

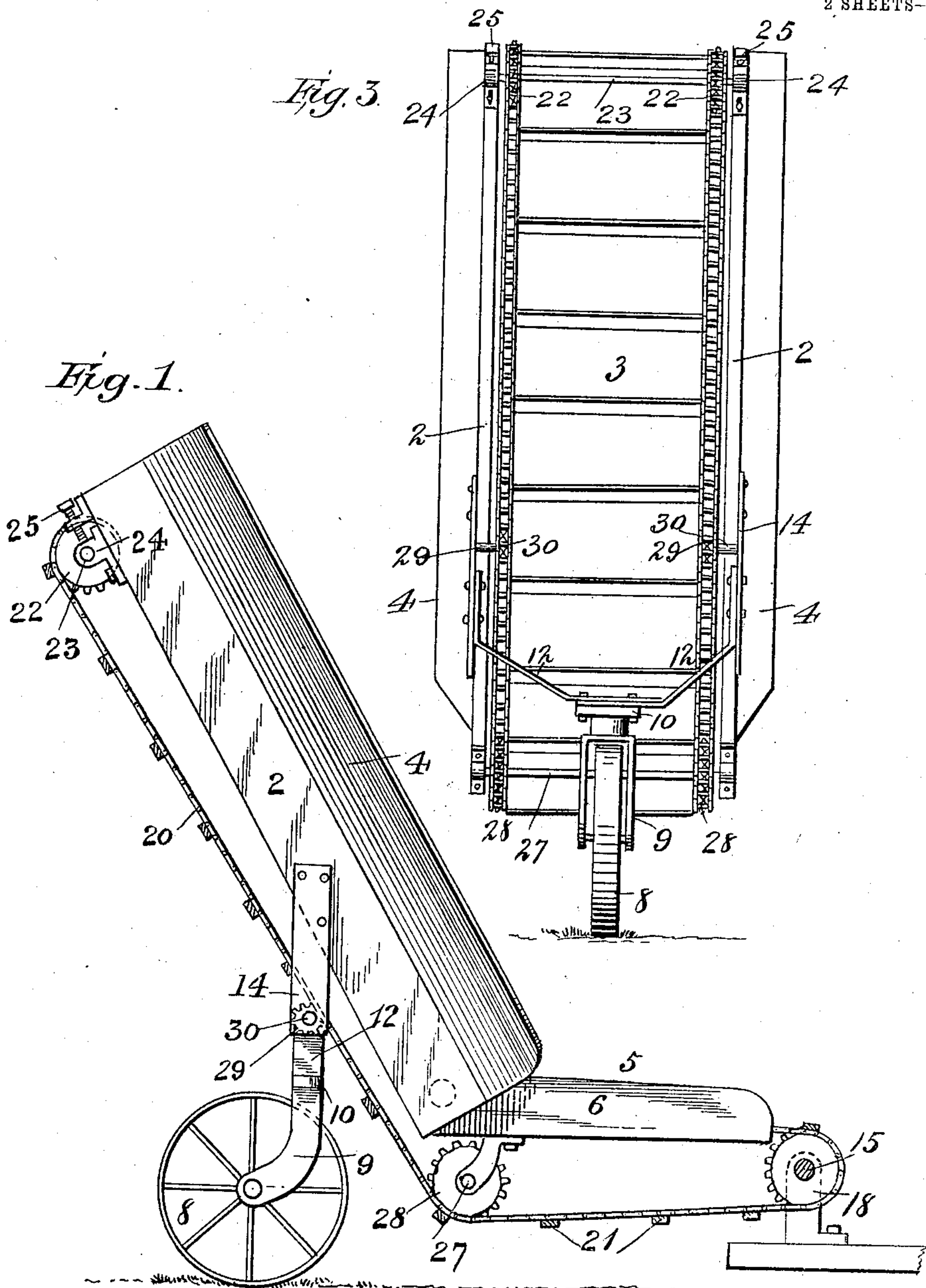
No. 810,739.

PATENTED JAN. 23, 1906

F. A. R., H. C. & O. L. FIEBACH.
CORN FODDER ELEVATOR AND LOADER.

APPLICATION FILED JUNE 22, 1905.

2 SHEETS--SHEET 1.



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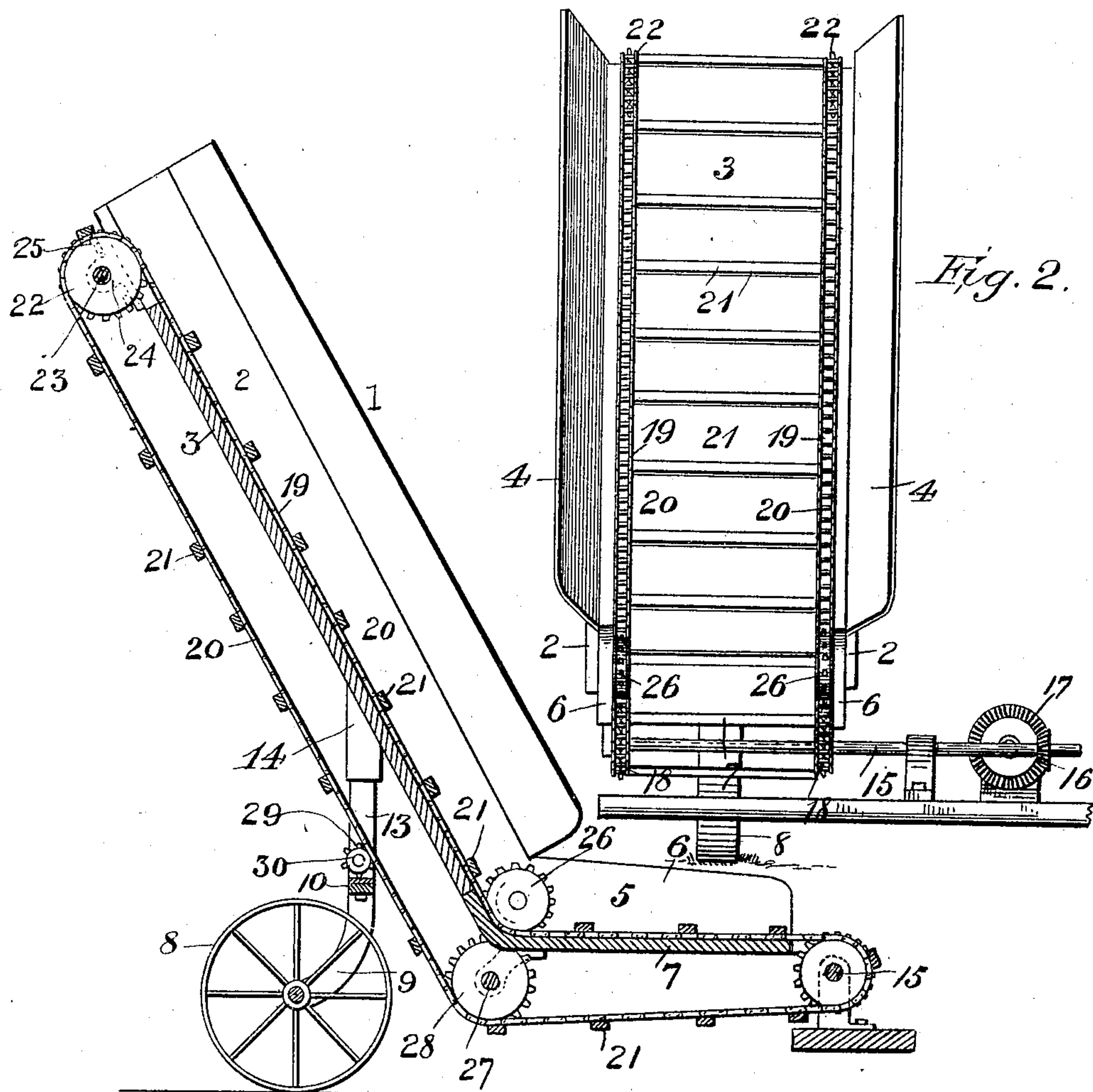


Fig. 1.

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UNITED STATES PATENT OFFICE.

FRANK AUGUST REINHOLDT FIEBACH, HENRY CHRISTIAN FIEBACH, AND
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CORN-FODDER ELEVATOR AND LOADER.

No. 810,739.

Specification of Letters Patent.

Patented Jan. 23, 1906.

Application filed June 22, 1905. Serial No. 266,479.

To all whom it may concern:

Be it known that we, FRANK AUGUST REINHOLDT FIEBACH, HENRY CHRISTIAN FIEBACH, and OTTO LORENZ FIEBACH, citizens of the United States, residing at London, in the county of Jefferson and State of Wisconsin, have invented certain new and useful Improvements in Corn-Fodder Elevators and Loaders; and we do 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.

This invention relates to improvements in corn-fodder elevators and loaders.

The object of the invention is to provide a device of this character adapted to be attached to the frame of a corn-binder and to be operated by said binder to take the bound bundles of fodder from the same and to elevate and deposit said bundles into a wagon or other receptacle which is moved along beside the binder.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of the elevator, showing the same attached to a portion of the binder-frame. Fig. 2 is a front elevation. Fig. 3 is a rear elevation, and Fig. 4 is a vertical longitudinal sectional view of the same.

Referring more particularly to the drawings, 1 denotes the elevator, which consists of a frame having longitudinally-disposed side bars 2 and a bottom 3. To the upper edges of the side bars 2 are connected outwardly-inclined fender-boards 4. To the lower end of the side bars 2 is pivotally connected a horizontally-disposed frame 5, said frame having side boards 6 and a bottom 7. The frame 5 is adapted to be connected to the rear end of a corn-binder frame in such position that the elevator-frame will extend or project outwardly from the side of the binder, as shown.

The elevator 1 is supported in an inclined position by means of a caster-wheel 8, journaled in forks 9, which are secured to a head 10. The head 10 is pivotally connected to or swiveled in the lower end of a supporting-frame provided with upwardly-projecting

bars 13. The upper ends of these bars 13 are connected to depending bars 14, secured to the side bars 2 of the elevator-frame.

On the frame of the binder is journaled a drive-shaft 15, on the forward end of which is secured a miter gear-wheel 16, which is adapted to mesh with a gear-wheel 17 on the driving mechanism of the binder, whereby the shaft 15 is driven. On the rear portion of the shaft 15 is secured a pair of sprocket-wheels 18, said wheels being arranged adjacent to the end of the frame 5 and around the same, and driven thereby is an endless conveyer 19, consisting of the sprocket-chains 20, connected together by cross bars or slats 21. The chains 20 of the conveyer are adapted to pass around sprocket-wheels 22, which are mounted upon a shaft 23, journaled in brackets 24, adjustably mounted on the upper ends of the side bars 2 of the elevator-frame. The brackets 24 may be adjustably connected to the elevator-frame in any suitable manner, but are preferably provided with threaded openings through which a screw-bolt 25 is adapted to be passed, said bolt being swiveled in castings secured to the upper ends of the side bars 2, whereby when said bolts 25 are turned the bearing-brackets 24 will be adjusted up or down, thus changing the position of the shaft 23 and sprocket-wheel 22 and permitting the conveyer to be tightened or loosened at will.

On the pivot bolt or shaft which connects the horizontal frame 5 with the lower end of the elevator-frame 1 are journaled sprocket-wheels 26, under which the chains 20 of the endless conveyer are adapted to pass and by which said conveyer is guided and held in position on the upper side of the elevator-frame. On the under side of the frame 5, adjacent to the lower end of the elevator-frame 1, is journaled a shaft 27, on which are mounted guide sprocket-wheels 28, around which the lower stretch of the conveyer is adapted to pass and by which the same is guided from the elevator-frame 1 to the frame 5. On the bars 14 of the caster-wheel frame 12 are secured inwardly-projecting stub-shafts 29, on which are journaled guide sprocket-wheels 30, over which the lower stretch of the conveyer-chains are adapted to pass. The said sprockets 30 form a support for the lower stretch of the conveyer-chains to prevent undue sagging of the same.

The elevator-frame is suitably braced to the ends of the frame and is otherwise rigidly secured thereto to permit said elevator to be moved with the binder, the conveyer mechanism on said elevator being adapted to receive the bound bundles of corn-fodder from the binding mechanism and to elevate said corn and to deposit or discharge the same at the upper end of the frame 2 into a wagon which is drawn along beside the binder.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various 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 our invention, what we claim as new, and desire to secure by Letters Patent, is—

A portable elevator of the character described comprising an inclined upwardly-projecting frame 1, a horizontally-disposed frame

5 pivotally connected to the lower end of said inclined frame, said horizontal frame being adapted to be secured to the frame of a corn-binder, a supporting-frame 9, 13, 14 secured to the lower side of said inclined frame, a cast-30 wheel pivotally mounted in said supporting-frame, a drive-shaft journaled in the binder-frame adjacent to the end of the horizontal elevator-frame, sprocket-wheels fixed on said shaft, a shaft journaled in the upper end of said inclined frame, sprocket-wheels fixed on said shaft, an endless conveyer arranged on said elevator-frames and driven by the sprocket-wheels on said drive-shaft, and means to guide said conveyer over said frames, substantially as described. 35 40

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

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