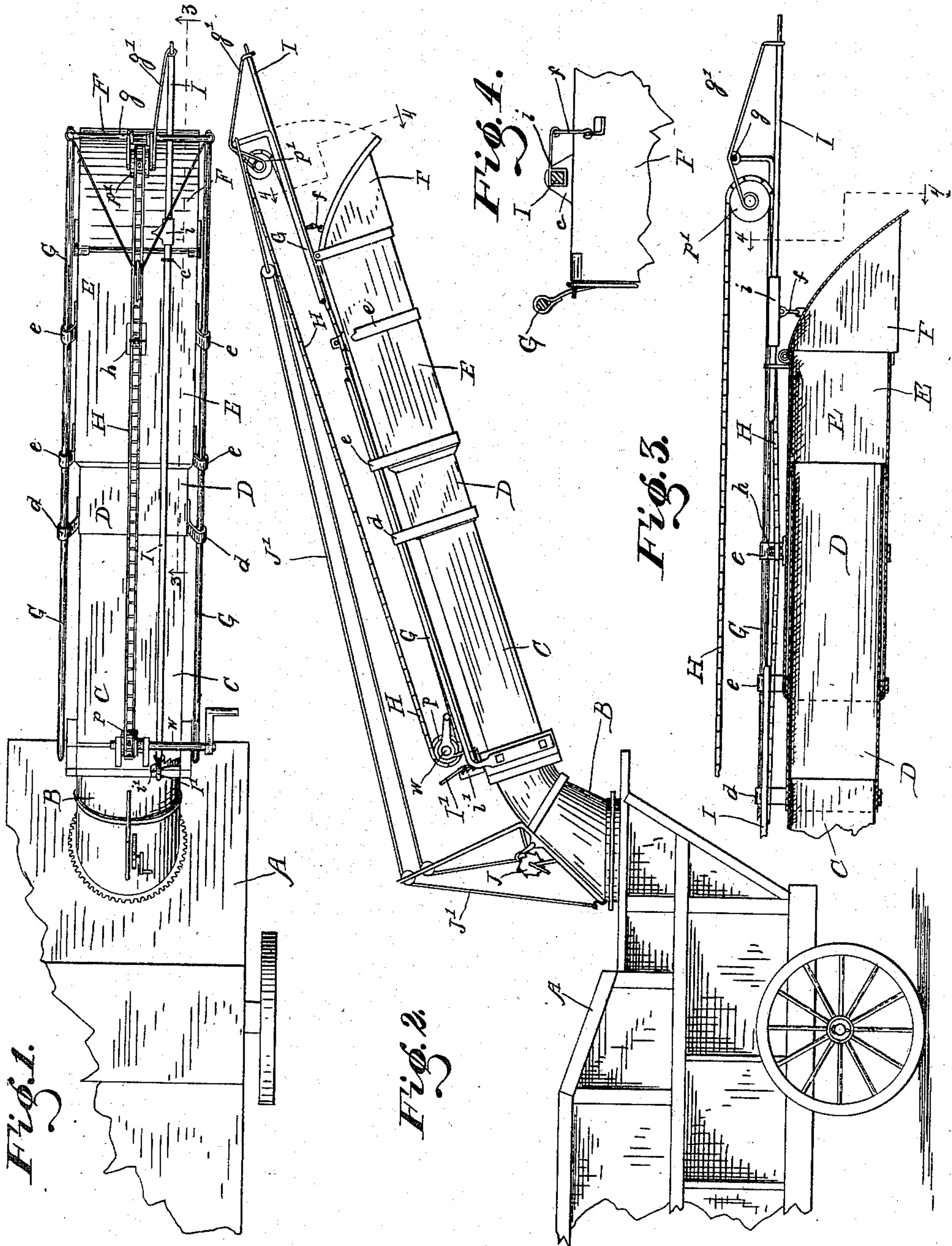


(No Model.)

A. FRAIZER.
PNEUMATIC STRAW STACKER.

No. 559,521.

Patented May 5, 1896.



WITNESSES:

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INVENTOR

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ALLENSON FRAIZER, OF PRAIRIE, HENRY COUNTY, INDIANA.

PNEUMATIC STRAW-STACKER.

SPECIFICATION forming part of Letters Patent No. 559,521, dated May 5, 1896.

Application filed September 10, 1894. Serial No. 522,548. (No model.)

To all whom it may concern:

Be it known that I, ALLENSON FRAIZER, a citizen of the United States, residing at Prairie township, in the county of Henry and State of Indiana, have invented certain new and useful Improvements in Pneumatic Straw-Stackers, of which the following is a specification.

The object of my present invention is to provide a convenient and efficient means whereby a telescoping trunk or chute for pneumatic straw-stackers may be manipulated.

A machine embodying said invention will be first fully described, and the novel features thereof then pointed out in the claim.

Referring to the accompanying drawings, which are made a part hereof and on which similar letters of reference indicate similar parts, Figure 1 is a top or plan view of a fragment of the rear end of a threshing-machine provided with a pneumatic straw-stacker, the trunk whereof is constructed in accordance with my present invention; Fig. 2, a side elevation of the same; Fig. 3, a detail sectional view on the dotted line 3 3 in Fig. 1, and Fig. 4 a detail sectional view as seen when looking toward the left from the dotted line 4 4 in Figs. 2 and 3.

In said drawings the portions marked A represent the fragment of the threshing-machine; B, C, D, and E, the sections of the trunk or chute; F, the hood on the outer end of said trunk or chute; G, a framework mounted on the section C and carrying the sections D and E; H, a chain belt for moving or telescoping the sections; I, a rock-shaft for manipulating the hood, and J a windlass for raising and lowering the trunk or chute as a whole.

The invention in this case, as above indicated, relates wholly to the trunk and its attachments. Said trunk is mounted upon the threshing-machine in an ordinary or any desired manner, and the portion or stump B, as well as the windlass J and ropes J', attached thereto, are or may be of any usual or any desired form. The trunk or chute proper is composed of the three parts C, D, and E, telescoping over each other, and the parts D and E are supported by means of straps *d* and *e* on the frame G. Said frame G is rigidly secured to the lower end of the part C and projects forwardly a sufficient distance to support the sliding portions D and E when projected to

their utmost length, said frame consisting, preferably, of two bars extending forward from the point of attachment with said trunk part C and bent up and crossing and thus united at the front end, as shown. The chain belt H runs over pulleys *p* and *p'*, the first of which is mounted on the windlass *w*, and the other of which is mounted on the cross-bar *g* of the frame G. At a point about central of the trunk part E this chain is united to said trunk part by means of an attachment *h*, and said trunk part is thus driven back and forth by turning the crank of the windlass. The rock-shaft I is mounted in bearings *c* on the trunk part C and bearings *g'*, carried by the cross-bar *g*, and is provided with a sliding bearing *i*, which is attached by means of a link *f* to the hood F. It is so formed that the bearing *i* may slide freely longitudinally thereof, but not turn or rotate thereon, and for this reason may be square, as shown, flat-sided, or provided with a groove in which a spline on the bearing may engage, as may be desired. At the lower end it has a handle I', by which it may be rocked back and forth, and the hood F thus swung on its pivot, said handle being adapted to engage in a rack-bar *i*, by which it may be held at any desired point. The hood can thus be manipulated at whatever point of extension the trunk may reach. The whole arrangement is simple and efficient and renders the use of a telescoping trunk practicable, whereby the size and arrangement of the stack can be much better controlled than with a stiff non-adjustable trunk.

I do not claim, broadly, a conveyer for pneumatic straw-stackers comprising a track, a support therefor, telescopic tube-sections, means for supporting one of said sections slidably on the track, a flexible connection attached at both ends to the slidable tube, and means for operating said flexible connection, so as to vary the length of the telescopic conveyer; but,

Having fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, in a pneumatic straw-stacker, of a series of telescoping parts forming the trunk or chute, a hood on the outer end of the upper part, a rock-shaft extend-

ing the full length of said trunk or chute, a bearing on said rock-shaft adapted to slide longitudinally thereof but not to be rotated thereon, and a connection between said bearing and said hood, whereby said hood may be manipulated at whatever point it may be extended by moving said rock-shaft, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at New Castle, Indiana, this 10 5th day of September, A. D. 1894.

ALLEN SON FRAIZER. [L. S.]

Witnesses:

PERRY FRAIZER,
ENOCH A. NATION.