(No Model.) 3 Sheets—Sheet 1.

M. M. SUPPES.

CONVEYER.

No. 569,681. Patented Oct. 20, 1896.

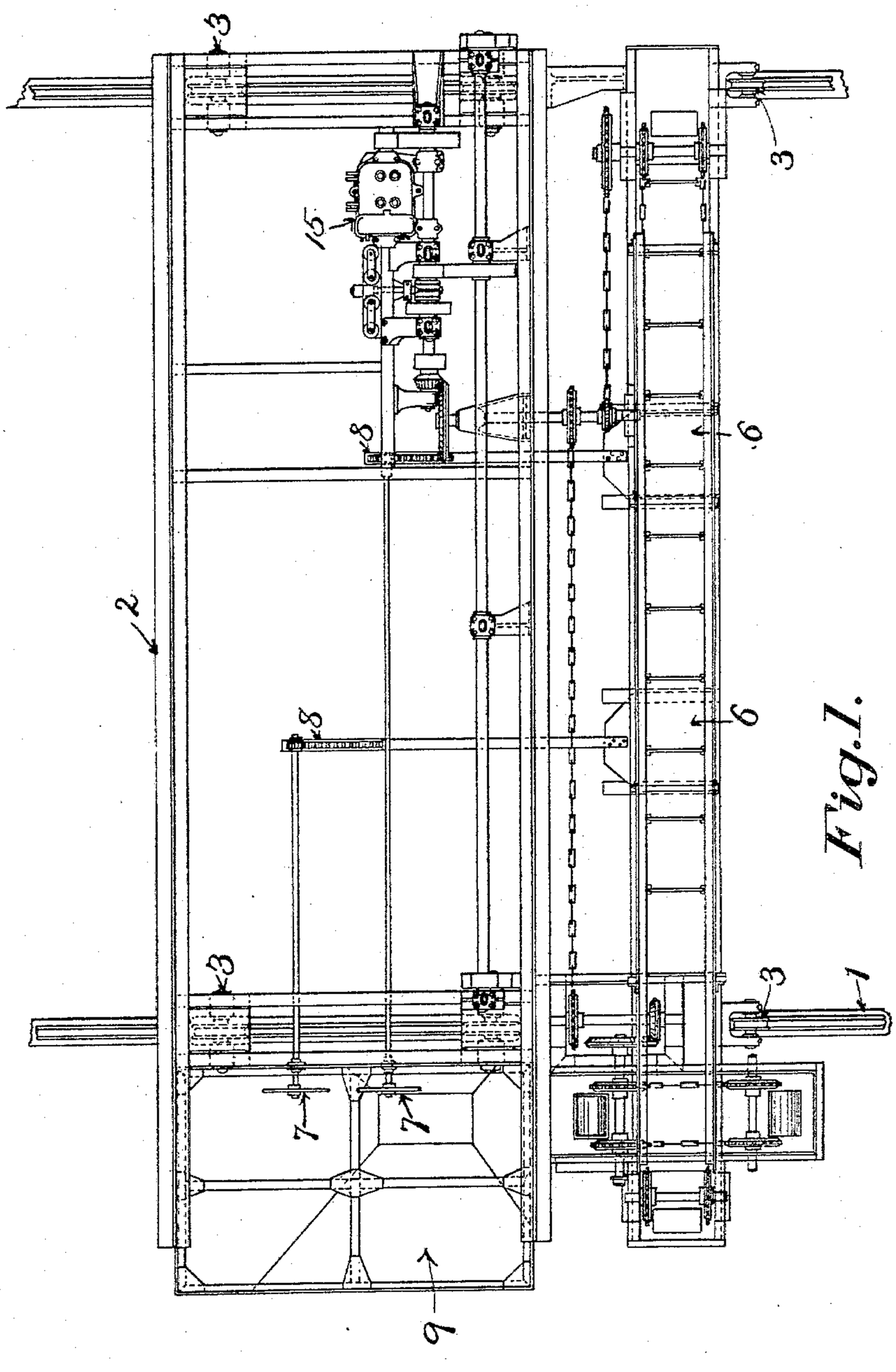

Fig. 1.

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(No Model.) 3 Sheets—Sheet 2.

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CONVEYER.

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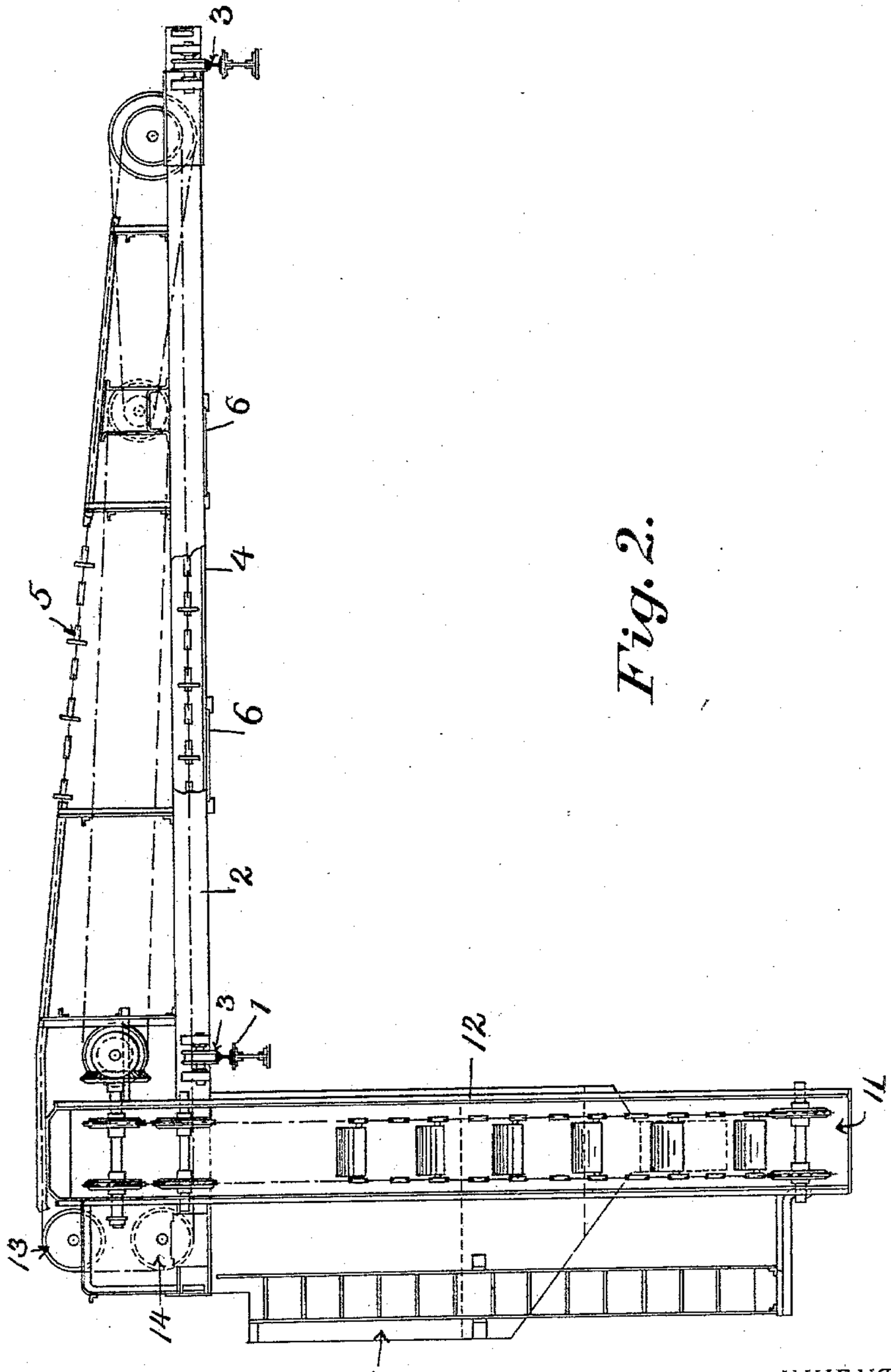

Fig. 2.

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(No Model.) 3 Sheets—Sheet 3.

M. M. SUPPES.

CONVEYER.

No. 569,681. Patented Oct. 20, 1896.

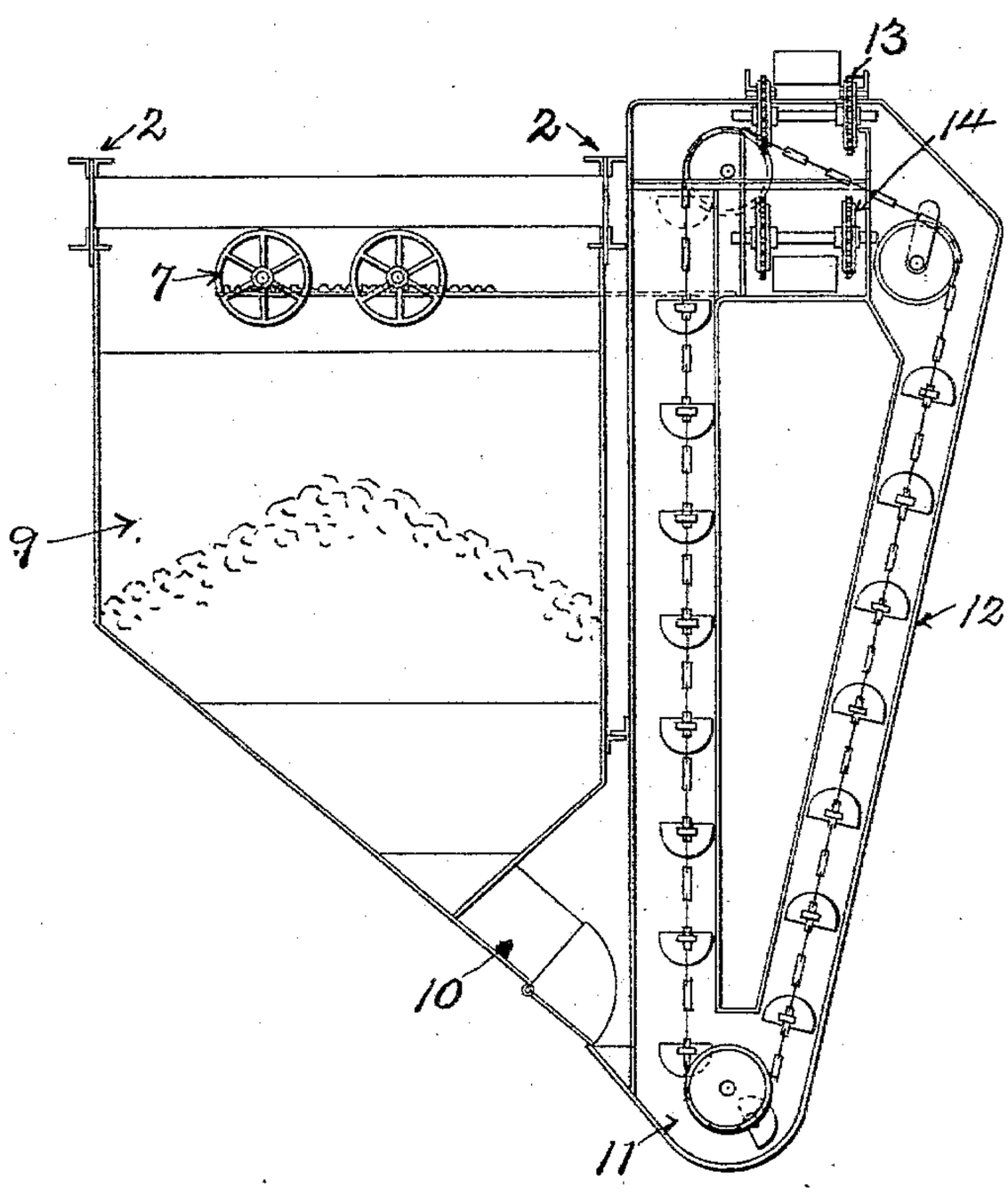

Fig. 3.

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UNITED STATES PATENT OFFICE.

MAXIMILIAN M. SUPPES, OF LORAIN, OHIO.

CONVEYER.

SPECIFICATION forming part of Letters Patent No. 569,681, dated October 20, 1896.

Application filed June 25, 1896. Serial No. 596,855. (No model.)

To all whom it may concern:

Be it known that I, MAXIMILIAN M. SUPPES, of Lorain, county of Lorain, Ohio, have invented certain new and useful Improvements in Conveyers, of which the following specification is a true and exact description, due reference being had to the accompanying drawings.

My invention relates to certain improvements in conveyers, such as are used in distributing coal, grain, or other similar material from a point of supply to bins, hoppers, or other receptacles.

The object of my invention is to provide a conveyer that shall perform this work in a more economical and efficient manner than has been heretofore done.

Referring to the drawings, Figure 1 is a general top view of a conveyer embodying my invention. Fig. 2 is a side view, and Fig. 3 an end view, of same.

1 is a suitable track arranged along the line the conveyer is to travel, and 2 is a frame arranged to travel upon this track, being supported thereon by wheels 3. On this frame is the horizontal conveyer composed of the trough 4 and the chain and scrapers 5. In the bottom of the trough 4 are suitable gates 6. These are placed so as to discharge in the hoppers or other receptacles beneath. These gates are operated by suitable means, as the hand-wheels 7 and racks and pinions 8.

At one end of the frame is the bin 9. This bin is charged from some stationary source of supply, as directly from a car on a siding or by means of a stationary elevator. At the bottom of this bin is the chute 10, adapted to deliver the material into the pocket 11. Another conveyer 12 is so arranged as to remove this material from this pocket and elevate it to a point above and at one end of conveyer 5. The meeting ends of these conveyers I arrange as follows: The incoming and outgoing portions of conveyer 5 are separated from each other by employing two guide-wheels 13 and 14 a sufficient distance apart to allow the conveyer 12 to pass between the two parts. In this manner the conveyer 12 is adapted to deliver the material into trough 4, along which it is carried by scrapers 5 to the gate 6, through which it passes to the hopper beneath.

The several parts are operated by the motor 15, operating through the necessary sprocket-chains and gearing, all as shown. This motor may be of a kind using electricity, steam, or other suitable power.

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

1. In a conveyer of the class described, in combination a horizontal frame movable upon a track, a horizontal conveyer upon said frame, a pocket carried by said frame and at a distance below the horizontal conveyer, a vertical conveyer passing through said horizontal conveyer, their axes being at right angles to each other, said vertical conveyer being adapted to remove the material from the pocket and deliver it to the horizontal conveyer, and means carried by the traveling frame adapted to operate the several parts.

2. In a conveyer of the class described, in combination, the frame 2 adapted to travel upon track 1, the horizontal conveyer 5 carried by the frame, the bin 9, the chute 10 adapted to convey material from bin 9 to pocket 11, the vertical conveyer 12 arranged at one end of conveyer 5 to remove material from pocket 11 and deliver it to conveyer 5, the gates 6 in the trough 4 and motor 15 adapted to operate the several parts.

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

MAXIMILIAN M. SUPPES.

Witnesses:

GEORGE M. FERGUSON,

JOHN T. HUNTINGTON.