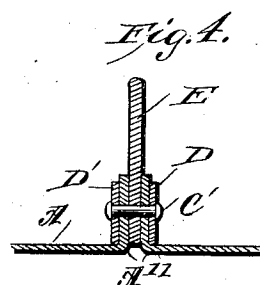
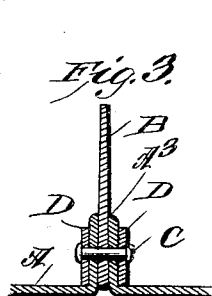
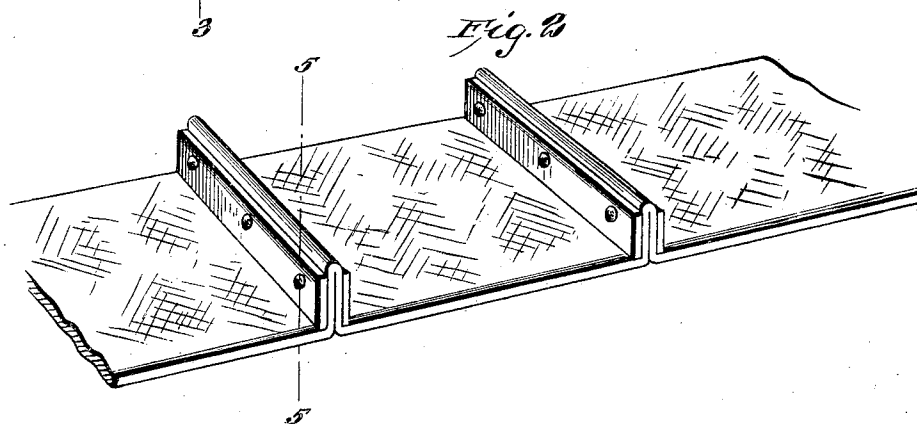
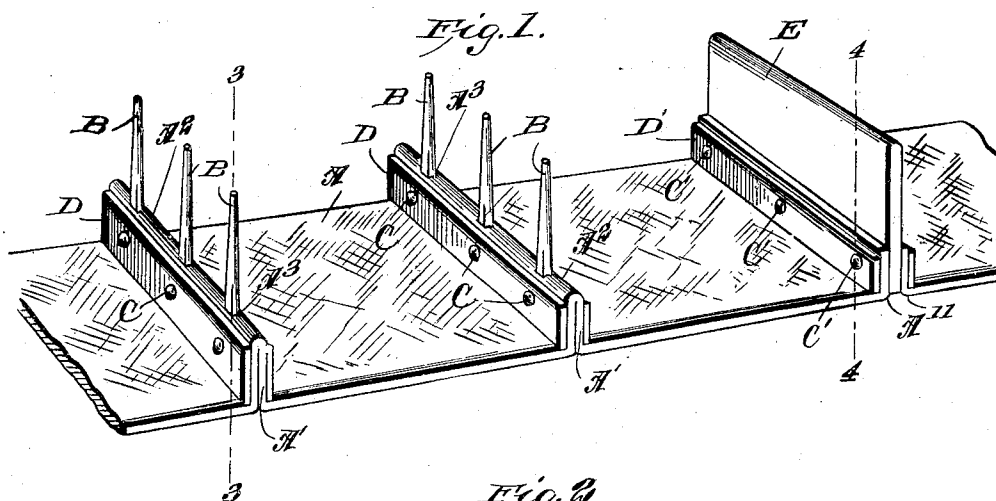


No. 880,356.

PATENTED FEB. 25, 1908.

T. J. CARTER.
DISTRIBUTING AND CONVEYING BELT.
APPLICATION FILED AUG. 24, 1907.



WITNESSES
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THOMAS J. CARTER, OF TEMPLE, OKLAHOMA.

DISTRIBUTING AND CONVEYING BELT.

No. 880,356.

Specification of Letters Patent.

Patented Feb. 25, 1908.

Application filed August 24, 1907. Serial No. 390,050.

To all whom it may concern:

Be it known that I, THOMAS J. CARTER, a citizen of the United States, and a resident of Temple, in the county of Comanche and State of Oklahoma, have invented certain new and useful Improvements in Distributing and Conveying Belts, of which the following is a specification.

This invention is an improvement in distributing and conveying belts, and consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing Figure 1 is a perspective view of a belt embodying my invention. Fig. 2 is a perspective view of a belt embodying the invention differing somewhat from the construction shown in Fig. 1. Fig. 3 is a vertical cross-section on about line 3—3 of Fig. 1. Fig. 4 is a cross-section on about line 4—4 of Fig. 1, and Fig. 5 is a cross-section on about line 5—5 of Fig. 2.

The apron A is provided with upturned portions A' in the form of sections of a fold whose upper folded edge A² may be perforated at A³ for the passage of the conveyer pins B whose lower ends are held between the upturned portions A' and secured by rivet bolts C, passing through the bur plates D on opposite sides of the upturned portions A' and thence through the upturned portions, and the pins, as will be understood from Figs. 1 and 3 of the drawing. These pins constitute conveyer flights and they are as described held between and project above the upturned portions of the conveyer belt or apron. At the right hand of Fig. 1 and in Fig. 4, I show the conveyer flight in the form of a blade E held at its lower end between the upturned portions A' of the apron by means of the bur plates D' and rivet bolts C' and in Figs. 2 and 5 I show the upturned portions of the belt or apron, as in Fig. 1, with the projecting flight pins B omitted.

In operation the pins or teeth B will be found useful for conveying straw and other like bulky substances, while the flight E will be found useful in conveying ores, crushed stone, ear corn, refuse from saw mills and other like substances, and the belt, as shown in Fig. 1, with the flights B and the flights E, are useful in distributing seed cotton to a battery of two or more gins. The belt or apron shown in Fig. 2 with the upturned portions clamped between the opposite bur

plates is especially designed for binder elevators and grain belts and separators, and similar apparatus. Manifestly, rivets may be secured by riveted heads, as shown in Figs. 1, 2, 3 and 4, or by nuts, as shown in Fig. 5.

In operation the flights are securely held so there is no danger of losing the same and there is no danger of choking from overloading at one point, as the flights are so constructed that they will fold back or turn down thereby passing the point of obstruction and at the same time removing a portion of the obstructing material. The flights will not catch and hold straw, grain and other like substances in a wasteful and annoying manner, and as there is no right and left to the belt it may be run in either direction with equally good effect.

I claim—

1. A conveyer belt or apron having an upturned portion, a conveyer flight held within said upturned portion and projecting at its upper edge above the same, bur plates on opposite sides of the upturned portion, and rivets passing through the upturned portions and the opposite bur plates, substantially as and for the purpose set forth.

2. A conveyer belt or apron having upturned portions, and a conveyer flight held between and projecting above the upturned portions.

3. A conveyer belt or apron having an upturned portion in the form of a fold, whose upper folded edge is provided with perforations, pins projecting through said perforations and at their upper ends above said folded edge and fitting at their lower ends within the upturned folded portion of the belt or apron.

4. A conveyer belt or apron having an upturned portion in the form of sections of a fold, said sections being united at the upper folded edge of the upturned portion, and bur plates fitting on opposite sides of the upturned portion.

5. A conveyer belt or apron having upturned portions, and flat bur plates on opposite sides thereof and connected together securing the upturned portions of the belt whereby said upturned portions and the bur plates may be folded back or turned down in passing an obstruction.

6. A conveyer belt or apron having upturned portions, a conveyer flight held be-

tween said upturned portions and projecting above the same, and bur plates on opposite sides of the upturned portions and secured together.

- 5 7. A conveyer belt or apron having an upturned portion in the form of sections of a fold, the upturned portion being exposed

and unobstructed at its upper edges, and bur plates fitting on opposite sides of the upturned portion.

THOMAS J. CARTER.

Witnesses:

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