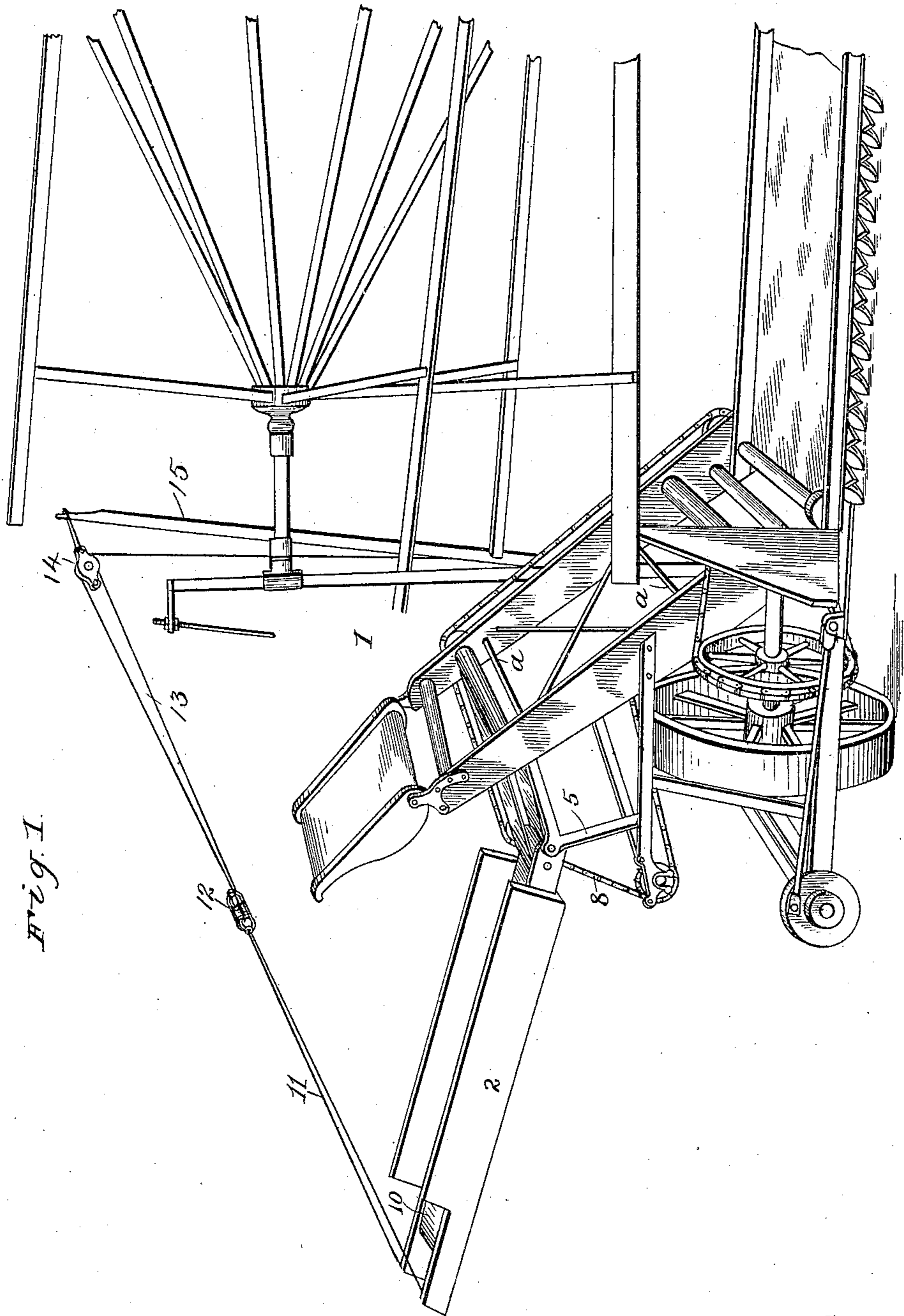


No. 881,113.

PATENTED MAR. 10, 1908.

J. M. DARROW.
ATTACHMENT FOR BINDERS.
APPLICATION FILED SEPT. 9, 1907.

2 SHEETS—SHEET 1.



Inventor

J. M. Darrow.

Witnesses

W. J. J. J. J.
W. J. J. J. J.

By

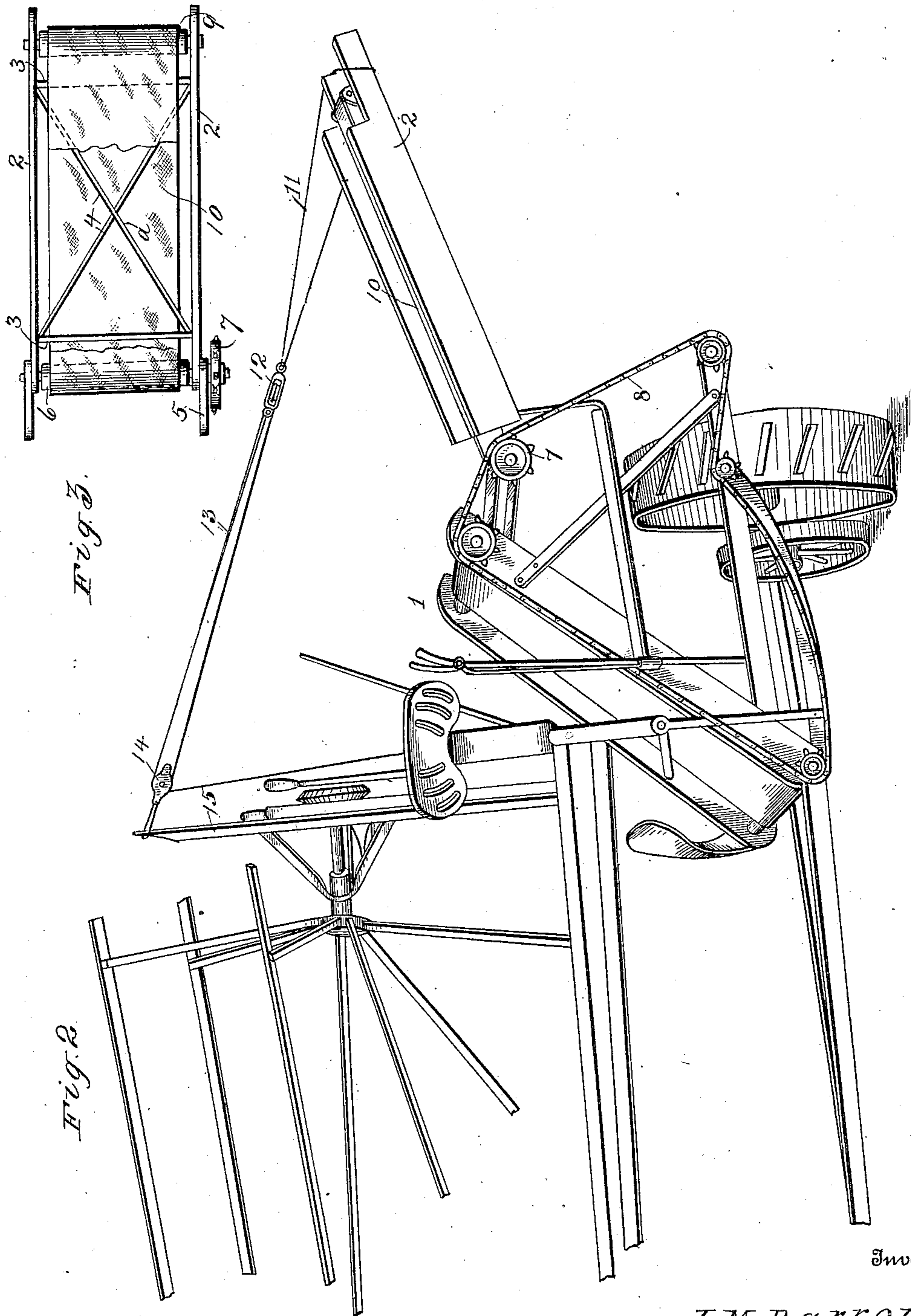
R. A. H. H. H. Attorneys

No. 881,113.

PATENTED MAR. 10, 1908.

J. M. DARROW.
ATTACHMENT FOR BINDERS.
APPLICATION FILED SEPT. 9, 1907.

2 SHEETS—SHEET 2.



Witnesses

W. P. Hoodson

By

W. B. Haeey, Attorneys

UNITED STATES PATENT OFFICE.

JAY M. DARROW, OF ASHERVILLE, KANSAS.

ATTACHMENT FOR BINDERS.

No. 881,113.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed September 9, 1907. Serial No. 392,027.

To all whom it may concern:

Be it known that I, JAY M. DARROW, citizen of the United States, residing at Asherville, in the county of Mitchell and State of Kansas, have invented certain new and useful Improvements in Attachments for Binders, of which the following is a specification.

The present invention is in the nature of a novel attachment for binders whereby grain after passing through the binder, and being acted upon thereby, may be automatically elevated and discharged into a vehicle provided alongside of the binder.

The object of the invention is to design a simple and inexpensive attachment of this character which can be readily applied to any conventional form of binder and which will operate in an effective manner to produce the desired result.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a front view of a binder having the attachment applied thereto. Fig. 2 is a rear view of the same. Fig. 3 is a reduced plan view of the swinging frame, a portion of the endless belt being removed.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The invention is shown as applied to a binder 1 which is of the conventional construction and comprises the usual cutting and binding mechanisms. In general the attachment is in the nature of a frame which is pivotally connected to one side of the binder and carries an endless belt serving to receive the grain from the binder and elevate the same so that it can be discharged into a vehicle. Specifically describing this frame it will be observed that the same comprises two side pieces 2 connected at points toward their ends by the transverse braces 3, and also connected by the diagonal braces 4. The inner ends of the side pieces 2 are received between V shaped brackets 5 which are bolted or otherwise detachably connected to the frame work of the binder 1. A roller 6 is mounted between the inner ends of the side pieces 2 and the journals at the opposite extremities of the roller extend through the said side pieces and are received

within suitable bearings provided in the brackets 5. One of these journals is extended beyond the bracket and has a toothed wheel 7 applied thereto, the said wheel being designed to receive motion from the chain 8 upon the binder. A second roller 9, similar to the roller 6 is journaled between the outer ends of the side pieces 2 and an endless belt 10 extends around the two rollers.

A yoke 11 is pivotally connected to the outer extremities of the side pieces 2 and has a pulley 12 applied thereto, the said pulley engaging a cable 13 which also passes around a second pulley 14 carried by a standard projecting upwardly from the binder 1, the end of the cable extending downwardly within easy reach of the operator. It will be apparent that by suitably manipulating the cable 13 the side pieces 2 can be raised or lowered according to the height to which it may be desired to elevate the grain.

From the foregoing description it will be obvious that the grain, after being acted upon by the binder 1 in the usual manner will be delivered upon the endless belt 10, which will discharge it in the manner herein-before set forth.

Having thus described the invention, what is claimed as new is:

An elevator attachment for binders comprising brackets detachably applied to the frame of the binder, side pieces having their inner ends received between the brackets, braces connecting the side pieces, a roller journaled between the inner ends of the side pieces, the journals at the opposite extremities of the roller extending through the side pieces and being received within suitable bearings in the before mentioned brackets and one of the journals projecting beyond the bracket, a wheel applied to the said journal, means for transmitting motion from the binder mechanism to the wheel, a second roller journaled between the outer ends of the side pieces, an endless belt passing around the rollers and designed to receive the grain discharged from the binder and elevate the same so as to drop it into a vehicle, and means for adjusting the inclination of the side pieces.

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

JAY M. DARROW. [L. s.]

Witnesses:

J. W. SHANKS,
EDWARD REES.