

No. 742,669.

PATENTED OCT. 27, 1903.

J. N. KAILOR.
HOOD FOR PNEUMATIC STACKERS.

APPLICATION FILED JUNE 15, 1903.

NO MODEL.

Fig. 1.

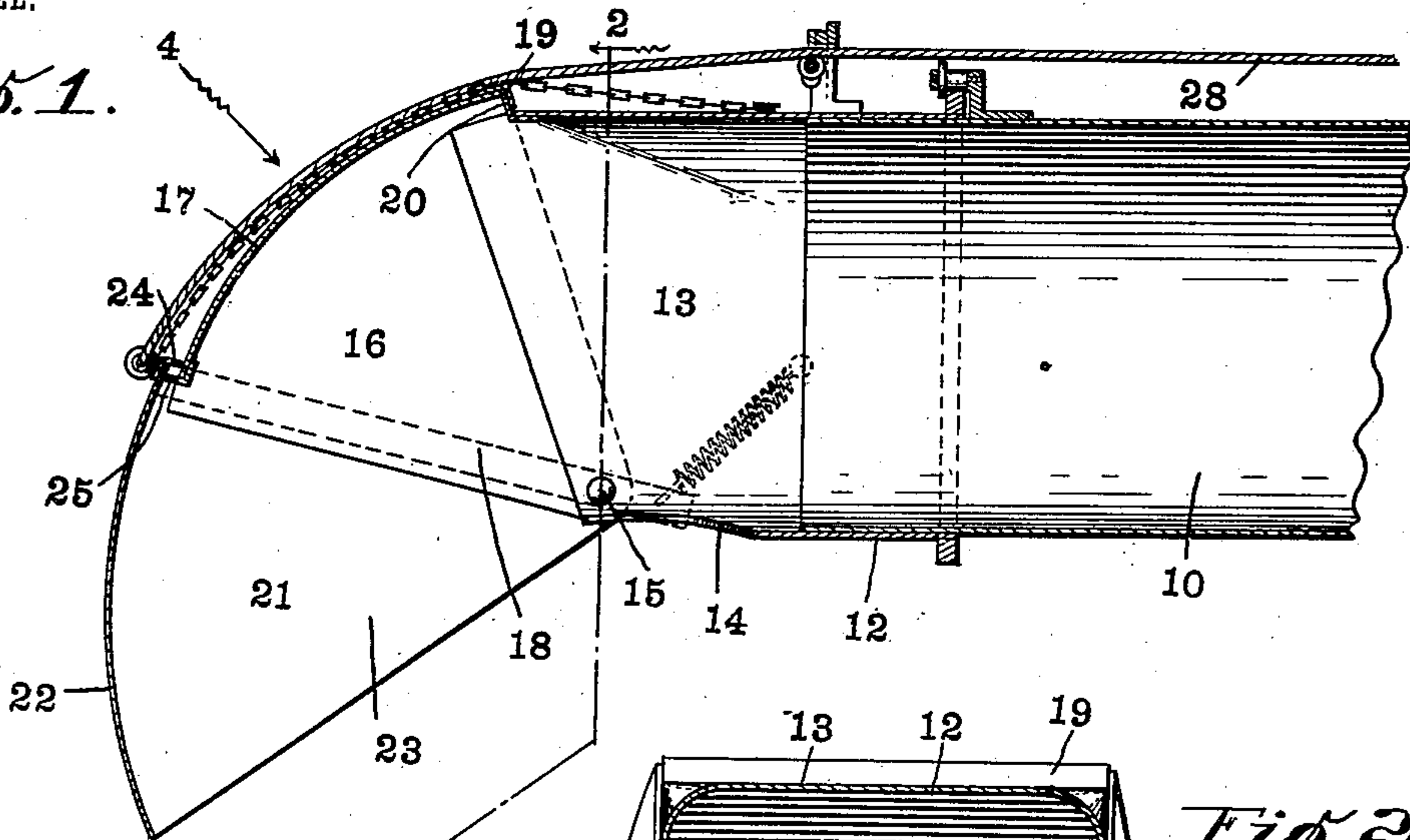


Fig. 2.

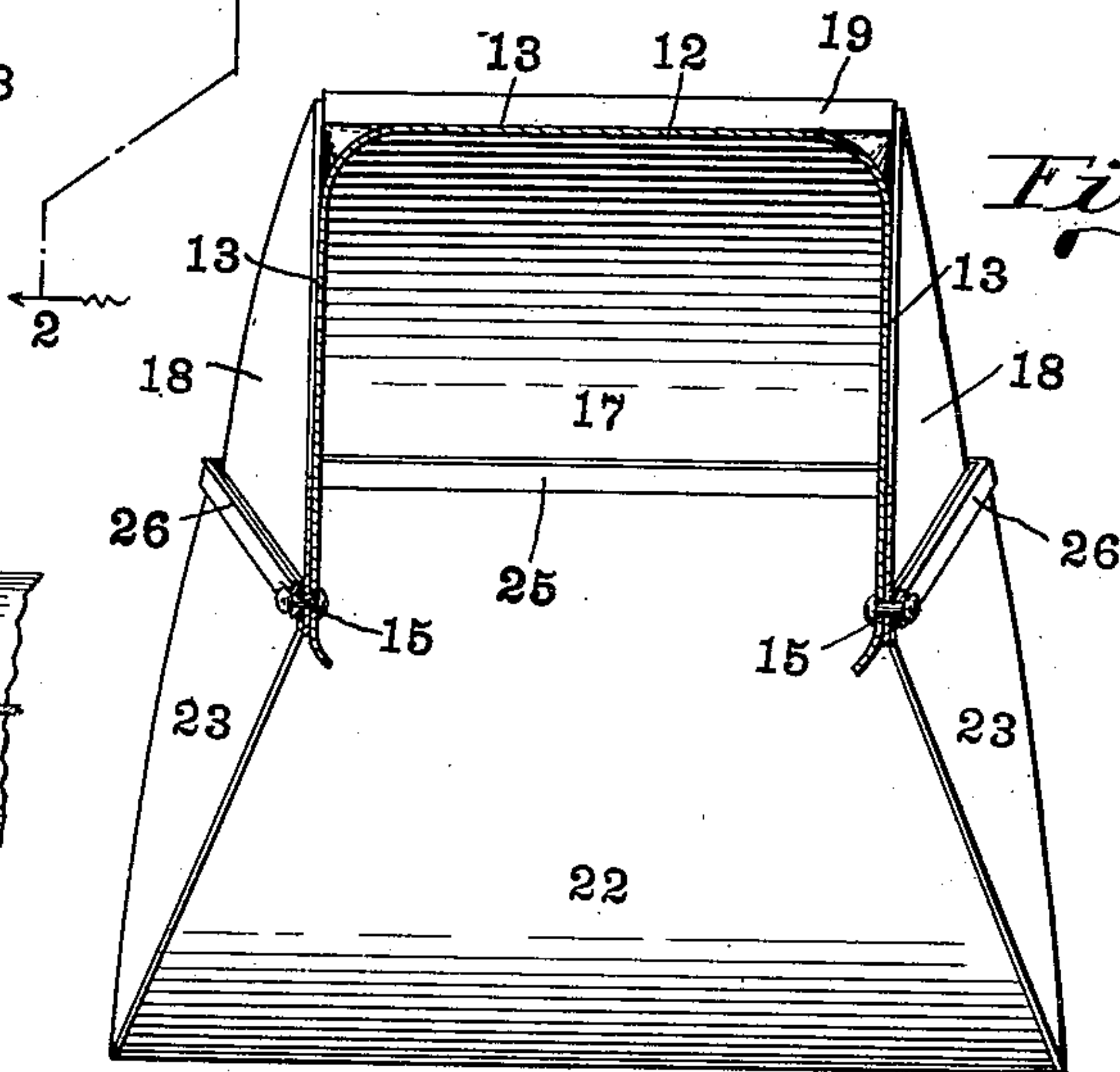


Fig. 4.

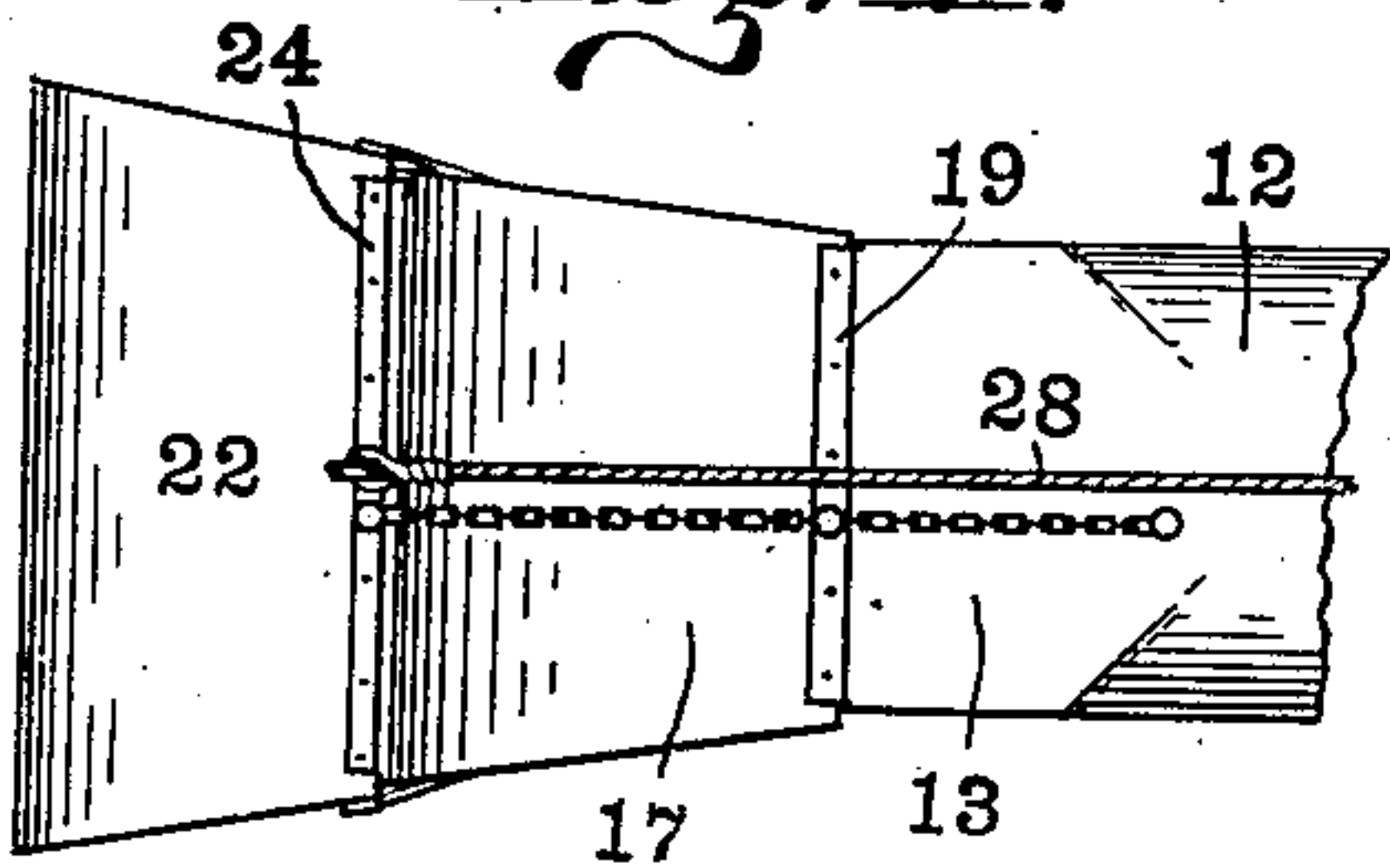
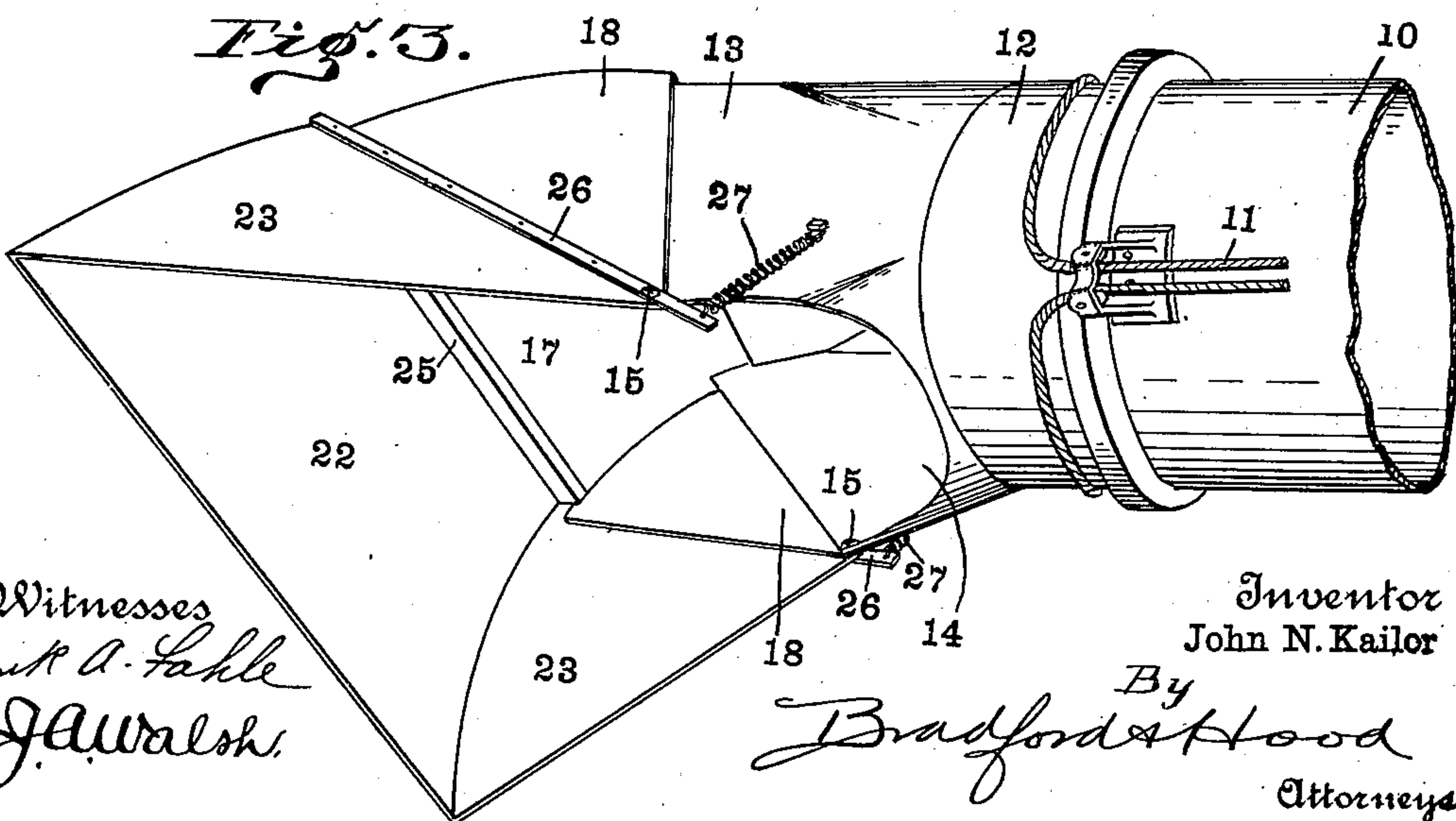


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN N. KAILOR, OF COLUMBUS, INDIANA, ASSIGNOR TO REEVES & COMPANY, OF COLUMBUS, INDIANA, A CORPORATION OF INDIANA.

HOOD FOR PNEUMATIC STACKERS.

SPECIFICATION forming part of Letters Patent No. 742,669, dated October 27, 1903.

Application filed June 15, 1903. Serial No. 161,561. (No model.)

To all whom it may concern:

Be it known that I, JOHN N. KAILOR, a citizen of the United States, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented certain new and useful Improvements in Hoods for Pneumatic Stackers, of which the following is a specification.

In the operation of pneumatic stackers there is a tendency by reason of the small size of the discharge end of the stacker-tube for the blast of air to bore a hole into the stack during the formation of the stack; and the object of my invention is to provide a discharge-hood of such form that the blast of air may spread out as it leaves the tube, and thus have a greater tendency to deposit the outcoming straw more evenly upon the stack.

The accompanying drawings illustrate my invention.

Figure 1 is an axial section; Fig. 2, a section on line 2 2 of Fig. 1; Fig. 3, a perspective with the hood turned to a point where its discharge-opening is upward; and Fig. 4 a view of the parts shown in Fig. 1 looking in the direction indicated by the arrow 4, this figure being on a considerably reduced scale.

In the drawings, 10 indicates the outer end of the outer tube-section, and journaled upon the said end, so as to be rotatable about tube 10 by means of a cable 11 in the usual well-known manner, is a section 12, the outer end of which is squared, as at 13, with the under side cut out, as at 14. Pivoted at 15 to the squared end 13 of the section 12 is a section 16, consisting of a curved top 17 and V-shaped ends 18 18. Top 17 at its rear end is very much narrower than at its forward end, as is clearly shown in Fig. 4, so that the sides 18 diverge from the axis of the tube, and said top 17 carries at its rear end an in-turned lip 19, adapted to engage a similar lip 20, carried by section 12, and thus limit the downward or outward movement of the section 16. Similarly there is pivoted to pivot 15 a third section 21, which is composed of a trapezoidal arc-shaped top 22 and triangular ends 23 23, the outer edge of the top 22 being

considerably longer than the inner edge, as shown in Fig. 4, so that the sides 23 diverge from the axis of the tube. Top 22 carries at its rear edge a lip 24, which is adapted to come to a stop against a similar lip 25, carried by the outer edge of top 17. The inner edges of sides 23 are reinforced by arms 26 26, which extend beyond pivot 15 and to the extensions of which are attached springs 27, which serve to normally maintain the several parts in the position shown in the drawings. The several sections may be retracted by means of the cable 28, attached to the outer section 21 in the usual manner.

I am aware that it is common in this art to provide a hood consisting of a plurality of somewhat similar sections pivoted together; but so far as I am aware no such hood has ever been made in which the several sections increase in width toward the outer end, whereby the discharge-mouth of the hood is of considerably greater width than the discharge end of the tube to which the hood is attached.

I claim as my invention—

1. In a hood for stacker-tubes, the combination, with an inner section, of an outer section pivoted thereto, said section consisting only of top and sides diverging from the axis of the tube.

2. In a hood for stacker-tubes, the combination, with an inner section, of an outer section, a third section pivoted to the other sections each of said two last-mentioned sections consisting of a top and sides the sides of which diverge from the axis of the tube.

3. A hood for stacker-tubes consisting of an inner section 12, an intermediate section composed of top 17 and flaring sides 18, and an outer section composed of top 22 and flaring sides 23, substantially as and for the purpose set forth.

In witness whereof I have hereunto set my hand and seal, at Columbus, Indiana, this 10th day of June, A. D. 1903.

JOHN N. KAILOR. [L. S.]

Witnesses:

HELEN J. HALBERT,
BERTHA L. HARRISON.