(No Model.)

D. B. FISK.

THRASHING MACHINE ELEVATOR.

No. 326,964. Patented Sept. 29, 1885.

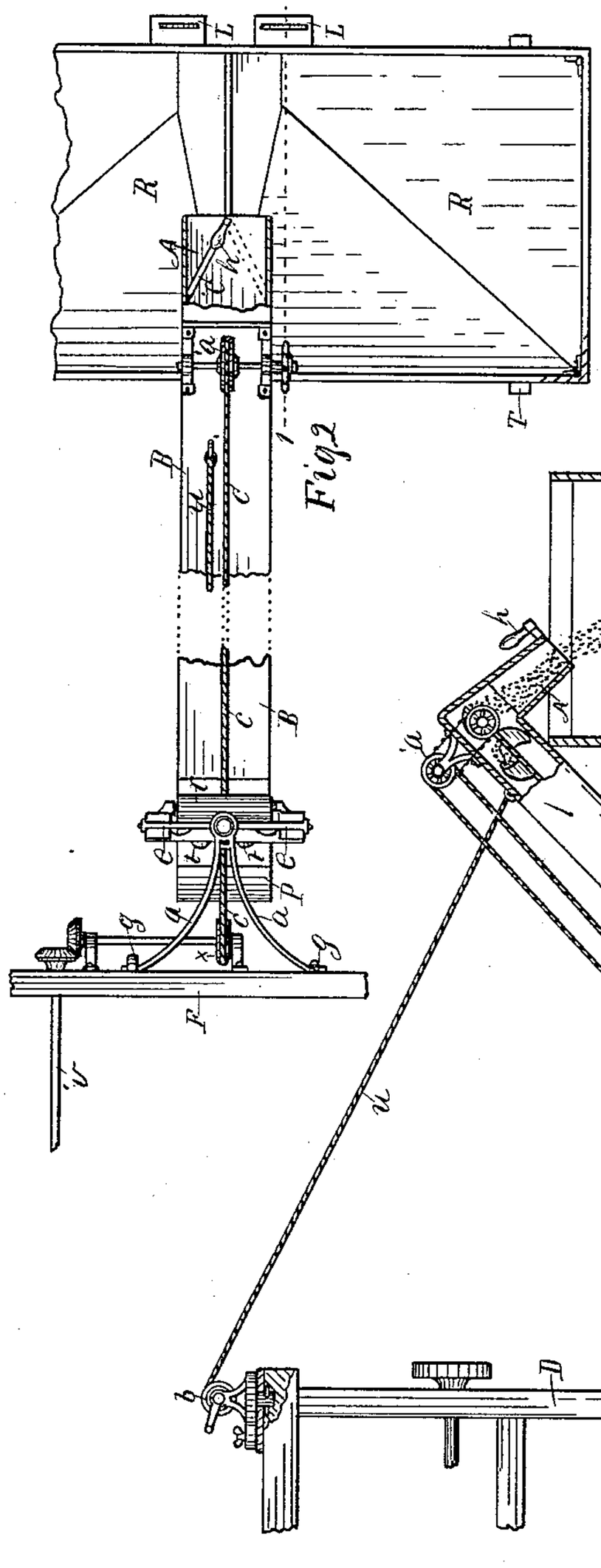

Fig 2

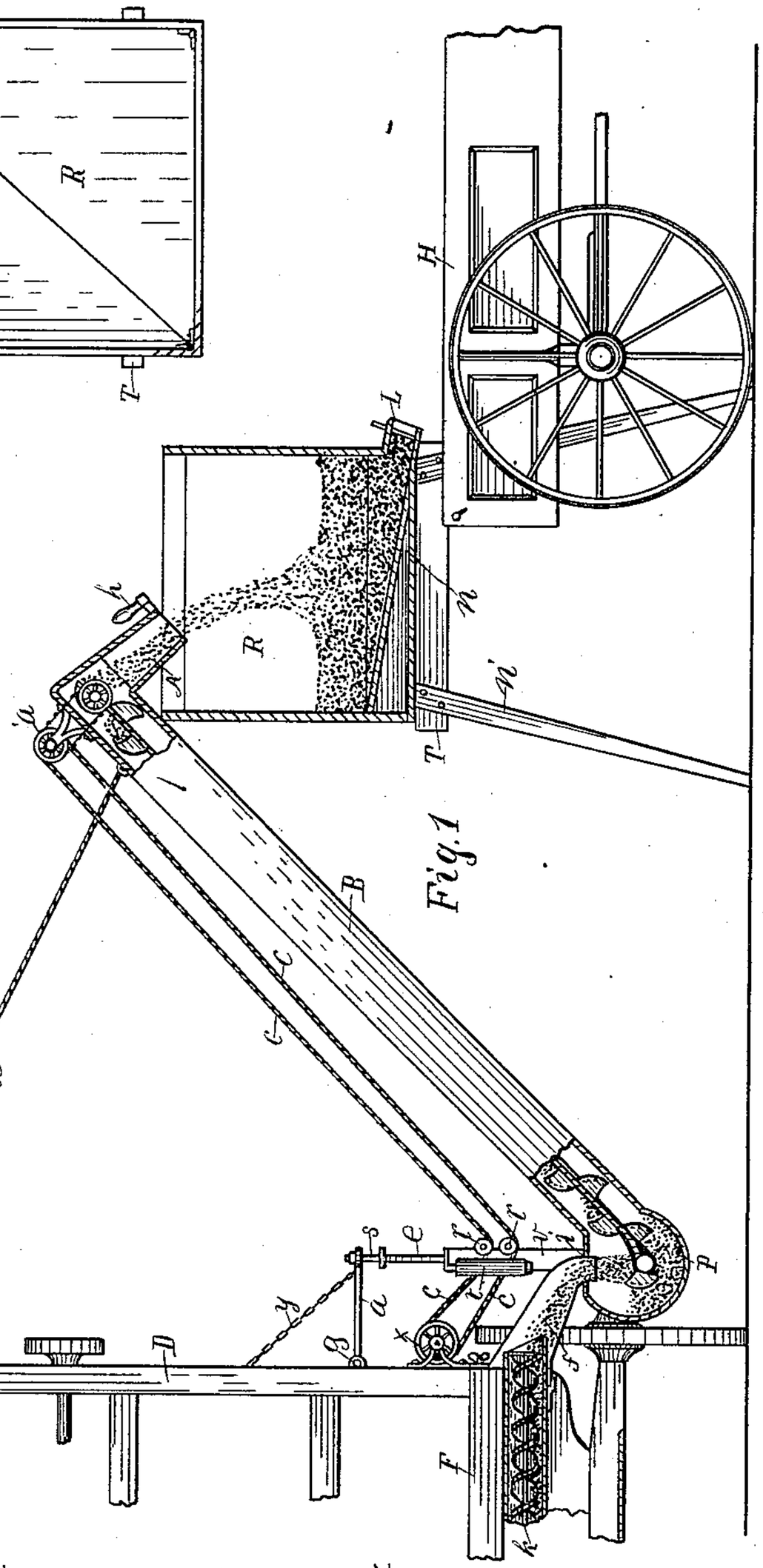

Fig. 1

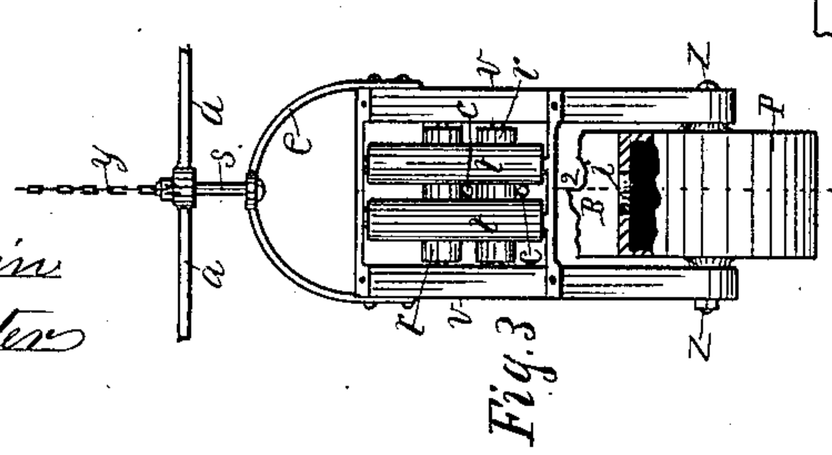

Fig. 3

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THRASHING-MACHINE ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 326,964, dated September 29, 1885.

Application filed April 29, 1884. Renewed August 10, 1885. (No model.)

To all whom it may concern:

Be it known that I, DARWIN B. FISK, a citizen of the United States, residing at Kalamazoo, in the county of Kalamazoo and State of Michigan, have invented certain new and useful Improvements in Thrashing-Machine Elevators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of side view of elevator and sectional views of grain-box and lower end of elevator, taken on dotted lines 1 1, Fig. 2, and 2 2, Fig. 3. Fig. 2 is a top view of elevator and grain-box. Fig. 3 is an end view of lower end of elevator.

My invention relates to thrashing-machine elevators for conveying grain from a separator to a wagon or other suitable receptacle.

B, Fig. 1, represents a side view of elevator. *k* represents the usual way of conveying grain from separator D. *f* is an auxiliary spout, and under it, suspended by means of side bars, *v v*, bail *e*, swivel-bolt *s*, and braces *a a*, attached to separator by means of eyebolts *g g*, supported by chain *y*, the receiving end of elevator B, as shown at P, Fig. 1.

The manner of operating elevator is shown in Fig. 1. The belt *c c* is driven by the pulley *x*, which is attached to the separator, the belt passing between rollers *t t* and under rollers *r r*, which are supported by the side bars, *v v*, thence to the pulley *a'* at the top of elevator, which operates the buckets conveying the grain. The rollers *t t* allow a horizontal adjustment of elevator without materially affecting length of belt *c c*, and the rollers *r r* allow a vertical adjustment of elevator without materially affecting length of belt *c c*.

The elevator is pivotally and detachably connected to separator, pivoted so as to move horizontally by means of bail *e*, swivel-bolt *s*, braces *a a*, and auxiliary spout *f*, which serves to steady receiving end of elevator; also a pivotal bearing for the same, and is pivoted so as to move vertically by means of side bars, *v v*, and rod *z*, and is adjusted to any height needed by means of rope *u*, attached to elevator B near the discharging end, and to windlass *b*, attached to the separator D.

The discharging-spout A, at top of elevator, is provided with an adjustable partition, (shown at *c'*, Fig. 2,) and is operated by handle *h*, for the purpose of filling either compartment of grain-box R R, which is provided with spouts L L for filling wagon-box or other suitable receptacle, and is supported by trestles T T. The grain-box R R is hinged at corners, and has a portable bottom, so that it may be folded for convenience of transportation.

The elevator may be attached to either side of the separator or thrashing-machine.

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

1. The combination of the side bars, *v v*, pivotally attached to elevator B, provided with vertical rollers *t t* and horizontal rollers *r r* for guiding belt *c c*, the bail *e*, and swiveled bolt *s*, pivotally suspending elevator to braces *a a*, attached to separator, as described and shown.

2. The combination of the auxiliary spout *f* with the elevator B, the side bars, *v v*, bail *e*, and swiveled bolt *s*, for the purpose of holding the lower end of elevator steady when operated vertically or horizontally, as described and shown.

3. In combination with elevator B, side bars, *v v*, bail *e*, swiveled bolt *s*, the spout A at the discharging end of elevator, provided with an adjustable partition, *c'*, for the purpose of directing the flow of grain to either compartment of grain-box R R, as shown and described.

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

DARWIN B. FISK.

Witnesses:
BURR BANNISTER,
JOHN C. PERKINS.