

(No Model.)

G. W. WILLISON.  
FODDER BINDER.

No. 423,010.

Patented Mar. 11, 1890.



FIG. 2.

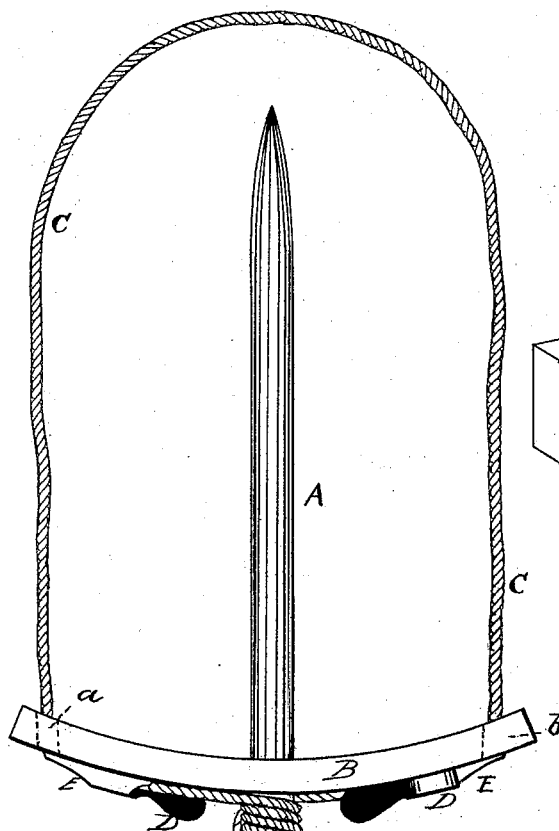


FIG. 1.

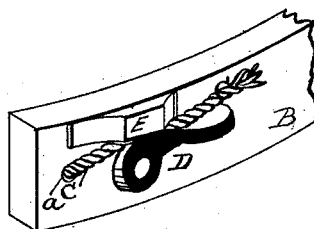


FIG. 4.

Witnesses:  
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# UNITED STATES PATENT OFFICE.

GEORGE W. WILLISON, OF MARYSVILLE, OHIO.

## FODDER-BINDER.

SPECIFICATION forming part of Letters Patent No. 423,010, dated March 11, 1890.

Application filed November 12, 1889. Serial No. 330,103. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. WILLISON, a citizen of the United States, residing at Marysville, in the county of Union and State of Ohio, have invented certain new and useful Improvements in Fodder-Binders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain improvements in corn-fodder binders; and my said invention consists of a pointed bar that is passed through the shock, provided with a handle whereby it is turned, a cross-bar through which said pointed bar passes loosely, having a slot at one end and an opening at the other through which the binding-cord is passed, a binding-cord both ends of which are secured to the base of the pointed bar and are wound upon the same, and two clamps arranged upon the back of the curved cross-bar so as to engage the binding-cord and hold the same from slipping when once it has been tightened, as will more fully hereinafter appear.

My invention is designed to provide a corn-fodder binder whereby the shock is compactly and symmetrically compressed, an equal draft on both ends of the cord is created, and after the cord has been tightly drawn around the shock said cord may be so held and prevented from slipping while the permanent band is being applied around the shock, and to this end I proceed as follows, reference being had to the accompanying drawings, wherein—

Figure 1 is a plan view of a corn-fodder binder constructed according to my invention. Fig. 2 is an edge view, and Fig. 3 a rear view, of the curved bar, showing the clamps for the cord applied thereto. Fig. 4 is an enlarged detail of same.

The letter A designates the pointed bar, that is passed through the shock, which bar is enlarged at its handle end, as at A', and is provided with a handle A<sup>2</sup>, whereby it is turned.

B is the curved bar, through which the pointed bar A passes loosely, said curved bar being provided with an opening *a* at one end and a slot *b* at the other, through which the binding-cord C is passed, so that an equal draft on both ends of the cord is created in order to uniformly and symmetrically compress the shock. One end of the cord C is permanently secured to the part A' of the bar A, and then, after passing through the slot *b*, around the shock, and through the hole *a*, its other end is secured upon a pin F. It will thus be seen that upon turning the bar A both ends of the cord will be wound upon the base thereof. Thus equal strain is exerted upon the cord. A symmetrical and compactly compressed shock will therefore be the result, and the parts may be made light, so as to be easily handled.

To secure the cord after it has been tightly drawn around the shock and prevent slipping or loosening thereof while the permanent binder is being applied to the shock, so that the binder may be used by one man, cams D are pivoted at each side of the curved bar B, as shown in Fig. 3, between which cams and shoulders E the cord passes on its way to the bar A', so that upon pressing the cams D upon the cord said cord will be securely clamped against the shoulder E, and thus held from slipping. The binder will thus remain in its wound-up position, without danger of unwinding while the attendant applies the permanent band. Then upon disengaging the cams the bar A may be turned backward to unwind the cord, one end of which cord is then removed from the pin F and then withdrawn from around the shock.

A simple, practical, and inexpensive device is thus provided for use of farmers in binding their corn-fodder shocks.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. A corn-fodder binder composed of the pointed bar A, having shouldered end A' and handle A<sup>2</sup>, curved bar B, with slot *b* in one end and hole *a* in the other, cord C, wound

at both ends upon the bar A, and clamps arranged at each side of the bar B to engage the cord C, as described and shown, for the purposes specified.

- 5 2. In a fodder-binder of the nature described, in combination with the handled pointed bar and cord wound at its ends thereon, the curved bar B, having the shoulders E

E and clamps D D, substantially as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. WILLISON.

Witnesses:

GEO. M. McPECK,

MADISON BAUGHMAN.