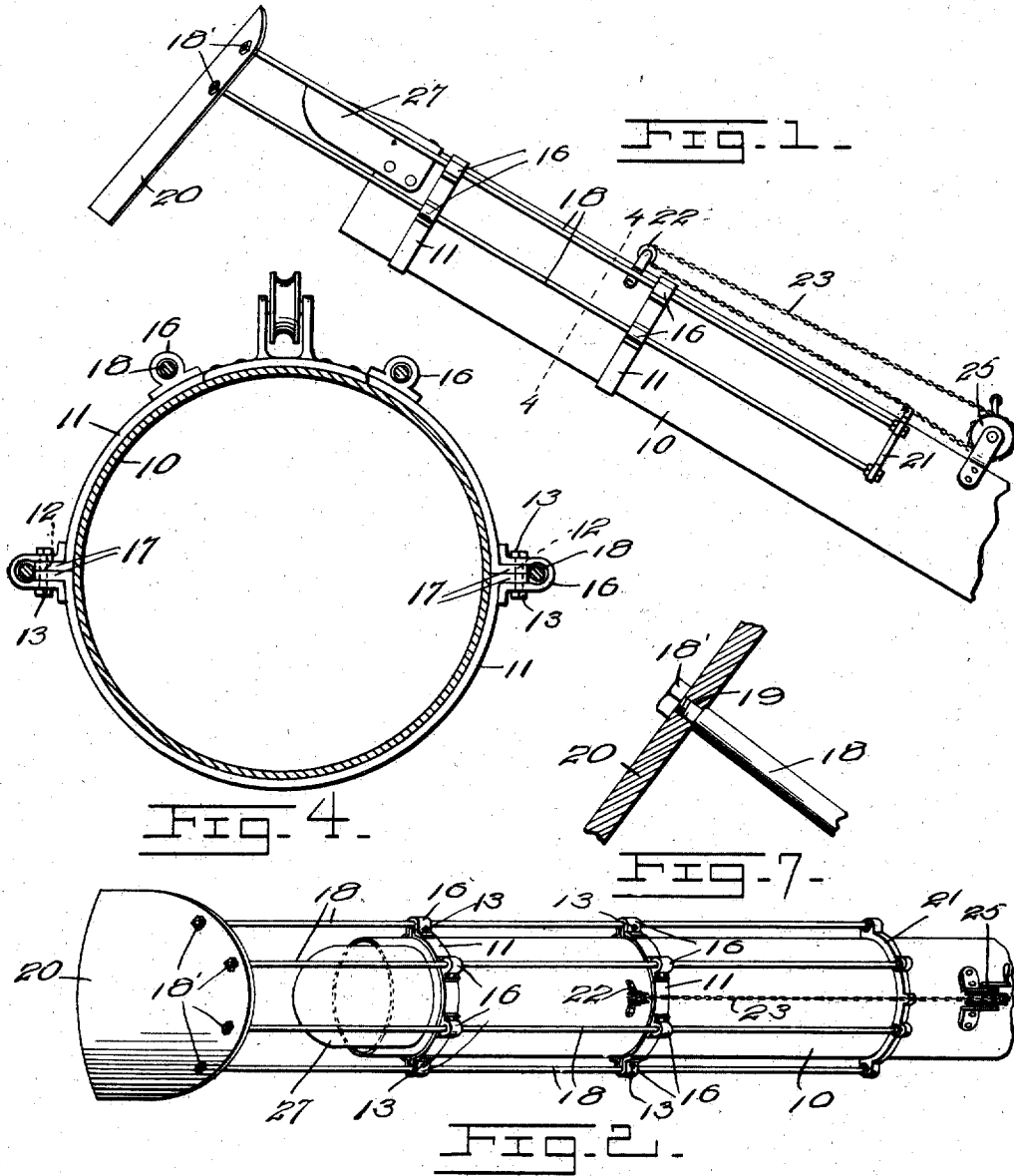


F. L. REISING.
ATTACHMENT FOR PNEUMATIC STACKERS.
APPLICATION FILED NOV. 15, 1909.

994,788.

Patented June 13, 1911.

2 SHEETS-SHEET 1.



Witnesses
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Inventor
Frank L. Reising

By *Howard & Chandler*

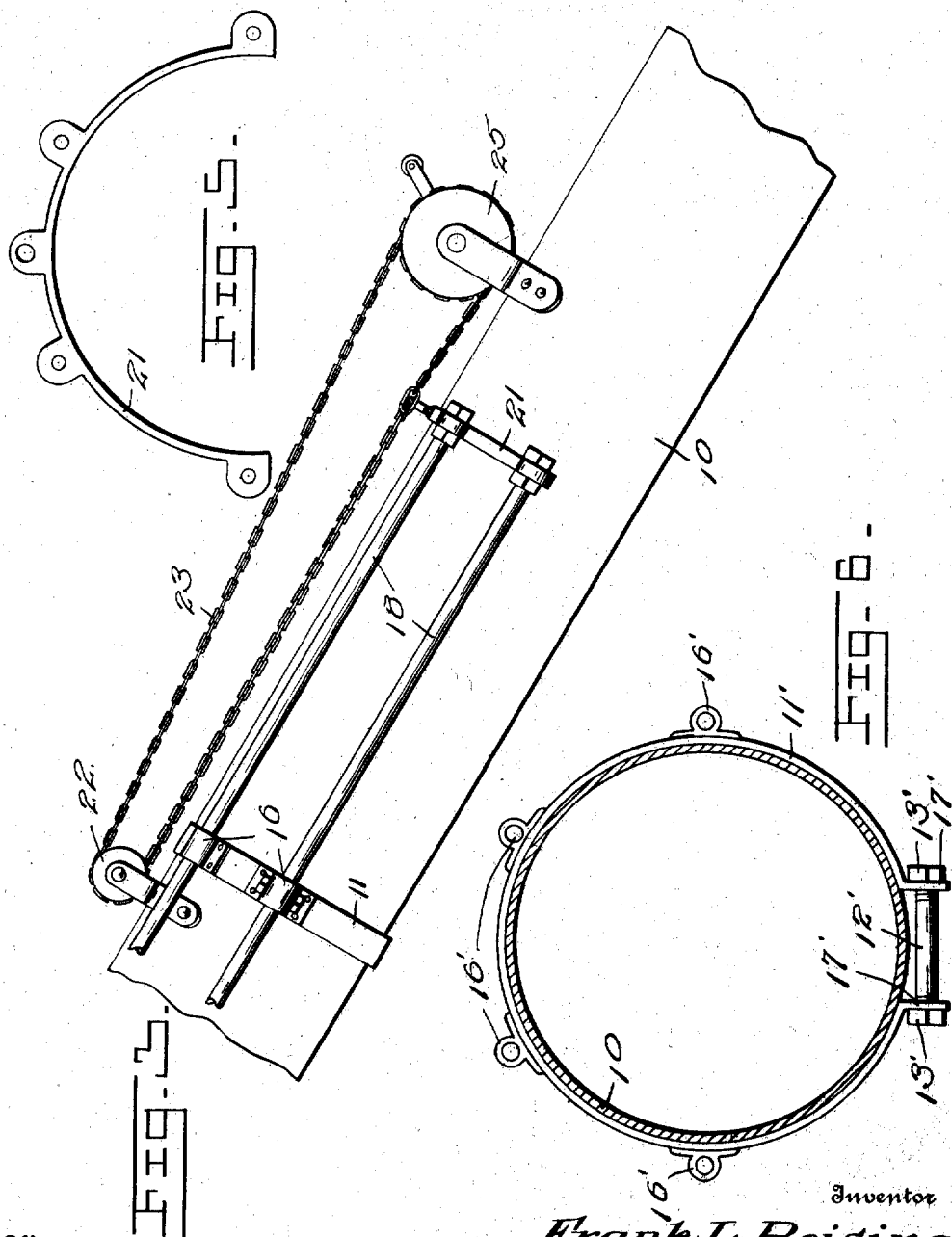
Attorneys

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UNITED STATES PATENT OFFICE.

FRANK L. REISING, OF PIPER CITY, ILLINOIS.

ATTACHMENT FOR PNEUMATIC STACKERS.

994,788.

Specification of Letters Patent. Patented June 13, 1911.

Application filed November 15, 1909. Serial No. 523,212.

To all whom it may concern:

Be it known that I, FRANK L. REISING, a citizen of the United States, residing at Piper City, in the county of Ford and State of Illinois, have invented certain new and useful Improvements in Attachments for Pneumatic Stackers, of which the following is a specification.

This invention relates to pneumatic straw stackers and more particularly to means for preventing material discharged therefrom being scattered.

An important object is to adapt these devices to allow the deposit of straw at points in a wider radius than that obtained by the customary pivoted distributor having a stationary hood whereby the edge portions of a stack may be built up satisfactorily.

A particular object of the invention is to provide a novel form of construction for supporting such a device, which will be adapted for engagement with any of the usual pneumatic stackers already in use.

An important object is to provide such a device which may be manufactured cheaply.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific structure shown and described may be made within the scope of the claim without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of a pneumatic stacker equipped with the present invention, Fig. 2 is a top view thereof, Fig. 3 is a fragmentary detail view showing the lowering and hoisting means, Fig. 4 is a detail cross section of the stacker tube and mechanism on the line 4-4 of Fig. 1, Fig. 5 is a plan of one of the guide yokes, Fig. 6 is a plan of a modified form of yoke, Fig. 7 is a fragmentary section showing the securing means for the hood.

Referring to the drawings, there is shown the stacking tube 10, which may be of any suitable construction, and engaged around the tube in longitudinal spaced relation there are two guide yokes 11 comprising resilient clamp arms engaged around the tube and secured by means of bolts 12 carrying nuts 13. The guide members are formed of metal and have a plurality of spaced guide openings 16 thereon through-

out their length so that they will be spaced peripherally of the tube when the guide is engaged thereon. The extremities of the guides are bent outward and provided with the eye 17 through which the bolt 12 is engaged as shown. It will thus be seen that this construction may be accomplished at a minimum cost, both for material and labor in making. The guide openings of the two guides are disposed in registry longitudinally of the tube, and receive slidably therethrough a plurality of rod members 18 engaged at their upper ends through a series of perforations 19 in the deflector 20 which comprises a slightly convex piece of sheet material projecting some distance beyond the periphery of the tube 10 on the opposite side from the rods 18. The rods have their upper end portions tenoned, threaded and secured by means of the nuts 18' screwed against the deflector, so that the deflector is held securely thereon against longitudinal movement. The lower or inner ends of the rods are securely held in a yoke 21 which holds the rods rigidly against relative longitudinal movement.

Secured to the tube 10 immediately of the guide members 11, there is a pulley 22, around which there is engaged a chain 23 secured to the yoke 21 and extending downwardly around a drum 25 provided with a suitable crank, thence upwardly where it is again engaged with the yoke 21. It will be seen that by operation of the crank the device may be either hoisted or lowered as desired for deflection of straw passing through the tube, at various distances from its mouth. The drum is carried upon a suitable support which may be fastened to the tube as illustrated when the delivering tube extends from the bottom of a machine near the ground convenient to the hand of an operator.

From the foregoing it will be seen that by means of the guide clamps 11 the device may be attached to any tubular stacking member, and by means of the cranked drum 25 the straw may be delivered longitudinally at various distances from the pipe, which in combination with the pivotal movement of the pipe, enables the distribution of the straw over a stack in an even manner obviating the necessity for the use of manual labor in such work. To protect the rods 18 from being clogged by straw, a supplementary hood 27 is carried by the tube

which serves to deflect the straw initially at a slight angle from the tube so that it does not engage against the rods.

What is claimed is:

- 5 The combination with the spout of a pneumatic stacker having a deflecting lip secured to the upper edge of the mouth thereof, of sectional bands disposed in parallel relation around said spout, said sections having
10 their abutting ends directed outwardly and provided with registering openings, yokes disposed over said abutting ends and providing guide ways between said outwardly directed ends and the curved portion of the

yokes, bolts passing through said yokes and 15 the outwardly directed ends, and to hold the said ends together, additional guides secured to one of said sections, rods slidable through said guides and yokes, a deflector plate on the upper ends of said rods, and 20 means on the spout for moving said rods through said guides and yokes.

In testimony whereof I affix my signature, in presence of two witnesses.

FRANK L. REISING.

Witnesses:

J. C. CULBERTSON,
L. D. JACKSON.