

No. 843,063.

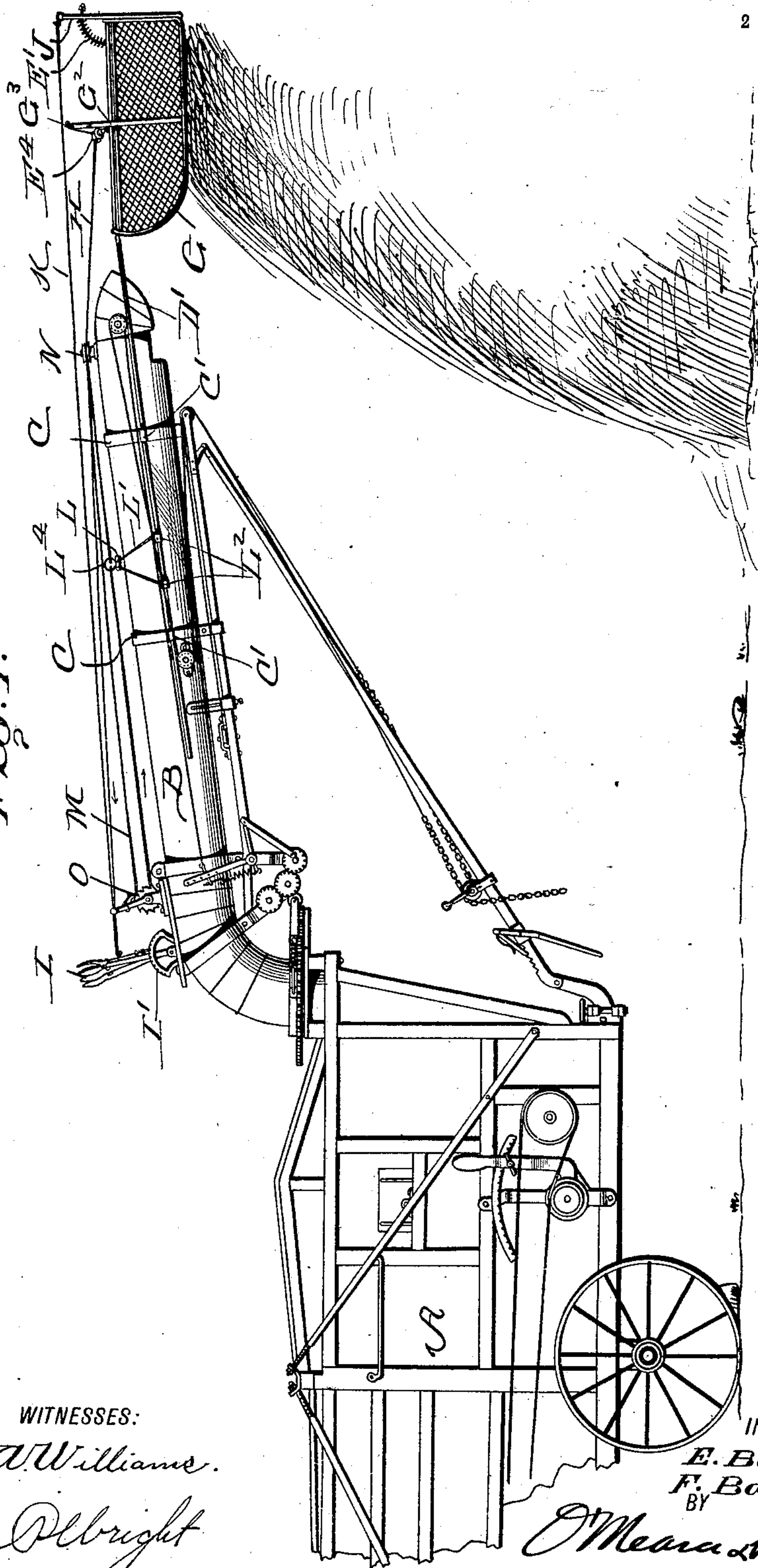
PATENTED FEB. 5, 1907.

E. & F. BARTH.  
STRAW STACKER.

APPLICATION FILED FEB. 20, 1906.

2 SHEETS—SHEET 1.

Fig. 1.



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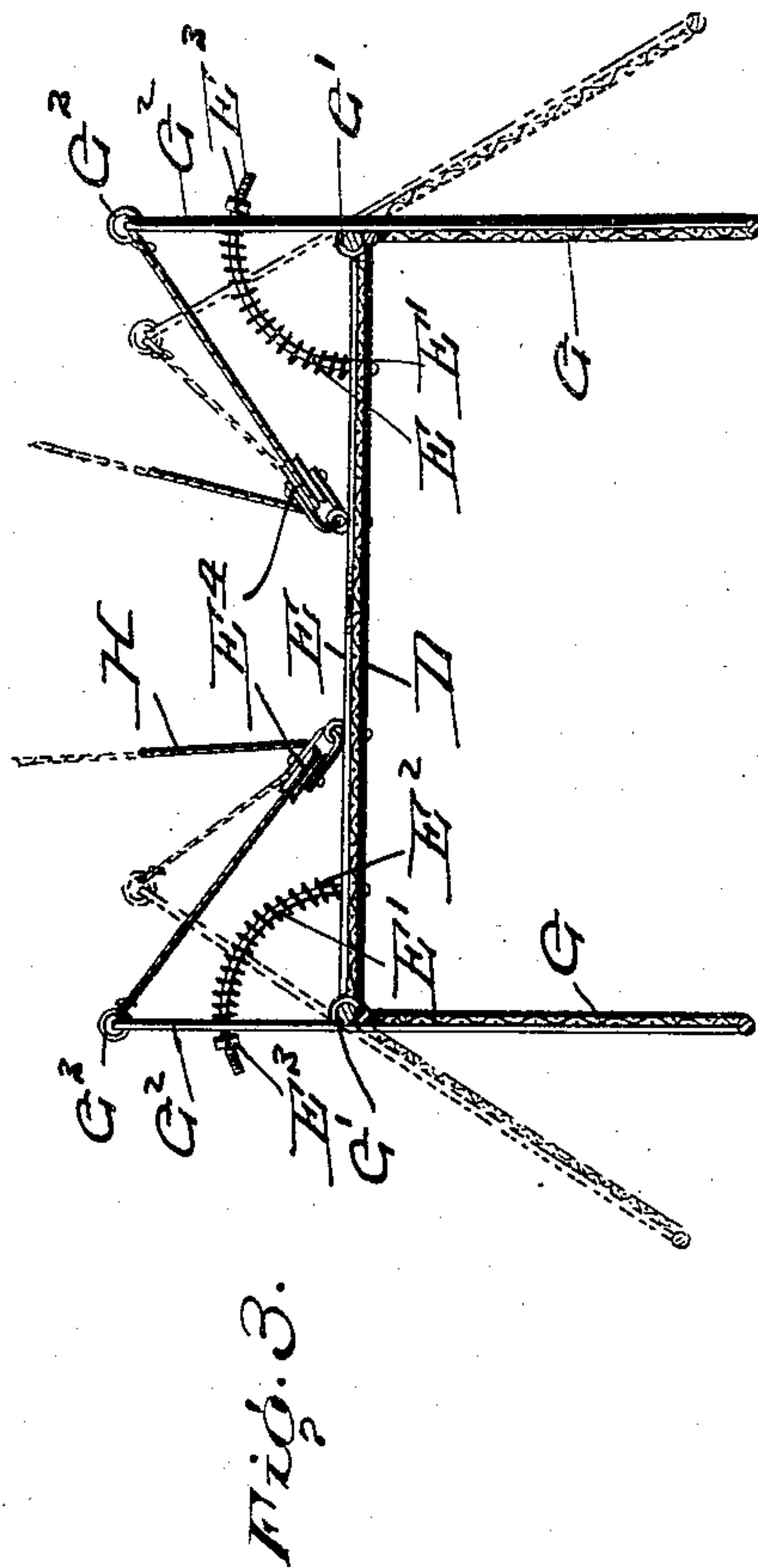
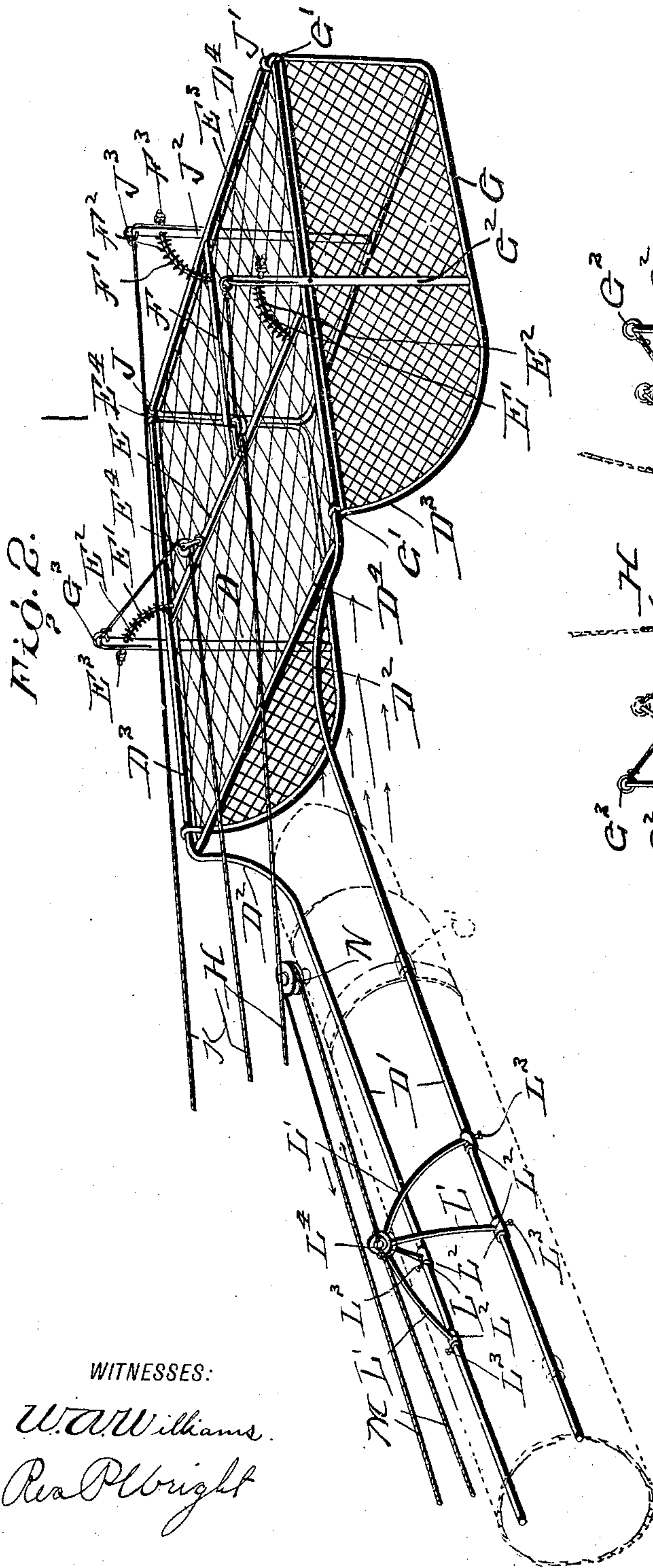
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2 SHEETS—SHEET 2.



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# UNITED STATES PATENT OFFICE.

ELI BARTH AND FRANKLIN BARTH, OF NEVADA, OHIO.

## STRAW-STACKER.

No. 843,063.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed February 20, 1906. Serial No. 302,150

*To all whom it may concern:*

Be it known that we, ELI BARTH and FRANKLIN BARTH, citizens of the United States, residing at Nevada, in the county of Wyandot and State of Ohio, have invented a new and useful Improvement in a Straw-Stacker, of which the following is a specification.

Our invention relates generally to straw-stackers, and more particularly to an attachment for pneumatic stackers, the object being to prevent the straw from being blown away from the place it is intended to be deposited.

With this object in view our invention consists in providing the end of the pneumatic tube with an adjustable frame, so that the straw can be deposited on the stack at any place desired; and the invention consists also in providing the frame with a hinged end and side pieces which can be easily and quickly adjusted; and the invention also includes very simple adjusting means in connection with the tube, so that the frame can be adjusted in any position desired from the tube.

With these objects in view the invention consists of the novel features of construction, combination, and arrangement of parts hereinafter fully described, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a side view of a pneumatic stacker, showing the attachment in place. Fig. 2 is a perspective view of the attachment, showing the spout detached. Fig. 3 is a transverse section through the frames, showing the end frame removed.

Referring to the drawings, A indicates a thresher provided with the usual delivery-tube B, mounted on the top, at one end having the ordinary adjusting means connected thereto. Bands C surround the tube B adjacent its outer end, provided with apertured lugs C', in which the parallel bars D' are slidably mounted. The bars are bent outwardly at D<sup>2</sup>, forming side bars D<sup>3</sup>, connected by end bars D<sup>4</sup> and forming a frame D, which is covered with wire-netting. A cross-bar E connects the side bars D<sup>3</sup> and is provided with upwardly and outwardly extending curved bars E' adjacent its ends, surrounded by coil-springs E<sup>2</sup> and having threaded ends. Connecting the bar E to the outer end bar D<sup>4</sup> is a bar F, which is also provided with a curved upwardly and outwardly extending bar F' adjacent its end surrounded by a coil-spring

F<sup>2</sup> and having a threaded end. Side frames G, covered with wire-netting, are pivoted to the side bars D<sup>3</sup> by bending the upper ends of the side bars around the bars D<sup>3</sup>, as shown at G'. Bars G<sup>2</sup> are carried by the side frame G and project up above the frame D in alinement with the cross-bar E and are each provided with a ring G<sup>3</sup> at its end and an opening through which the curved bars E' are adapted to work and be secured therein by nuts E<sup>3</sup>. Ropes H are connected to the rings G<sup>3</sup> and pass over the pulleys E<sup>4</sup>, arranged on the cross-bars E, and have their ends connected to levers I, arranged on the spout working on segmental racks I', so that the sides can be thrown at any angle desired. An oblong end frame J, covered by wire-netting, is pivotally connected to the outer end bar D<sup>4</sup> by bending the ends of the sides around the bar D<sup>4</sup>, as shown at J'. A bar J<sup>2</sup> is secured to the end frame and projects up above the frame D in alinement with the bar F and is provided with a ring J<sup>3</sup> at its end and an opening through which the curved bar F' extends and is secured therein by a nut F<sup>3</sup>. A rope K is connected to the ring J<sup>3</sup> and to one of the levers I, arranged on the spout, so that the end can also be adjusted.

A plate L is provided with downwardly and outwardly extending arms L', having tube-shaped ends L<sup>2</sup>, through which the bars D' pass, and are adjustably mounted thereon by set-screws L<sup>3</sup>, passing through the walls of the ends L<sup>2</sup> and engaging the bars D'. An eye L<sup>4</sup> is secured to the plate L, to which the ends of the rope M are secured, said rope passing over a pulley N, arranged adjacent the end of the spout and around a windlass O, secured on the other end of the spout, so that the frame can be adjusted any distance from the end of the spout desired.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a straw-stacker, the combination with a delivery-spout, of a frame carried by said spout, side frames hinged to said frame, an end frame hinged to said frame and means for adjusting the side and end frames, independently of each other, for the purpose described.

2. In a straw-stacker, the combination with a delivery-spout, provided with apertured lugs, of parallel bars mounted in said lugs provided with a frame at their outer ends, side frames and an end frame pivoted



to said frame, having upwardly-projecting members and means connected to said upwardly-projecting members, for operating said sides and end, for the purpose described.

5 3. In a straw-stacker, the combination with a delivery-spout, provided with apertured lugs, of parallel bars mounted in said lugs carrying a frame at their outer ends, spring-actuated sides and end frames pivoted  
10 to said frame, a plate adjustably mounted on said parallel bars, and means connected to said plate for adjusting said frame, for the purpose described.

4. In a straw-stacker, the combination  
15 with a delivery-spout, of a frame covered with wire-netting adjustably mounted on the outer end of said spout, spring-actuated sides and end frames covered with wire-netting pivoted to said frame, having upwardly-pro-  
20 jecting members, pulleys arranged on said frame, ropes connected to said upwardly-projecting members passing over the said pulleys having their ends connected to levers mounted on said spout, a pulley arranged on  
25 the outer end of the spout and a windlass arranged on the other end having its ends connected to the frame, for the purpose described.

5. In a straw-stacker, the combination  
30 with a delivery-spout, of apertured lugs arranged on the outer end of said spout, bars

mounted in said lugs carrying a wire frame at their outer ends, spring-actuated sides and end frames hinged to said frame, apertured bars projecting up from said side and end  
35 frames above the said frame, curved bars mounted on said frame projecting through the apertures in said bars ropes connected to said apertured lugs, and to levers carried by  
40 the spout, a plate provided with an eye adjustably mounted on the parallel bars, and a rope connected to said eyes passing over a pulley arranged on the end of the spout and a windlass arranged on the other end of the  
45 spout, for the purpose described.

6. In a straw-stacker, the combination  
45 with the delivery-spout, of bars slidably mounted thereon carrying a frame at their outer ends, spring-actuated side frames hinged to said frame, a spring-actuated end  
50 piece hinged to said frame, ropes connected to said side and end pieces, a plate adjustably mounted on said bars, and means for adjusting said frame and independent means  
55 connected to said ropes for adjusting the side and end frames, for the purpose described.

ELI BARTH.

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Witnesses:

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