

(No Model.)

J. K. WORTHINGTON.

BUNDLE CARRIER AND DROPPER FOR HARVESTERS.

No. 282,942.

Patented Aug. 7, 1883.

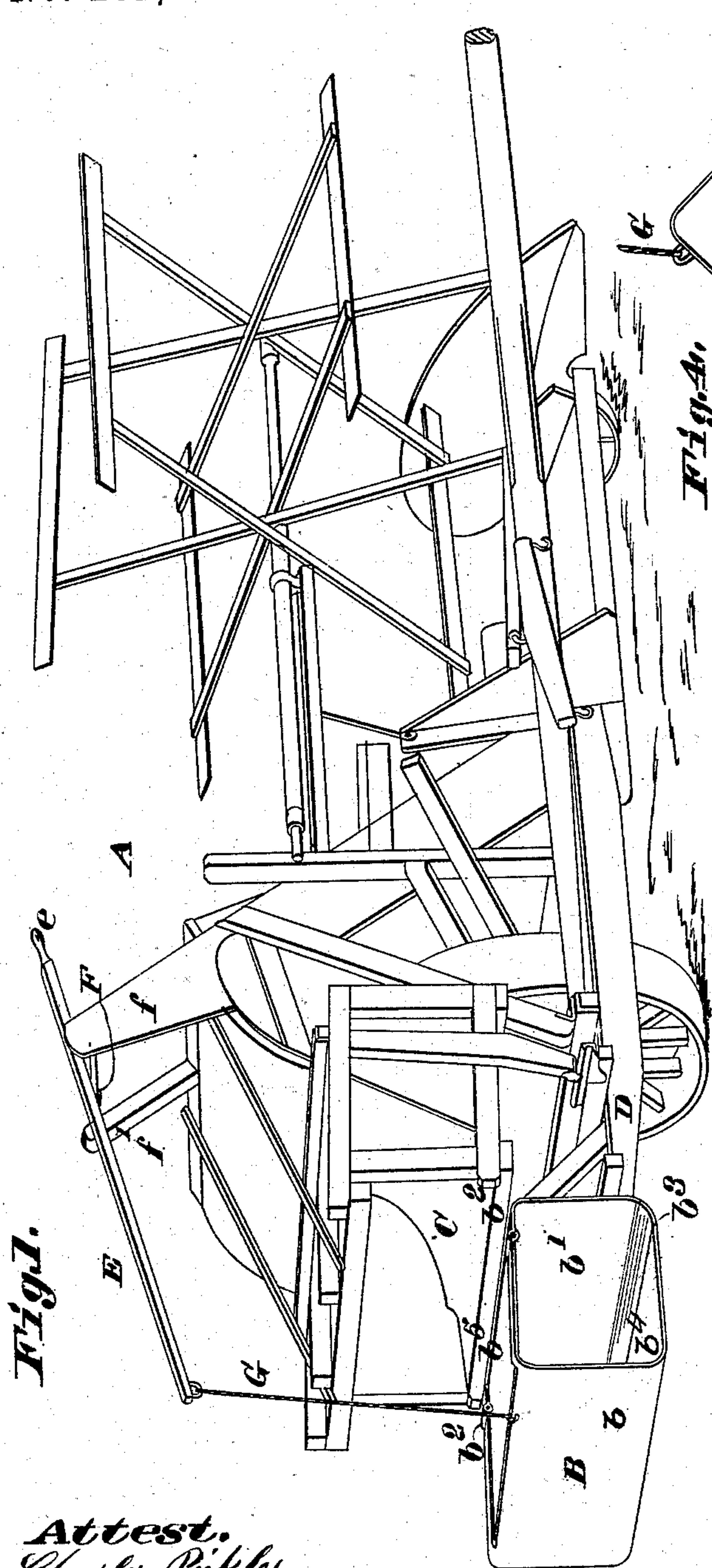
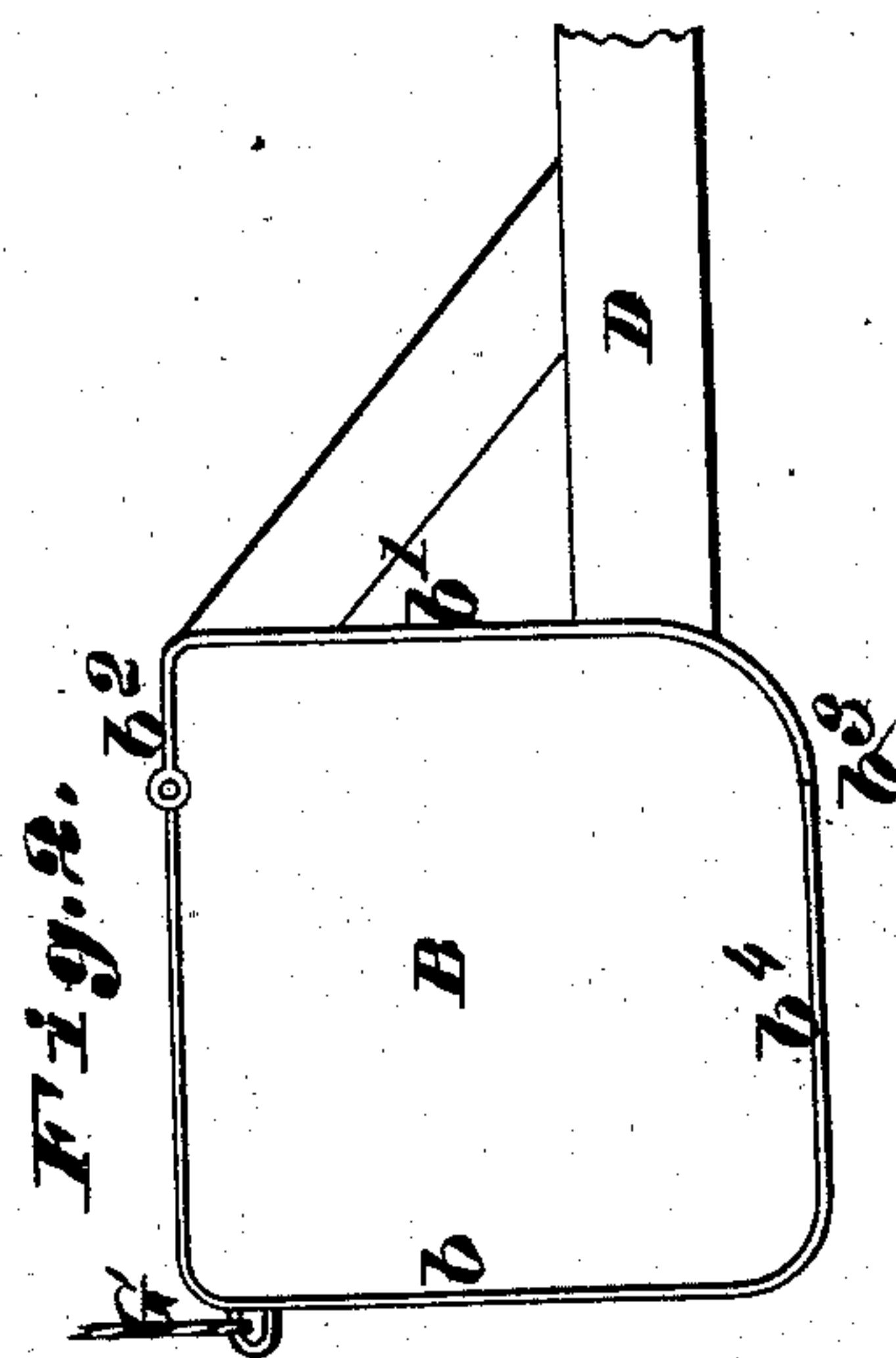
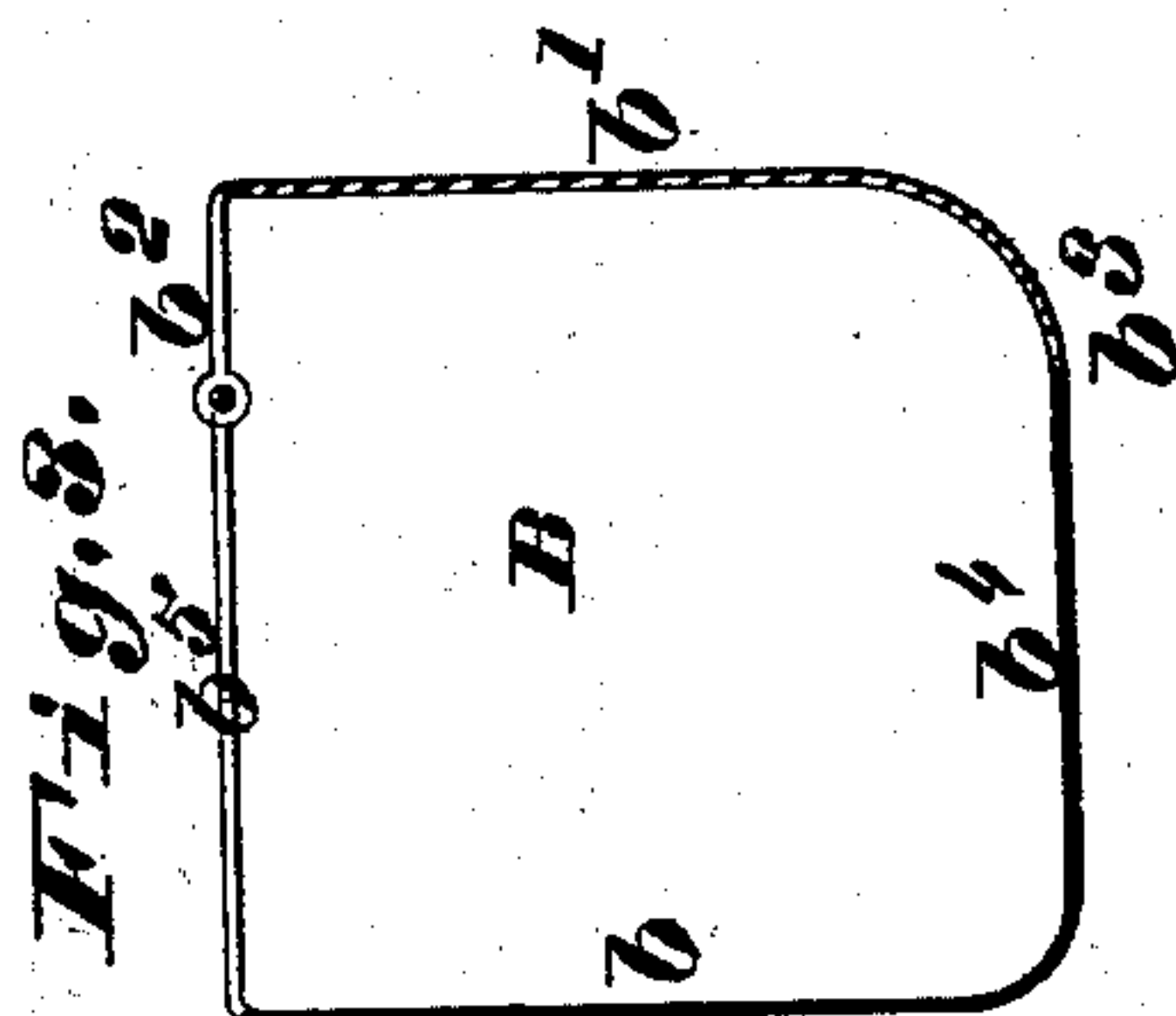
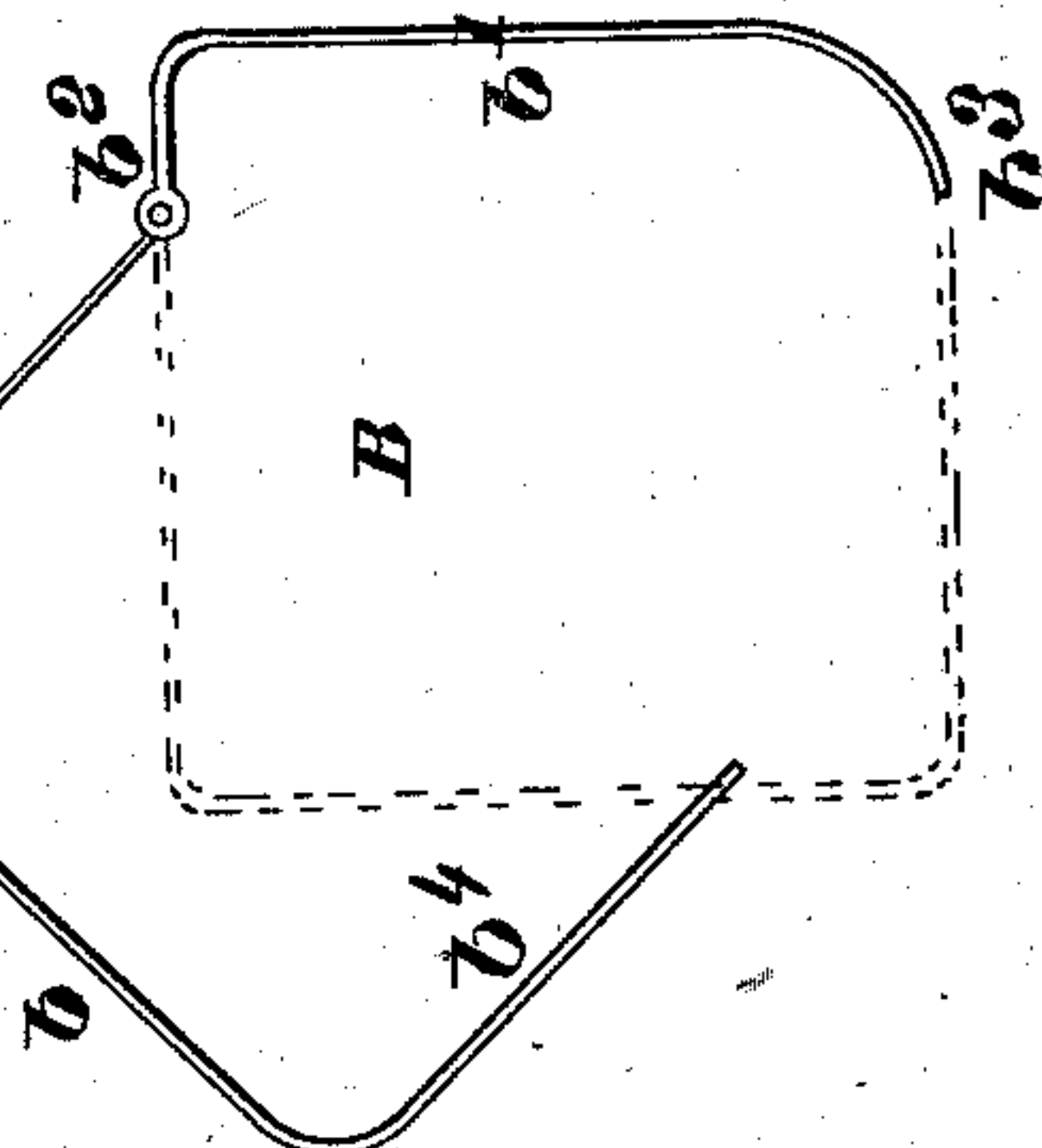


Fig. 1.



Attest.  
Charles Pickles  
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# UNITED STATES PATENT OFFICE.

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## BUNDLE CARRIER AND DROPPER FOR HARVESTERS.

SPECIFICATION forming part of Letters Patent No. 282,942, dated August 7, 1883.

Application filed October 4, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES K. WORTHINGTON, of Kirkwood, Missouri, have made a new and useful Improvement in Bundle Carriers and Droppers for Harvesters, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a view in perspective of a harvester having the improvement. Fig. 2 is an end elevation of the carrier, and showing the extension of the harvester-frame to which the carrier is attached; Fig. 3, a vertical transverse section of the carrier when closed, and Fig. 4 an end elevation of the carrier when opened.

The same letters denote the same parts.

The present invention is an improvement in harvesters having binder attachments and bundle-carriers.

In the drawings, A represents a harvester having a binder attachment, the details of which it is not thought necessary to set out, as the operation of the present improvement is not dependent upon any special feature of the binder, the only relation between the two being that the bundles, after being bound and discharged from the binder, are passed into the bundle-carrier.

B represents the bundle-carrier. It is arranged so that the bundles as they come from the binder (which may be in the space lettered C, or at any other suitable part of the harvester) shall drop into it. It is attached to and supported by a suitable extension—such as D—of the harvester-frame or driving-wheel casing, and at a level below that point from which the bundles are delivered, and sufficiently so both to insure the proper placing of the bundles in the carrier and to entirely separate the bundles in the carrier from those coming after. The carrier is made in two parts, *b* and *b'*, hinged together at *b<sup>2</sup> b<sup>2</sup>*, at the part *b* opening away from the part *b'* at *b<sup>3</sup>*. The carrier is suitably shaped at the bottom *b<sup>4</sup>* to support and retain the bundles when the bottom of the carrier is closed, and at the top *b<sup>5</sup>* is made open to allow the bundles to fall into the carrier. The part *b'* is the portion of the carrier that is immediately attached to the extension D, being rigidly fastened thereto, and the part *b* is held in position by means of the hinges *b<sup>2</sup> b<sup>2</sup>* and the abutting edges at *b<sup>3</sup>*.

E represents a lever supported and arranged to turn upon the bearing F. The handle *e* of the lever is extended to be within reach of the driver of the harvester, and from the outer end of the lever a connection—such as the rod G—extends to the part *b* of the carrier.

The operation is as follows: The carrier is allowed to remain closed, as shown in Figs. 1, 2, and 3, until the desired number of bundles accumulates in it. The driver then depresses the handle *e* of the lever E, causing the carrier to open at the bottom, substantially as shown in Fig. 4, and the contents of the carrier to be dropped to the ground.

It will be noticed that no projection, stationary or movable within the bundle-carrier, interferes with the dropping of the bundles into the carrier, or disturbs the bundles in the carrier after they are deposited therein; nor is there any ledge upon which the bundles can catch or rest and thereby be prevented from dropping out of the carrier to the ground when the carrier is opened. The construction and operation of the carrier are such that not any part or attachment of it will strike the bundles after they have been dropped on the ground. On releasing the handle *e* the part *b* closes against the part *b'* and the operation is repeated. The bearing F is supported by the standards *f f'*.

Though I prefer this form of construction, I do not limit myself to it, as it is evident that it might be varied in divers respects without departing from the gist of the invention.

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

The combination of the self-binder harvester A and the open-top bundle-carrier B, said carrier being in two parts, *b b'*, hinged together at *b<sup>2</sup> b<sup>2</sup>*, the bottom *b<sup>4</sup>* being shaped to sustain the bundles when the carrier is closed, and the part *b* opening away from the part *b'* at *b<sup>3</sup>*, and the part *b'* being shaped to enable the bundles to slide off when the carrier is opened, constructed and arranged substantially as shown and described.

Witness my hand.

J. K. WORTHINGTON.

Witnesses:

CHAS. D. MOODY,  
CHARLES PICKLES.