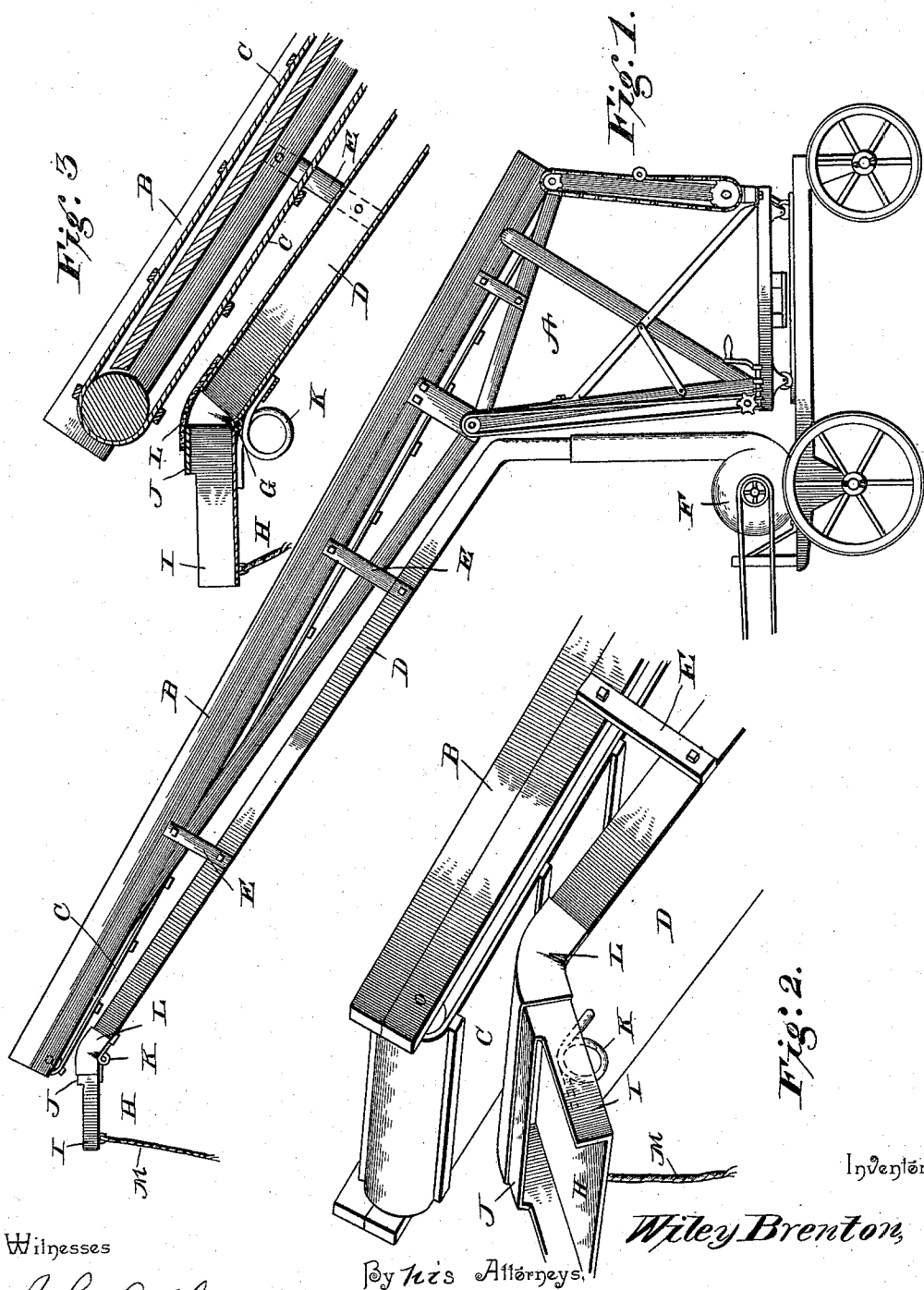


(No Model.)

W. BRENTON.
STRAW STACKER ATTACHMENT.

No. 533,267.

Patented Jan. 29, 1895.



Witnesses

John C. Shaw
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UNITED STATES PATENT OFFICE.

WILEY BRENTON, OF CARLISLE, INDIANA, ASSIGNOR OF ONE-HALF TO C. A. ELLIS, OF SAME PLACE.

STRAW-STACKER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 533,267, dated January 29, 1895.

Application filed January 19, 1894. Serial No. 497,432. (No model.)

To all whom it may concern:

Be it known that I, WILEY BRENTON, a citizen of the United States, residing at Carlisle, in the county of Sullivan and State of Indiana, have invented a new and useful Straw-Stacker Attachment, of which the following is a specification.

This invention relates to straw stacker attachments; and it has for its object to provide a simple, inexpensive, and efficient attachment for ordinary straw stackers, whereby means shall be provided for spreading or scattering the elevated straw or chaff onto the stack, and thereby dispensing with the necessity of men on the stack to scatter or distribute the straw.

To this end the main and primary object of the invention is to secure an attachment of the character noted, which can be readily and conveniently attached to any of the ordinary types of straw stackers, to equip the same with means for positively distributing or scattering the elevated material onto a stack, and in this use the attachment may be adapted to all kinds of elevators where it is necessary to distribute or scatter the material elevated thereby.

With these and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated and claimed.

In the accompanying drawings:—Figure 1 is a side elevation of an ordinary straw stacker equipped with my improved distributing attachment. Fig. 2 is a detail in perspective of the upper end of the inclined elevator of a straw stacker and the attachment connected therewith. Fig. 3 is a longitudinal sectional view of the construction shown in Fig. 2.

Referring to the accompanying drawings, A represents an ordinary straw stacker having the inclined adjustable elevator frame B, through which moves the carrier or belt C, which elevates the straw or chaff onto a stack, and in the present invention, the inclined elevator frame B, is adapted to suitably support in position thereunder the air trunk or spout D.

The air-trunk or spout D, is constructed of suitable material and in the proper size to accommodate the desired blast of air, while at the same time being made sufficiently light as to not add materially to the weight of the stacker. The said air-trunk or spout D, is arranged conveniently under the elevator frame B, and is attached thereto by any suitable connections as E, and the lower end of said air-trunk or spout is connected with the discharge pipe or an ordinary blast fan F, which may be arranged on the stacker frame or in any other convenient position, whereby the same may be operated by suitable belt connections to cause a blast of air to be directed up through the air trunk or spout to the delivering end of the inclined elevator.

The upper end of the closed air trunk or spout D, terminates short of the extreme upper delivering end of the carrier or belt C, and has hinged thereto as at G, the inner edge of the adjustable distributing board H. The distributing board H, is provided with the flanged fender sides I, which confine therebetween the straw which drops onto the distributing board from the upper delivering end of the elevator, and the rear top portion of the said distributing board is covered by a wind-hood J, which causes the blast of air, issuing from the upper end of the air-trunk or spout, to be directed in a line with the disposition of the board H, which is normally held in alignment with the disposition of the air-trunk or spout by the supporting spring K, attached to the under side of the air trunk and having its free end bearing under the said wind-board. A flexible hinge covering L covers the top and sides of the joint between the air-trunk and the hooded inner end of the distributing board H, to prevent the escape of air, while to the outer free end of the said distributing board is attached one end of the adjusting cord M, leading to a convenient point of manipulation whereby the operator can properly adjust the angle of the board H, as the requirement of the stack may demand.

In operation, the straw or chaff is delivered onto the distributing board H, in front of the hood J, and being caught by the blast of air

from the trunk or spout D, is distributed or scattered onto the stack, thereby dispensing with the manual labor ordinarily necessary to spread out or distribute the straw which has been elevated onto the stack.

It is to be understood that the herein-described attachment may be used on all classes of elevators where it is necessary to distribute or scatter the material elevated thereby, and may be modified to be properly attached to such elevators, and, therefore, changes in the form, proportion and the minor details of construction, may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. The combination with an inclined elevator, of a closed air trunk or spout having its upper end disposed under the upper delivering end of said elevator and its other end connected with a blast fan, and an adjustable distributing board connected to the upper end of said trunk or spout, substantially as described.

2. In a straw stacker attachment, the combination with the inclined elevator; of the closed air trunk or spout attached to the under side of said elevator and connected at one end with a suitable blast fan, the other end of said trunk or spout extending near to the upper end of said elevator, and an adjustable hooded distributing board connected to

the upper end of said air trunk or spout, substantially as set forth.

3. The combination with a stacker elevator; of a closed air-trunk suitably arranged beneath said elevator and having its upper end extending near to the delivering end of the same, a blast fan connected with the lower end of said air trunk, an adjustable distributing board disposed directly under the delivering end of said elevator and having a hooded rear top portion, and a flexible hinge covering for the joint between the hooded distributing board and the air trunk or spout, substantially as set forth.

4. The combination with a stacker elevator, of a closed air trunk having its upper end extending near to the delivering end of the elevator and its lower end connected with a suitable blast fan, an adjustable distributing board hinged at its inner edge to the upper end of said trunk and having flanged sides and a top wind-hood, a flexible hinge covering for the joint between the board and trunk, a spring arranged under the distributing board to normally hold the same aligned with the trunk, and an adjusting cord connected to said board, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILEY BRENTON.

Witnesses:

R. L. JENKINS,
MASON BRUNER.