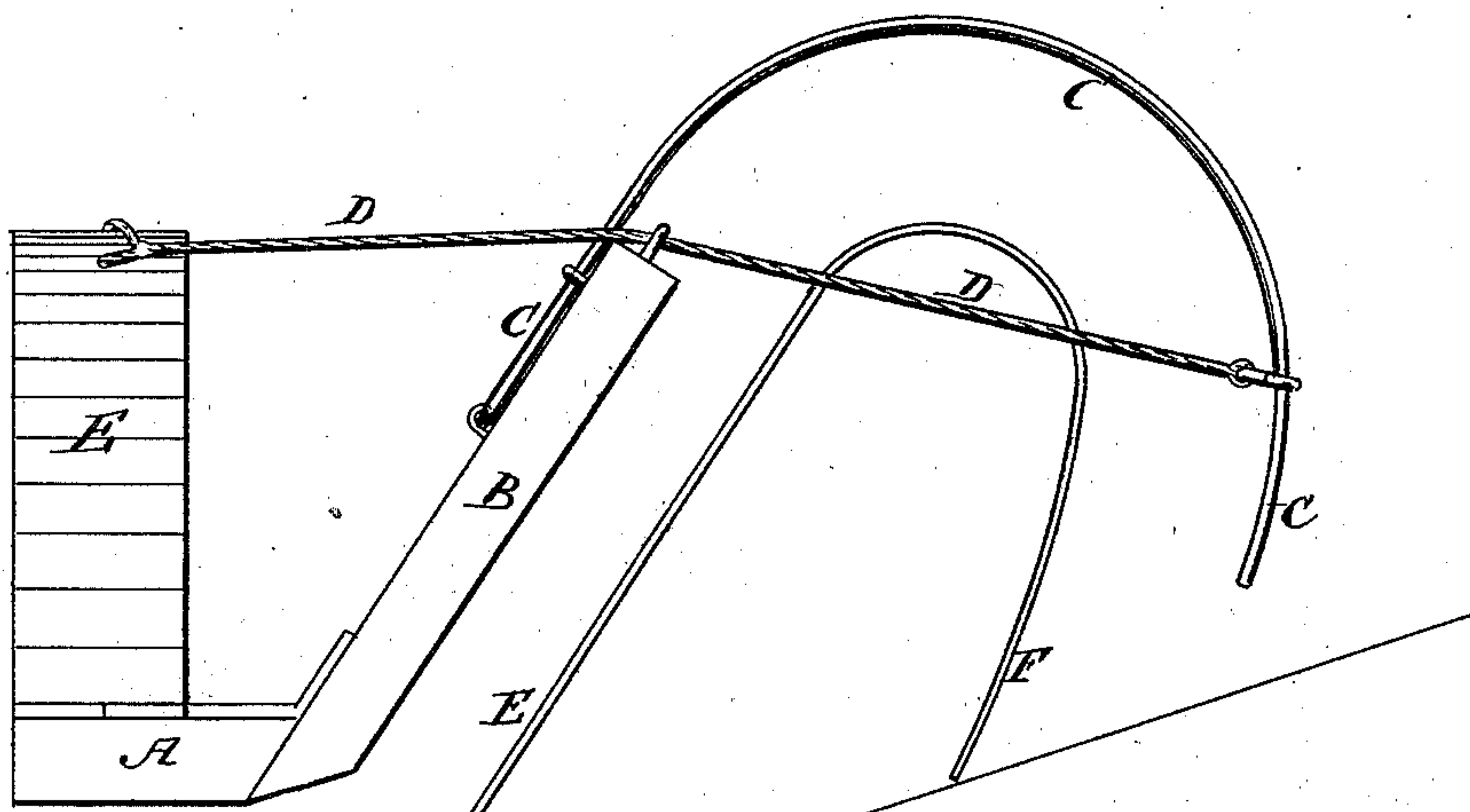


A. L. & E. C. LONG.  
Harvester Cut-Offs.

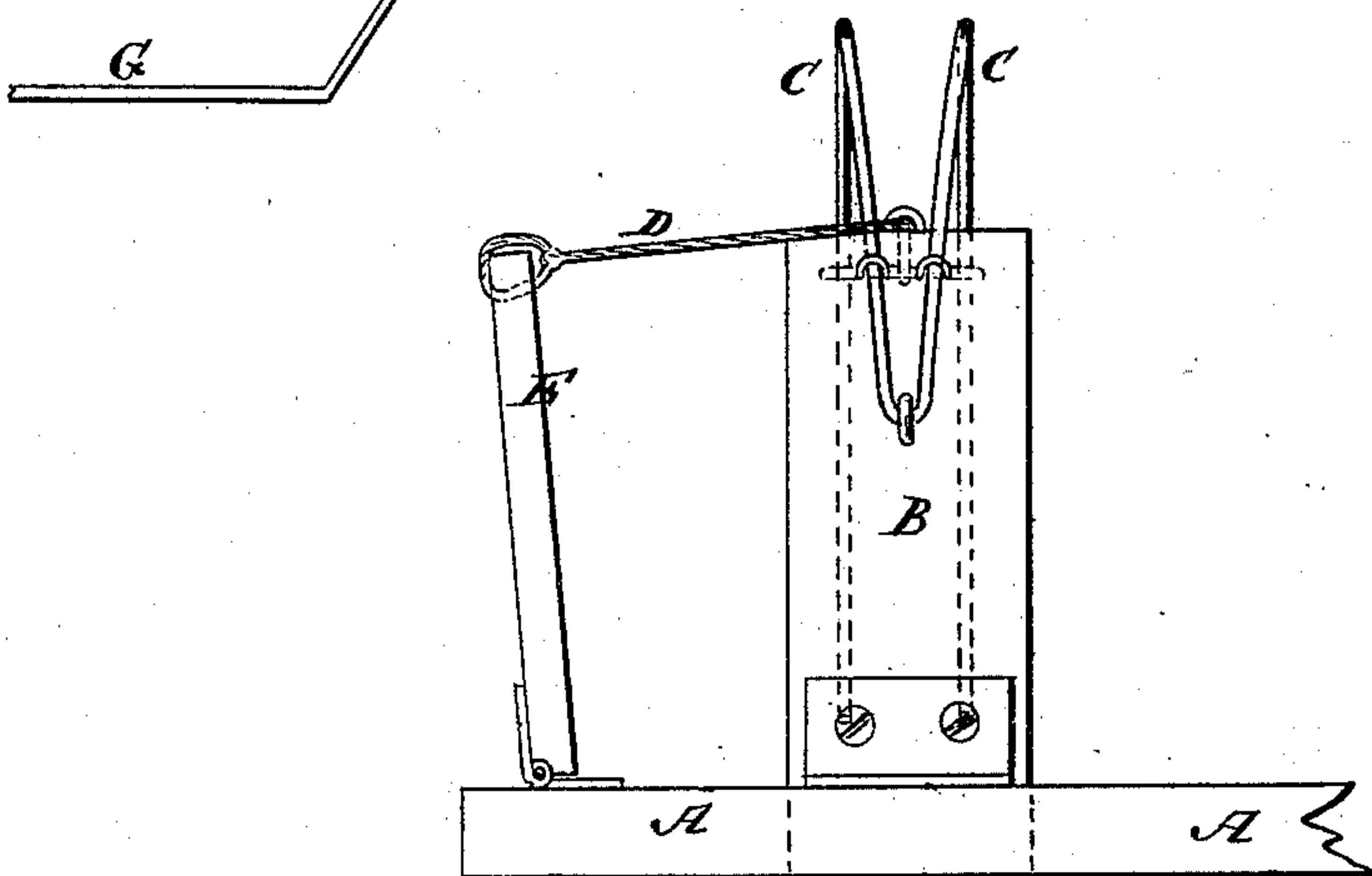
No. 199,727.

Patented Jan. 29, 1878.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*E. Wolff.*  
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INVENTORS

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# UNITED STATES PATENT OFFICE.

ALONZO L. LONG AND EDGAR C. LONG, OF BIG ROCK, ILLINOIS.

## IMPROVEMENT IN HARVESTER CUT-OFFS.

Specification forming part of Letters Patent No. **199,727**, dated January 29, 1878; application filed May 28, 1877.

*To all whom it may concern:*

Be it known that we, ALONZO LEWIS LONG and EDGAR CORDENIA LONG, of Big Rock, in the county of Kane and State of Illinois, have invented a new and useful Improvement in Cut-Offs or Grain-Separators for Harvesters, of which the following is a specification:

Figure 1 is a side view of my improved cut-off. Fig. 2 is a rear view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved attachment for the Marsh harvester, and other harvesters that elevate the cut grain to the binders to cut off or separate the grain, and prevent it from falling into the trough while the binders are removing a gavel to bind it, thus preventing the grain from being scattered, and enabling the binders to form neat and compact bundles.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A represents the board to which the driver's seat is attached, to the side of which is attached an inclined board or bar, B.

To the upper part of the board B are attached two curved wires, C, to which, toward their free ends, is attached a cord, D. The cord D passes through a guide-eye attached to the end of the inclined board B, and its other end is attached to the treadle E, which is hinged to the board A, so that the driver can operate it with his foot.

With this construction, when enough grain has fallen into the trough for a gavel, the

driver operates the treadle E, which draws down the free ends of the wires C, and cuts off or separates the grain, and prevents any more from falling into the trough until the binder has removed the gavel. The driver then removes his foot from the treadle E, the wires C spring back, and the grain is allowed to again fall into the trough to form another gavel.

The cut-off is placed midway of the elevator E, that delivers grain to the binders in a trough, F, and runs from the platform G. As the grain is carried over curved strips and delivered into the trough, the driver places his foot on the treadle, (as soon as enough grain for a bundle has been delivered,) so as to cause the curved spring-wire to be thrust through the grain. This prevents any more from falling into the trough until the bundle has been tied and removed.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination, with a harvester-elevator, of the inclined board or bar B, the curved spring-wires C, the cord D, and the treadle E with the seat-board A of a harvester, for cutting off or separating and interrupting the grain while a gavel is being removed from the trough, substantially as herein shown and described.

ALONZO LEWIS LONG.

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Witnesses:

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