

(No Model.)

W. BELTZ.

BUNDLE CARRIER FOR HARVESTERS.

No. 330,459.

Patented Nov. 17, 1885.

FIG. 1.

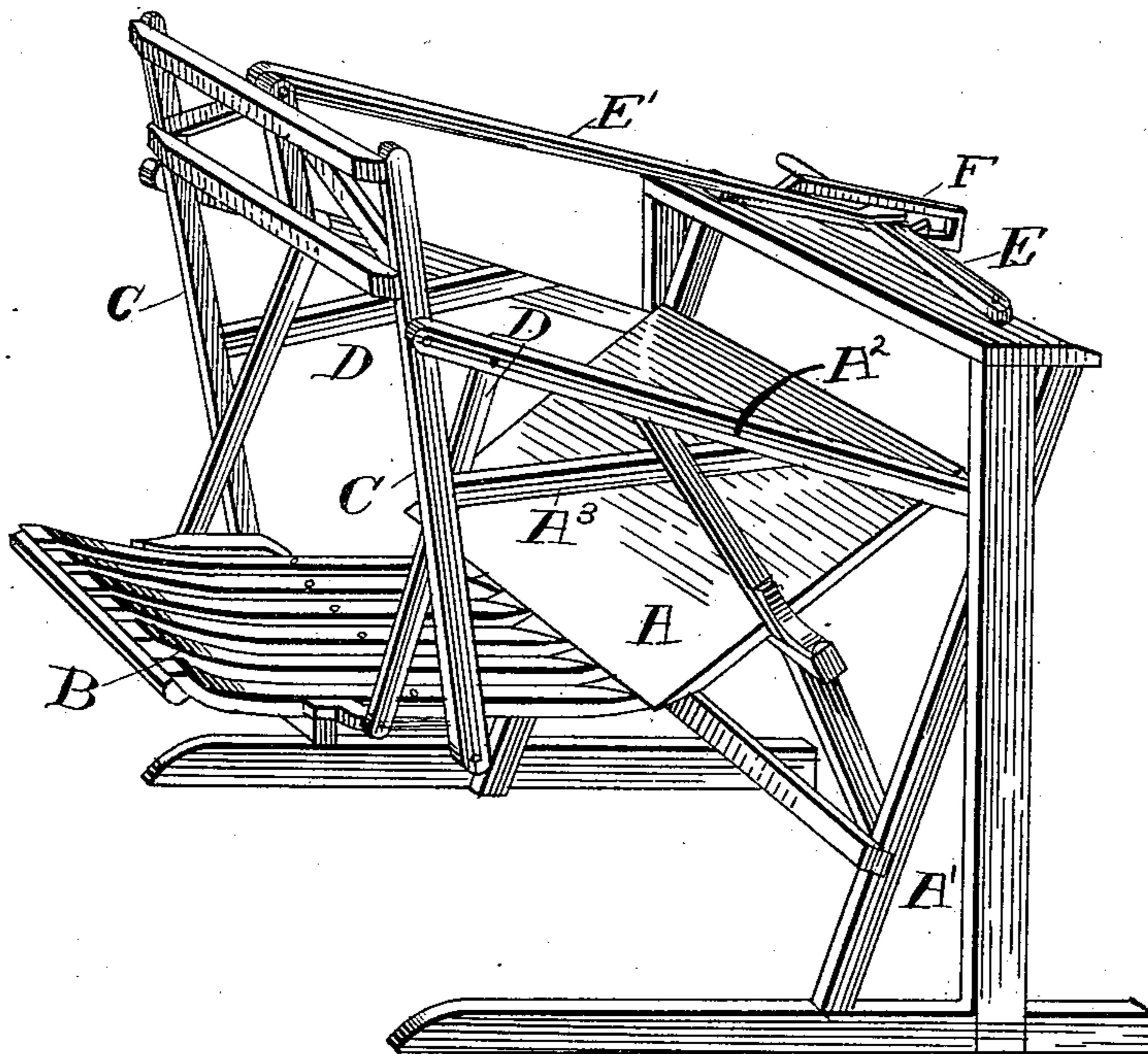
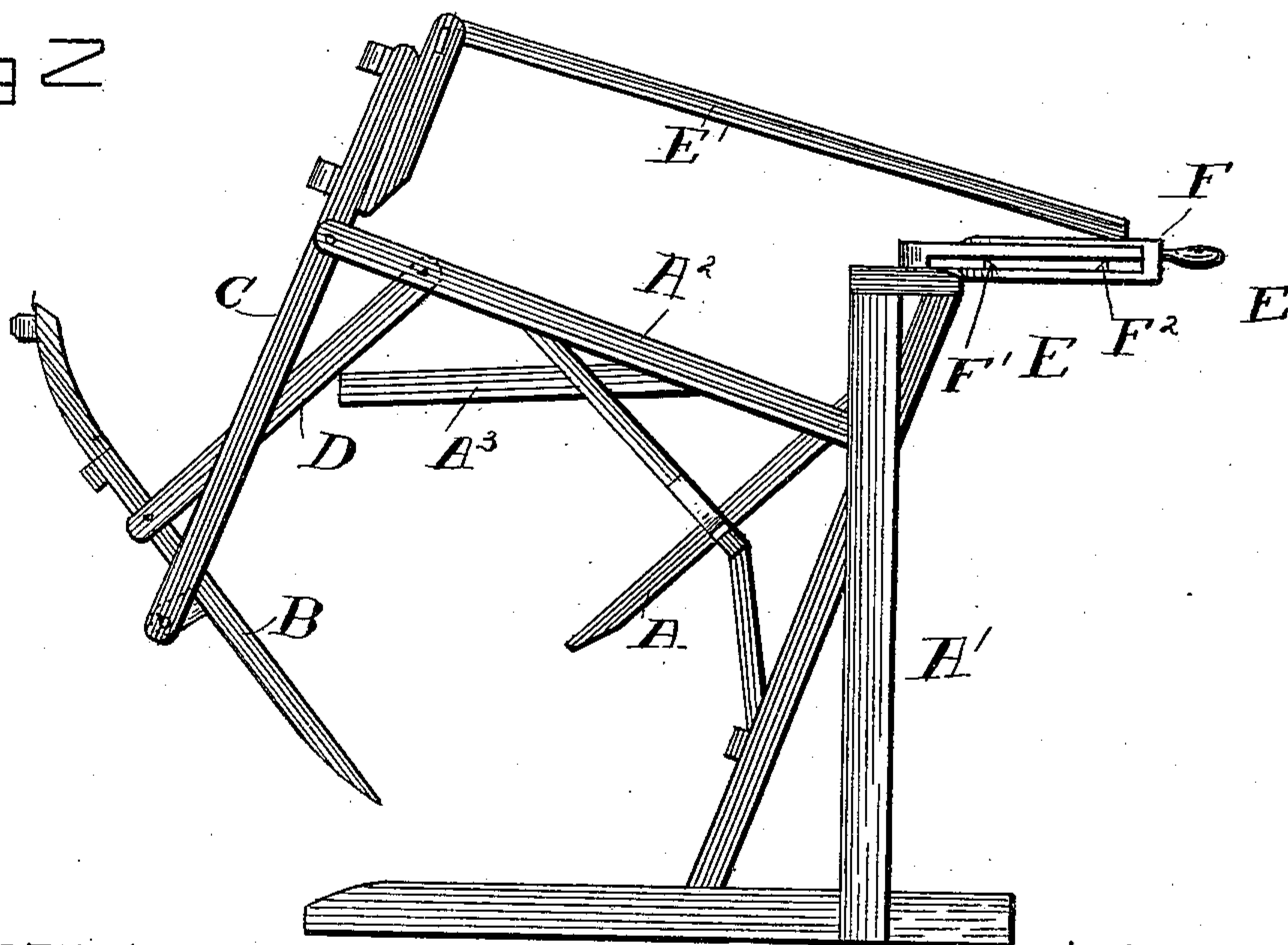


FIG. 2



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

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## BUNDLE-CARRIER FOR HARVESTERS.

SPECIFICATION forming part of Letters Patent No. 330,459, dated November 17, 1885.

Application filed October 29, 1884. Serial No. 146,765. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM BELTZ, a citizen of the United States, residing at Denver, in the county of Kingsbury and Territory of Dakota, have invented certain new and useful Improvements in Bundle-Carriers for Harvesters; and I 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention has relation to bundle carrying and dropping attachments to self-binding harvesters; and it consists in certain novel constructions, combinations, and arrangements of parts, as will be hereinafter more fully described, and pointed out in the claim.

In the drawings, Figure 1 is a perspective view, and Fig. 2 is a side view, of my improved dropper.

The discharging-platform A may be a part of the decking of an ordinary binder, but I prefer to make it a separate platform, as shown, and to support it in suitable framing, A', which in practice is secured to the binder in such manner that the bundles when bound are delivered onto the platform A, and pass thence downward onto the carrier and dropper, presently described.

It is usual in practice to make the platform A of open framing of iron rods, or otherwise, so as to reduce its weight without affecting its utility. The framing A' is provided with rods or arms A<sup>2</sup>, which project forward usually beyond the lower end of platform A, and provide pivotal connection for the supports of the bundle-carrier. Suitable stops, A<sup>3</sup>, are also provided, against which abut the arms of the carrier and by which the forward movement of the latter is limited. The carrier B is made preferably in the frame-work form shown, and is supported by arms C D. The main arms C are pivoted one to each side of the carrier, and extend thence upward and are pivoted, to the arms A<sup>2</sup>. They are preferably extended above the pivot, and the upward extensions are connected by a suitable cross rod or rods, to which is attached the operating devices, presently described. The up-

ward extensions might be dispensed with and the operating devices attached below the pivot; but I prefer the construction as shown. The main arms C give the carrier the backward or swinging movement, and I will for such reason refer to them as the "swinging arms." The arms D give the carrier its tilting motion, and will therefore be denominated the "tilting-arms." The arms D are pivoted at their lower ends to the carrier in rear of the attachment of the swinging levers, and are pivotally secured at their upper ends to the bars A<sup>2</sup>, and usually in advance of the point of attachment of the swinging arms to such support. The operating-lever E is pivoted on the framing and connected by rod E' with the swinging arms of the carrier. This lever E is arranged to engage or operate in a frame, F, having teeth F' F<sup>2</sup>, by which the lever and, through the connections described, the carrier may be held in position to carry or dump the bundles.

In operation, when the parts are in the position shown in Fig. 1, the bundles will be held by the carrier until the proper number or the extent of its capacity have been loaded thereon, when by drawing the lever forward the parts will be adjusted into the position shown in Fig. 2, and the bundles will be dumped. By means of the tilting-arms the carrier need be swung but a short distance, as when tilted to the acute incline shown, the dumping of the bundles will be assured, as will be understood.

It is manifest that the form or construction of the framing is immaterial to the broad principles of my invention, also that various modifications of form and construction might be effected without departing from the broad principles of my invention.

It will be evident that one of either the tilting or swinging arms may be dispensed with, in which case the carrier would be pivoted on one side to a swinging support—either one of the tilting or the swinging arms—while the other side will be provided with both a swinging and a tilting arm. Such construction would give good results; but for firmness and strength I prefer to use two of each set of arms. It is also manifest that the lever E and rod E' may be dispensed with, and the carrier operated by hand applied directly to the carrier,

so as to move the same in or out, or the said carrier might be operated by other expedients extending therefrom into position to be reached by the operator.

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

10 The combination of the supporting-frame, the inclined discharging-platform, the tilting bundle-carrier platform, the swinging and tilting arms, the former projected beyond its pivotal point, a rod connecting said projected

end with a lever, a frame having teeth projecting upward from its under bar to lock said lever at either end of its throw, whereby the tilting platform may be held in a position to carry or dump the bundles, substantially as shown and described. 15

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

WILLIAM BELTZ.

Witnesses:

LAUREN A. KIDDER,  
A. L. KIDDER.