

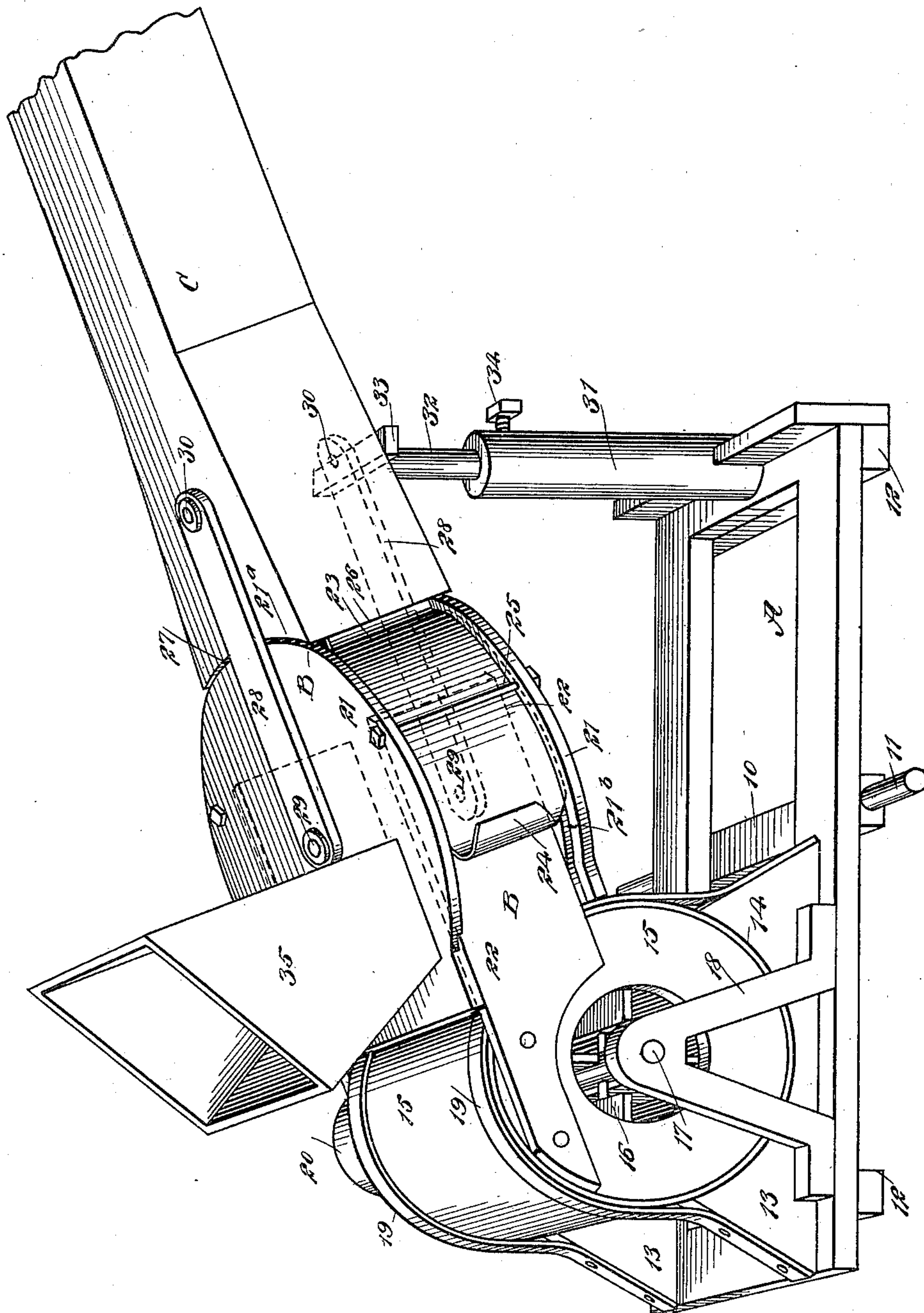
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Patented Nov. 6, 1900.

C. GLAUM.
STRAW STACKER.

(Application filed Feb. 8, 1900.)

(No Model.)



WITNESSES:

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CONRAD GLAUM, OF AUDUBON, MINNESOTA.

STRAW-STACKER.

SPECIFICATION forming part of Letters Patent No. 661,371, dated November 6, 1900.

Application filed February 8, 1900. Serial No. 4,490. (No model.)

To all whom it may concern:

Be it known that I, CONRAD GLAUM, a citizen of the United States, and a resident of Audubon, in the county of Becker and State of Minnesota, have invented a new and Improved Straw-Stacker, of which the following is a full, clear, and exact description.

One purpose of the invention is to provide a straw-stacker which will be of simple, durable, and economic construction and capable of use in connection with any threshing-machine and which is adapted to receive the straw therefrom and so distribute the straw that a perfect stack may be readily built up.

Another purpose of the invention is to so construct the stacker that its entire body or trunk, including the delivery-spout, may be vertically adjusted without interfering with the blower or fan and so that the delivery-spout may be horizontally adjusted independent of the vertical adjustment of the body or trunk of the machine.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawing, forming a part of this specification, in which is shown a perspective view of the improved stacker.

The base A of the machine may be of any desired construction. Preferably, however, the base is provided with an axle 10, upon the spindles 11 whereof wheels may be mounted, so that the stacker may be readily transported or drawn from place to place. The base is strengthened by cross-bars 12, and when the machine is in use its tongue is adjustably attached to the most convenient portion of the threshing-machine in connection with which the stacker is used.

Bearings 13 are secured upon the base, one at each side, near that end of the base which is presented to the threshing-machine in connection with which the stacker is to be used. Each bearing 13 is provided with a concaved upper surface 14, and the cylindrical casing 15 of a fan or blower 16 is made to rest upon the concaved surfaces of the bearings 13, and the shaft 17 of the fan or blower is mounted to turn in standards 18, which are secured to the base. The casing 15 of the fan or blower is

held in place, yet is capable of moving upon its support, by passing straps 19 loosely around the upper and side portions of the casing and along the front and rear edges of the bearings 13, to which latter parts the straps 19 are secured. The fan or blower shaft 17 is provided at one of its ends with a driving-pulley 20.

A receiving-box B is secured to the fan-casing, usually at the sides, and this receiving-box B consists of upper and lower members 21, whose rear edges 21^a are circular or cylindrical, and sides 22, which sides 22 are attached to the side faces of the fan or blower casing and extend to about the central portion of the sides of the top and bottom of the said receiving-box. Thus in the construction of the receiving-box proper the front and a portion of the sides are left open. Both the top and bottom portions 21 of the receiving-box are provided upon their opposing faces with flanges 21^b. These flanges are circular and serve as guides for sliding covers 23, which are adapted to normally close the open portion of the receiving-box, and the sliding covers 23 extend forward or in direction of the fan or blower over the sides 22, terminating at their forward ends in outwardly-turning flanges 24, which flanges are adapted to engage with stop-bolts 25, which bolts pass through the upper and lower portions of the receiving-box, one at each side, and serve the dual purpose of bracing these parts and of limiting the movement of the slides 23 in one direction. Each slide 23 is provided at its rear end with a straight flange 26, and the flanges 26 of the two slides are parallel. These flanges 26 are adapted to enter the forward end of a delivery-spout C, and the forward end portion 27 of the delivery-spout is concaved, so that it will conform to the convexity of the forward and side edges of the top and bottom of the delivery-box B.

The delivery-spout C is pivotally attached to the receiving-box B through the medium of upper and lower connecting-bars 28, and these bars are usually attached to the central portion of the receiving-box by pivot-pins or pivot-bolts 29, and the attachment of the bars to the delivery-spout C is effected also by means of pivot pins or bolts 30. Thus it will be observed that the delivery-spout may be

5 moved from side to side of the receiving-box, the said movement being limited by the outwardly-turned flanges 24 of the slides 23 coming in engagement with the bolts 25, as has
 10 been heretofore stated. It is also evident that the delivery-spout may be raised and lowered, since all the parts of the machine are connected, and the fan or blower casing 15, which is one of the said parts, constitutes a
 15 fulcrum for the other portions of the machine, as the fan or blower casing may turn in its bearings, as has been set forth.

The delivery-spout C may be held at any desired elevation through the medium of an
 20 adjusting device comprising a socket 31, which is attached to or connected with the rear end of the base A, and in this socket a supporting-rod 32 is mounted to slide, carrying a rest-bar 33 at its upper end, which is arranged for engagement with the under surface of the delivery-spout C, and the supporting
 25 bar or rod 32 is held in its adjusted position by a set-screw 34 or by equivalent means.

The straw is fed to the receiving-box B
 30 through the medium of a hopper 35, which is located at the upper portion of the receiving-box and connects directly with the interior of the same.

It is evident from the foregoing description
 35 and the drawing that the delivery-spout may be moved horizontally or may be vertically adjusted in a convenient and expeditious manner and without in any way affecting the

operation of the fan or blower, the casing of which constitutes a casing for the body or 35 trunk of the machine.

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

1. In a straw-stacker, a fan-casing, a support having a bearing engaging the fan-shaft and another bearing for the periphery of the fan-casing, said second bearing being curved cylindrically, and a delivery-spout secured to the fan-casing. 45

2. In a straw-stacker, a support, a fan-casing carried thereby, a substantially cylindrical receiving-box secured to the fan-casing, a discharge-spout connected loosely with the box to swing sidewise relatively thereto, 50 and slides connected to move with the spout and engaging peripheral guideways of the box.

3. In a straw-stacker, a support, a trunk carried thereby and including a fan-casing, a 55 discharge-spout connected loosely with the trunk to swing sidewise relatively thereto, and slides connected to move with the spout and engaging guideways on the trunk.

In testimony whereof I have signed my 60 name to this specification in the presence of two subscribing witnesses.

CONRAD GLAUM.

Witnesses:

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 P. T. LANGDON.