

B. G. TURNER, E. A. CULBERTSON & M. A. MCKINNON.
HARVESTER.

No. 176,712.

Patented April 25, 1876.

Fig. 1.

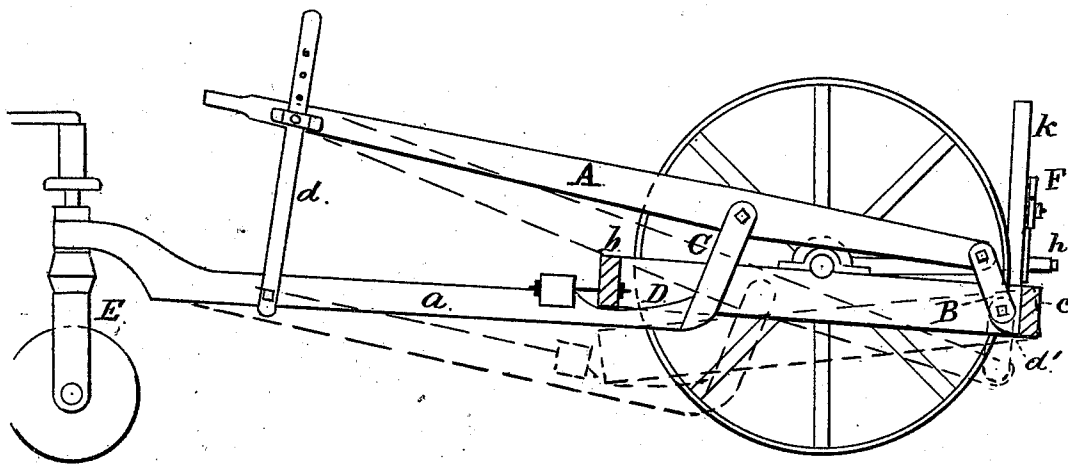
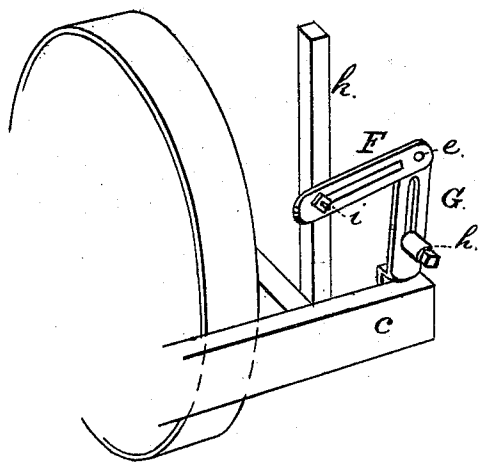


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE

BENJAMIN G. TURNER, EDWARD A. CULBERTSON, AND MALCOLM A. MCKINNON, OF FREMONT, NEBRASKA, ASSIGNORS TO FREMONT MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN HARVESTERS.

Specification forming part of Letters Patent No. 176,712, dated April 25, 1876; application filed December 11, 1875.

To all whom it may concern:

Be it known that we, BENJAMIN G. TURNER, EDWARD A. CULBERTSON, and MALCOLM A. MCKINNON, of the city of Fremont, in the county of Dodge and State of Nebraska, have invented certain new and useful Improvements in Harvesters; and we 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 drawing, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side elevation of our improved harvester; Fig. 2, a perspective view of belt-tightener.

Like letters in both figures of the drawing indicate like parts.

This invention relates to the class of harvesters known as headers; and the object of it is to avoid the difficulty heretofore experienced in adjusting the cutters to enable them to cut high grain; and the invention consists of an adjusting-lever, having a reversible auxiliary arm or link connected to the main frame, in combination with a standard attached to an extension of the tongue, constructed and operated so that the cutters can be elevated to cut very high grain; also, of a belt-tightener, consisting of slotted plates, belt-roller, set-screw, and standard, constructed and combined with the front beam of the machine, as will hereinafter be more fully explained.

A is the adjusting-lever, and B the auxiliary arm. Lever A is pivoted in the jaws of the fixed fulcrum-standard C, attached to the end of the extension D of the tongue *a*, the tongue being pivoted in the usual manner to the rear beam *b* of the frame, but constructed to extend out under and beyond the beam to receive the standard. Auxiliary arm B consists of two bars, between which is pivoted the end of lever A, their opposite ends being made to embrace and have a pivotal connection with a fixed block, *d*, attached to the front beam *c* of the machine. The tongue is provided with the usual adjustable tiller-

wheel E and lever-standard *d*, having the usual holes to receive a pin for securing the lever A. F G are the slotted plates, pivoted together at *e*. Plate G is provided with the belt-roller *h*, adjustable by means of a set-screw in the slot, and pivoted at its lower end to the front beam of the machine. Plate F is attached by a set-screw, *i*, to a fixed standard, *k*. These plates, as thus arranged, can be so adjusted, by moving plate F or the belt-roller up or down, as to secure the tightening of the belt for running the grain-carrier with the greatest nicety.

The arrangement of the adjusting-lever with the fulcrum-standard and extension of the tongue allows the frame to be shortened, so as to leave only space enough for the wheels to revolve in between the rear and front cross-beams.

The operation of the adjusting-lever is as follows: When desiring to cut very high grain, lever A is released from the standard *d*, and the end thrown up, so as to reverse or throw down auxiliary arm B. (See operation of the same in dotted lines of Fig. 1.) In this position the lever can be made to elevate the cutters so as to cut very high grain.

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

1. An adjusting-lever, having a reversible auxiliary arm or link connected to the main frame, in combination with a standard attached to an extension of the tongue, substantially as and for the purpose set forth.

2. In a harvesting-machine, the belt-tightener, consisting of the slotted plates F G, adjustable belt-roller *h*, set-screw *i*, and standard *k*, constructed and combined to operate substantially as set forth.

In testimony that we claim the foregoing as our own we have affixed our signatures in presence of two witnesses.

BENJAMIN G. TURNER.
EDWARD A. CULBERTSON.
MALCOLM A. MCKINNON.

Witnesses:

L. M. KEENE,
S. B. COLSON.