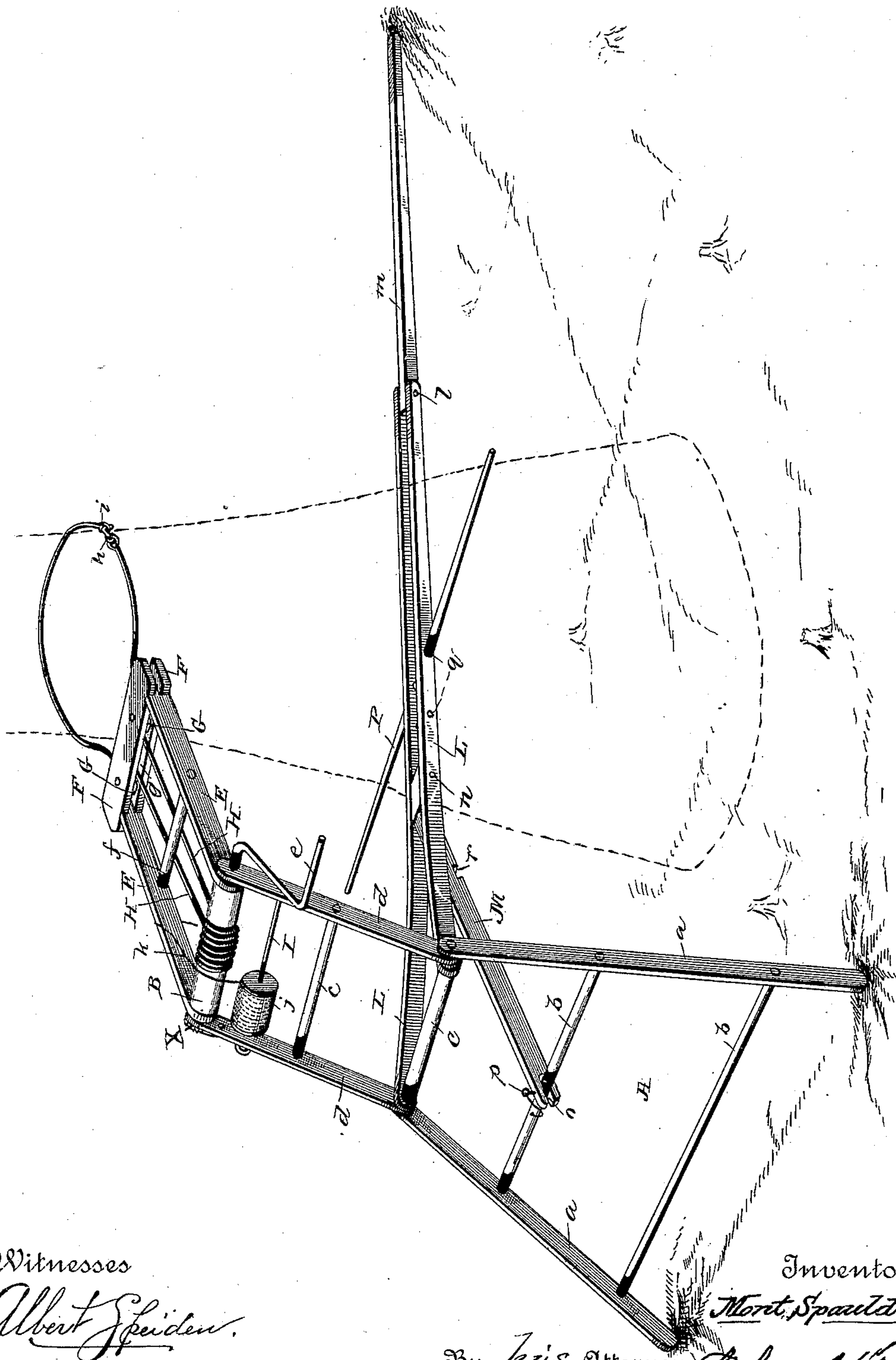


(No Model.)

M. SPAULDING.  
CORN SHOCK BINDER.

No. 405,612.

Patented June 18, 1889.



Witnesses

*Albert Spalding.*

*E. A. Bond.*

Inventor

*Mort. Spaulding.*

By *his* Attorney

*Chas. N. Fowler.*



# UNITED STATES PATENT OFFICE.

MONT SPAULDING, OF ORLEANS, MICHIGAN.

## CORN-SHOCK BINDER.

SPECIFICATION forming part of Letters Patent No. 405,612, dated June 18, 1889.

Application filed January 31, 1889. Serial No. 298,238. (No model.)

*To all whom it may concern:*

Be it known that I, MONT SPAULDING, a citizen of the United States, residing at Orleans, in the county of Ionia and State of Michigan, have invented certain new and useful Improvements in Corn-Shock Binders; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

This invention relates to certain new and useful improvements in corn-shock binders; and the novelty resides in the peculiarities of construction, and in the combinations, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawing, which represents a perspective view of a device embodying my improvement and its adaptation.

Referring now to the details of the drawing by letter, A designates a suitable support composed of the bars *a a*, connected by the cross-bars *b* and preferably farther apart at their lower ends than at the upper end, to form a good support. The upper ends of these bars are connected by the rod C, on which are loosely secured the lower ends of the bars *d*, so as to move thereon to change the position of the said bars in relation to the bars *a*. These bars *d* are connected between their ends by means of the cross-bar *c*, and at their upper ends by the roller B, one end of which is provided with a crank *e*. The shaft of this drum forms a pivot, upon which the arms E E turn, and the said arms or bars E E are connected between their ends by means of the cross-bar *f*, and the outer ends of said bars E E are connected by the cross-bars F F with a space *g* between them, and in which are journaled the pulleys G.

H H are compressing cords or ropes, one end of each of which is secured to the drum or cylinder B, and the other ends pass through the space *g* between the cross-bars F F, and over the pulleys G, as shown, and the free end of one of said cords is provided with a hook

*h* and the other with an eye *i*, or some other provision for engaging said hook.

I is a pin or rod passed through suitable holes in the bars *d*, and this pin forms a bearing for the spool *j*, carrying the binding twine or cord *k*.

Journaled on the rod or drum C are the arms L, which converge toward their outer or free ends, and between said outer ends on the transverse pin or bolt *l* is the bar or pole *m*, adapted to be folded upon said arms, when desired.

Pivoted on the pin or bolt *n*, held in the arms L, is one end of the brace-arm M, the other end being provided with a recess or slot *o*, to engage one of the cross-bars *b* of the support A, as shown, being held thereto by means of the pin *p*, passed through one of the bifurcations and into or bearing on said cross-bar. Between the bolts *l* and *n* the arms L are provided with the holes *q*, through which the bar P is removably inserted for a purpose hereinafter described. Near its pivot the arm M is provided with a notch *r*, to receive the bar P when the parts are folded up.

The operation is simple and apparent. The device is set up as shown in the drawing, the outer end of the pole *m* resting upon the ground, the support A supporting the arms L at a convenient height to hold the first armfuls of corn. The bar P is placed in the holes in the arms L to form four corners to hold the stalks, the brace-arm M being engaged with the cross-bar of the support to steady and support the parts. The desired number of stalks having been placed in position, the same are compressed by means of the roller B and compressing-cords H, and while thus compressed (the roller B being held in its wound position by means of the ratchet and pawl X) the same are bound by the binding-wires *k* and tied in a manner well understood and explained—for instance, in my former patent, No. 386,361, dated July 17, 1888. After the parts are bound and tied the bar P is removed and the device moved to the next position. Any suitable means may be provided to support the arm L and the pole *m* at their joint. Any form of lock-joint will serve the purpose.

The folding pole *m*, together with the piv-

otal connection between the arms L and the support A, and the adjustable arms or bars *d*, allow me to readily adjust the device to uneven ground or to varying heights of stalks, and also render the device capable of folding into a very small compass.

What I claim as new is—

1. The combination, with the support A, of the pivoted arms *d*, the pivoted arms E, carried thereby, the arms L, pivoted to the support A, the pole *m*, pivoted to the arms L, and the removable bar P, substantially as and for the purpose specified.

2. The combination, with the support A, of

the pivoted arms *d*, the pivoted arms E, carried thereby, the arms L, pivoted to the support A, the pole *m*, pivoted to the arms L, the compressing mechanism, and the brace-arm M, pivoted at one end to said arms L and at the other end detachably engaging the cross-bar of the support, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

MONT SPAULDING.

Witnesses:

C. L. HALLADAY,

L. P. BROCK.