

No. 666,709.

Patented Jan. 29, 1901.

J. S. SOUREK.
ENDLESS CARRIER BELT.
(Application filed Sept. 13, 1900.)

(No Model.)

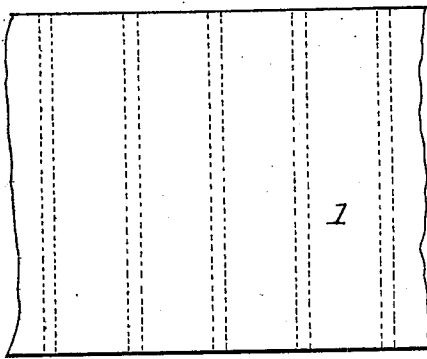


Fig. 1.

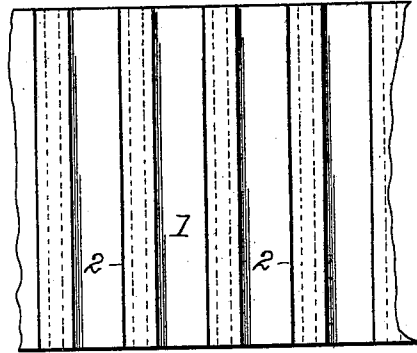


Fig. 2.

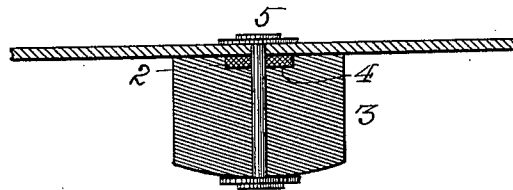


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH S. SOUREK, OF BATH, OHIO.

ENDLESS CARRIER-BELT.

SPECIFICATION forming part of Letters Patent No. 666,709, dated January 29, 1901.

Application filed September 13, 1900. Serial No. 29,891. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH S. SOUREK, a citizen of the United States, residing at Bath, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Endless Carrier-Belts, of which the following is a specification.

My invention has relation to improvements in endless carrier-belts, sometimes called "carrier-aprons," used with harvesters and like machines to convey the cut grain or straw to the binder or other desired place.

The object of my invention is to avoid any folds or creases in the belt, to prevent as far as may be the partings between the slats and belt that are liable to catch and become filled with dust, chaff, and other matter, and thereby impair its efficiency, and generally to produce a new and improved belt of the kind stated.

The aforesaid object of my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described and then specifically pointed out in the claim, reference being had to the accompanying drawings, forming a part of this specification.

In the accompanying drawings, in which similar reference-numerals indicate like parts in the different views, Figure 1 is a view of the face of a portion of my improved belt before the slats are attached; Fig. 2, a view of the under face of the same; and Fig. 3, a longitudinal section, enlarged, of a portion of the completed belt and one of the slats to illustrate the manner of attaching the latter.

Referring to the figures, the belt 1 is of canvas of the desired width, uncorrugated throughout, and has stitched or otherwise secured upon the side that is to be the outer face and at determined intervals a number of transverse ridges 2. These ridges may be folds of heavy duck, braided cord, strips of

leather, or other material that is preferably flexible, or they may be woven in the belt; but if of separate material they should be secured by one or more rows of stitching, as indicated in Figs. 1 and 2, or other approved means of attaching them.

The slats 3 are in cross-section of the form shown in Fig. 3, having three flat sides of a parallelogram, with the fourth and outer side curved or rounded. In the flat side opposite the curved face is a longitudinal channel 4, in which one of the ridges 2 fits and rests.

In uniting the belt and slats the slats 3 are severally placed across the belt in such manner that the channel 4 will receive one of the ridges 2, and these parts are secured at the ends of the slats by rivets 5 or other equivalent device.

Between the rivets 5 the canvas is secured to the slats by tacks or clout-nails so firmly driven that the heads will be embedded in the belt below its face, so that they will present no obstacle to its free movement around the pulleys on which it runs.

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

The combination of an endless, flexible belt, transverse ridges or strips attached to one side thereof, slats provided with grooves on one face adapted to inclose said ridges, but no portion of said conveyer-belt, and fastening devices arranged to pass through said belt and ridges and into said slats, said belt being uncorrugated throughout, substantially as shown and described.

In testimony that I claim the above I hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH S. SOUREK.

Witnesses:

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