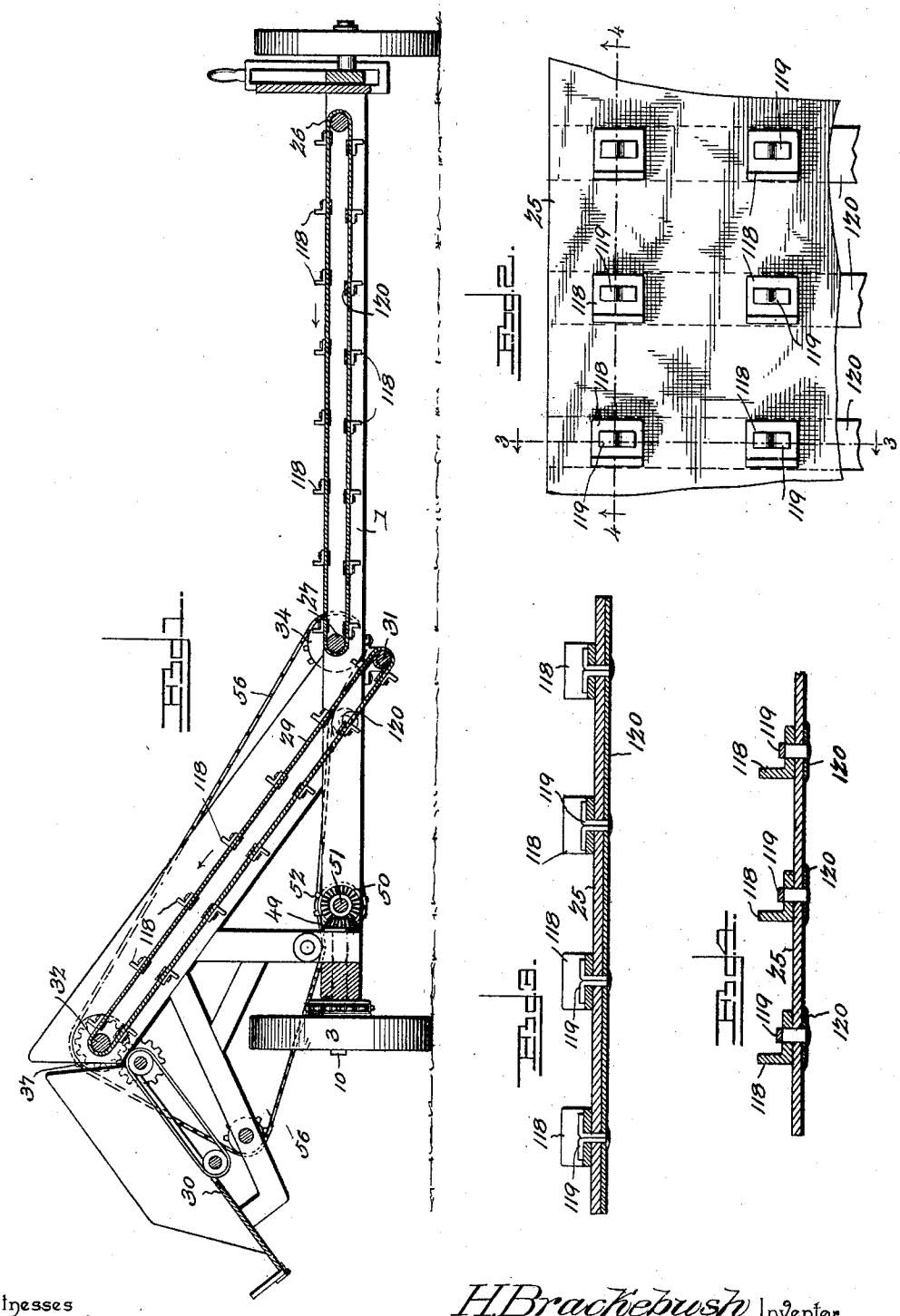
No. 660,696. Patented Oct. 30, 1900.

H. BRACKEBUSH.

CONVEYER FOR HARVESTERS.

(Application filed July 16, 1900.)

(No Model.)



Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HENRY BRACKEBUSH, OF PACKWAUKEE, WISCONSIN.

CONVEYER FOR HARVESTERS.

SPECIFICATION forming part of Letters Patent No. 660,696, dated October 30, 1900.

Original application filed March 20, 1900, Serial No. 9,427. Divided and this application filed July 16, 1900. Serial No. 23,782. (No model.)

To all whom it may concern:

Be it known that I, HENRY BRACKEBUSH, a citizen of the United States, residing at Packwaukee, in the county of Marquette and State of Wisconsin, have invented a new and useful Conveyer for Harvesters, of which the following is a specification.

My invention is an improved conveyer for conveying the grain from the platform to the grain-deck of a harvesting-machine.

My present invention is a division of the application for Letters Patent of the United States, Serial No. 9,427, filed by me March 20, 1900; and it consists in the peculiar construction and combination of devices hereinafter fully set forth, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a vertical longitudinal sectional view of the frame of a harvesting-machine provided with my improved conveyers. Fig. 2 is a detail top plan view of one of the conveying-aprons. Fig. 3 is a sectional view of the same, taken on the line 3 3 of Fig. 2. Fig. 4 is a similar view of the same, taken on the line 4 4 of Fig. 2.

In the embodiment of my invention here shown 1 designates the harvesting-machine frame, which may be of any preferred construction.

The platform-apron 25 is carried by a roller-shaft 26 and an operating-shaft 27, journaled in the front and rear sides of the frame 1 and disposed in rear of the cutting mechanism. The shaft 27 is at a suitable distance from the grain end of the frame, and said shaft 27 is provided on its rear end with a sprocket-wheel 34.

At the inner end of the platform-apron 25 is an inclined elevator-apron 29, which is adapted to convey the grain from the platform conveyer 25 and discharge the same upon the grain-deck 30, where the grain is bound by a suitable binding mechanism, which is not here shown, as it forms no part of my present improvements. The said inclined elevator-apron 29 is carried by an idle shaft or roller 31, disposed below the shaft or roller 27, and a driving shaft or roller 32, disposed above the inner side of the grain-deck. Said shaft or roller 32 is provided at its rear end with a sprocket-wheel 37.

The driving traction-wheel 3 has its shaft 10, which is journaled in suitable bearings at the inner end of the frame 1, provided on the end opposite the wheel 3 with a miter gear-wheel 49, which engages a similar gear 50 on a shaft 51. The said shaft 51 is at right angles to the shaft 10 and is provided at its rear end with a sprocket-wheel 52. An endless sprocket-chain 56 connects the sprocket-wheels 52, 34, and 37 and communicates power from the shaft 51 to the shafts 31 27, and hence causes the platform and inclined conveyers to operate in the direction indicated by the arrows in Fig. 1.

The platform and elevator aprons are provided on their outer sides with angle-plates 118, which are secured thereto by suitable rivets, as at 119, said rivets passing also through transversely-disposed metallic strips 120, which are on the inner sides of the aprons, serve to strengthen the same, and prevent them from sagging longitudinally between their front and rear sides. The said angle-plates project from the faces of said aprons and serve to engage the grain and cause the same to be carried by the aprons. As the grain is discharged from the platform conveyer or apron 25 it falls upon the lower portion of the single elevator-apron 29 and is carried by the latter to the grain-deck, where it is bound and from which it is discharged.

Having thus described my invention, I claim—

A conveying-apron having transversely-disposed metallic strengthening-strips on its inner sides, angle-plates on its outer sides, projecting therefrom, and rivets, securing said angle-plates and strengthening-strips to said conveying-apron, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HENRY BRACKEBUSH.

Witnesses:
F. J. DODGE,
ARTHUR J. BARRY.