F. M. YEAGER.

Sheaf-Carrier for Harvester.

No. 205,951. Patented July 16, 1878.

FIG. 1.

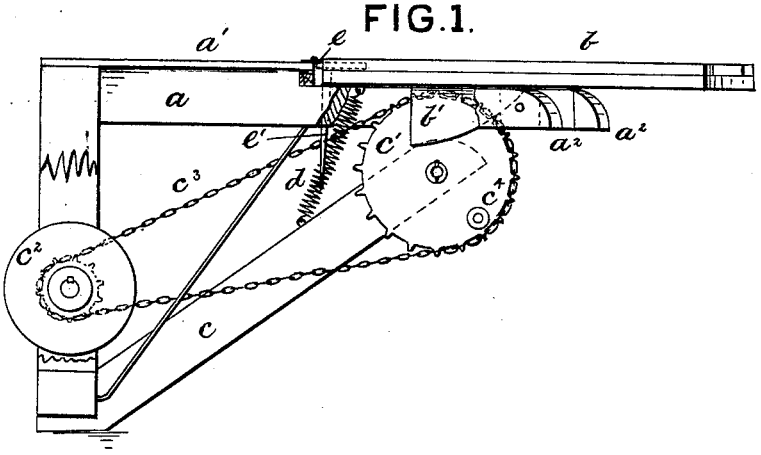
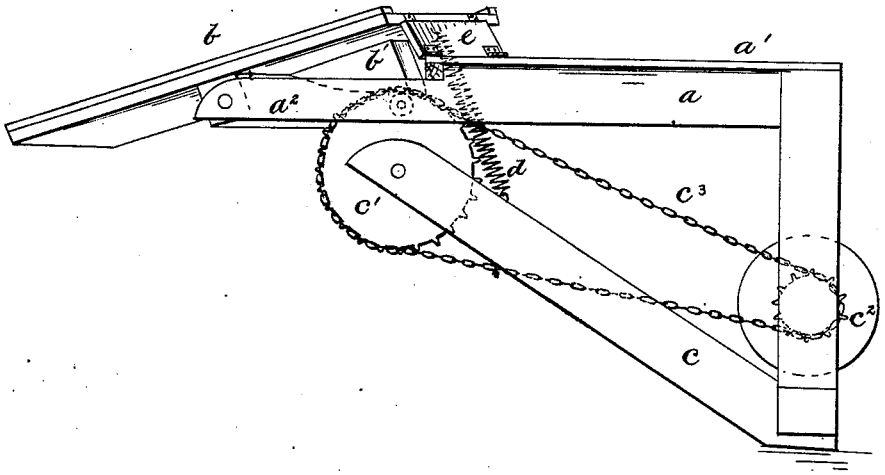


FIG. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

FRANCIS M. YEAGER, OF OXFORD, KANSAS.

IMPROVEMENT IN SHEAF-CARRIERS FOR HARVESTERS.

Specification forming part of Letters Patent No. **205,951**, dated July 16, 1878; application filed May 24, 1878.

To all whom it may concern:

Be it known that I, FRANCIS M. YEAGER, of Oxford, in the county of Sumner and State of Kansas, have invented certain new and useful Improvements in Carrying-Platforms for Grain-Binders; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention consists in a tilting table, a hinged apron, and other mechanism, all constructed and combined with the grain-binding platform of the harvester, as will be hereinafter fully set forth.

In the drawings, Figures 1 and 2 show elevations from opposite sides of the device.

a is the binder-frame, supporting the binding-platform a^2, and which has the extended arms a^2 a^2, to the ends of which is pivoted the tilting table *b*. *c* is an arm, having one end secured to the frame *a* below the platform a^1, and its other end extended outward and supporting a pulley, c^1, under the inner end of the tilting table *b*. c^2 is a pulley secured to the frame *a*. c^3 is the belt passed around the pulleys c^1 c^2.

On the side of the pulley c^1 is placed a pin, c^4, which, as the pulley revolves, comes in contact with a cam-block, b', on the under side of, and raises the inner end of, the tilting table. When the pin c^4 has cleared the block b' the table drops back to its position on a level with the platform a^1.

d is the retracting-spring, having one end attached to the under side of the table *b*, while its opposite end is suitably attached to the under framing. There may be employed two or more of these springs *d*, arranged at different points below the table, and attached to different points on the under framing; but I prefer the single spring, as shown.

e is an apron, hinged to the platform a^1, so that it closely covers any intervening space between the latter and the tilting table.

When the table *b* is tilted the apron *e* is raised, and rests against suitable fingers or guides e', secured to the inner end of said table, and thus closes the intervening space, as shown in Fig. 2. When the table is down it drops over upon the top thereof, as shown in Fig. 1. The object of this apron is to preserve a continuous plane between the binder-platform and the top of the sheaf-table, and to prevent any of the grain from dropping through to the under side. All loose grain is thus preserved, and is deposited in bulk at the place where the sheaves are dumped. The sheaves, after being bound, are deposited on the table *b*, where they are carried to the proper place for deposit, and are dumped by the tilting of said table.

The pulleys c^1 c^2 are constructed of such relative size to the binding mechanism and are so operated that the pulley c^1 is revolved and the table *b* tilted after the number of sheaves designed for a single cock have been bound; or the pulleys may be connected by suitable mechanism, whereby the driver may have full control over the dumping of the table.

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

In combination with the frame *a* and platform a^1 in a grain-binding machine, the tilting table *b*, having the fingers e' and cam-block b', apron *e*, hinged to the platform a^1, and pulley c^1, having pin c^4, and connected by suitable belt with the driving mechanism of the binder, substantially as and for the purposes set forth.

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

FRANCIS M. YEAGER.

Witnesses:

JOHN W. GRIFFITH,

JOSEPH W. YEAGER.