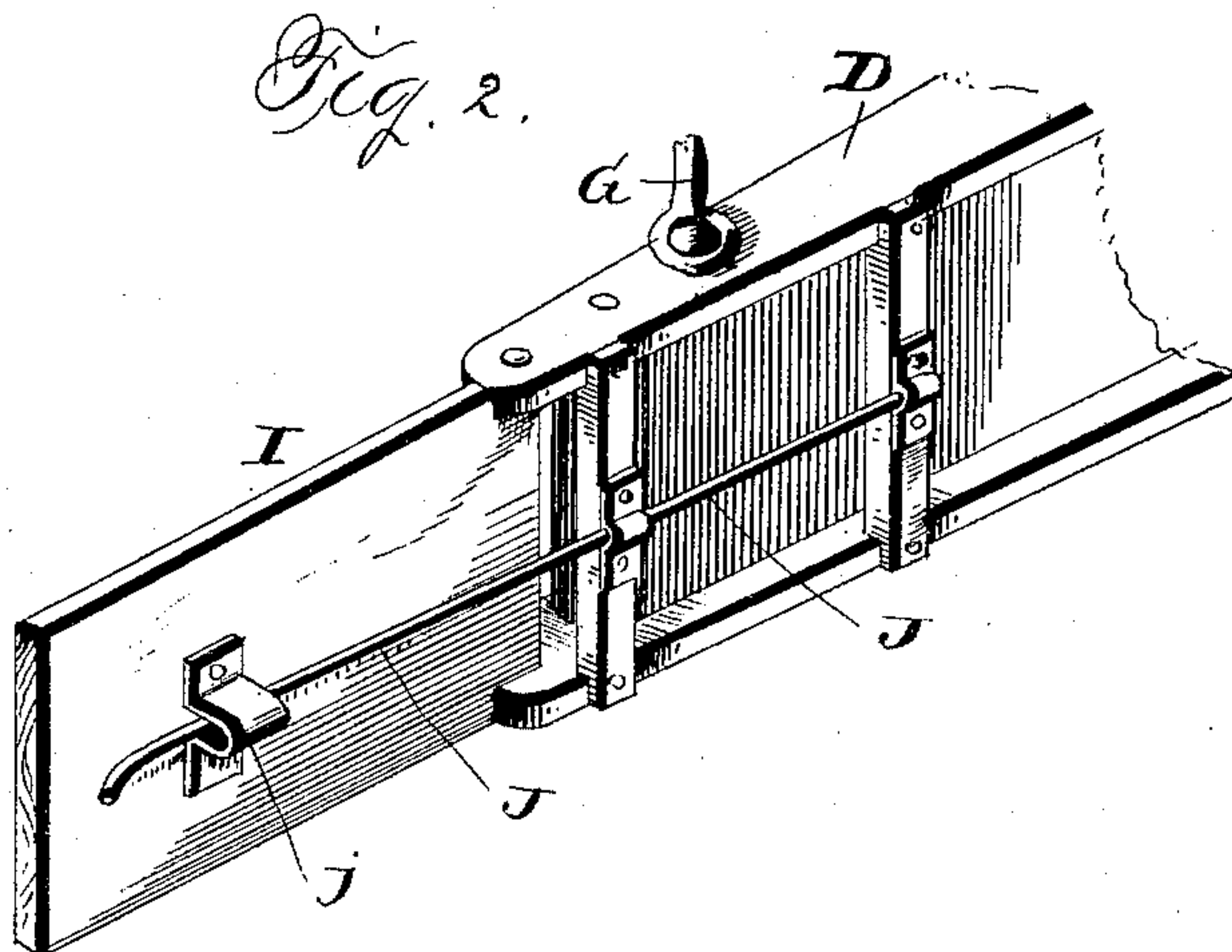
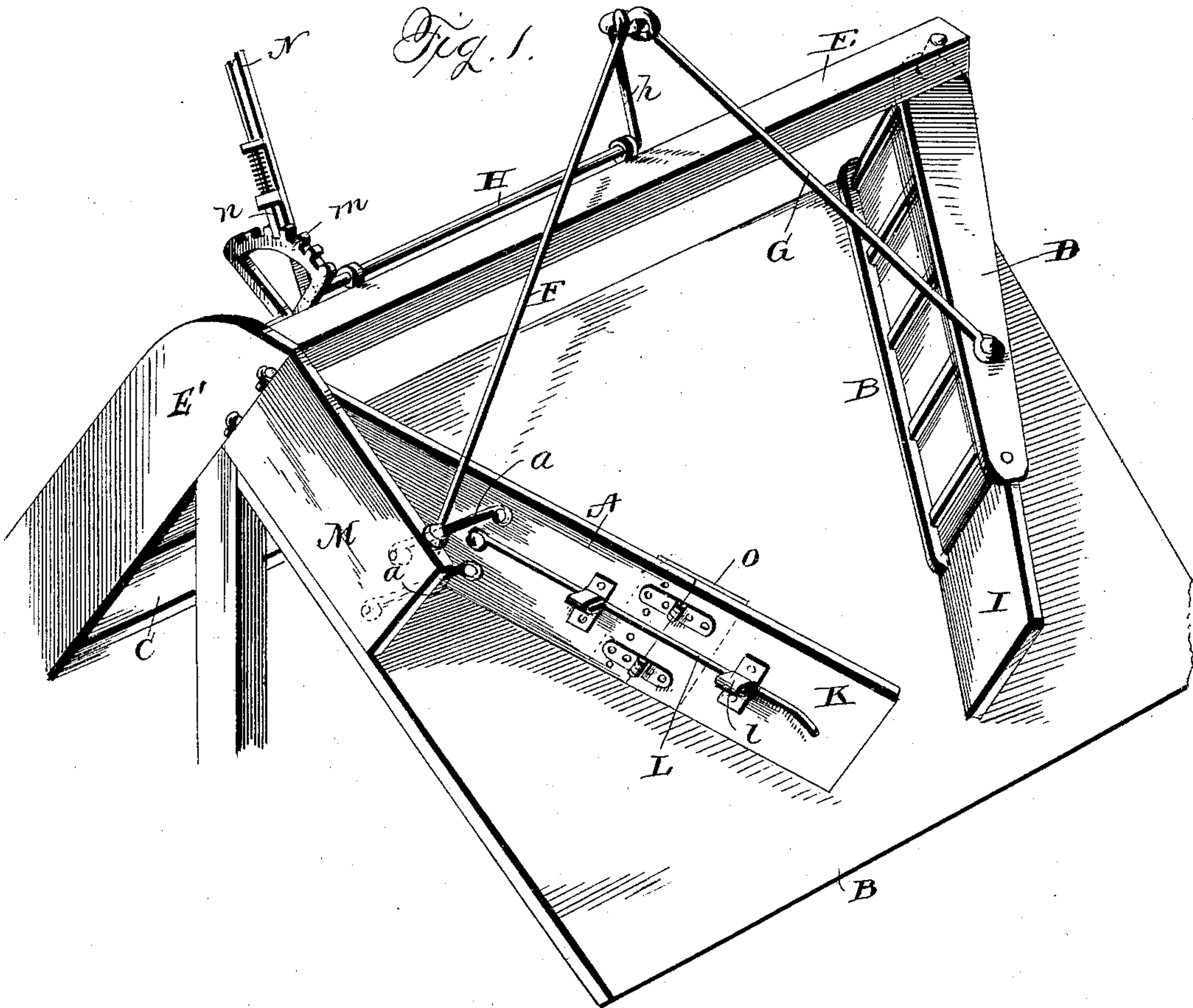


(No Model.)

T. H. HENDERSHOT.  
GRAIN ADJUSTER.

No. 475,861.

Patented May 31, 1892.



Witnesses  
C. J. Williamson,  
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his Attorney



# UNITED STATES PATENT OFFICE.

THEODORE HUDSON HENDERSHOT, OF GRISWOLD, IOWA.

## GRAIN-ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 475,861, dated May 31, 1892.

Application filed July 23, 1891. Serial No. 400,415. (No model.)

*To all whom it may concern:*

Be it known that I, THEODORE HUDSON HENDERSHOT, a citizen of the United States, residing at Griswold, in the county of Cass and State of Iowa, have invented certain new and useful Improvements in Harvester Attachments; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to grain eveners or adjusters for self-binding harvesters, and aims to provide a simple, convenient, and efficient mechanism for the desired purpose which will perform the work in a satisfactory manner.

The improvement consists of the novel construction and the peculiar combination of the parts, which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of the invention applied. Fig. 2 is a detail view of the butter, the extension-leaf pivoted thereto, and the spring for holding the said extension-leaf in an operative position and permitting it to yield when the bundle is discharging.

The elevator C and the binder-table B are well-known parts of a self-binder and are shown to illustrate the relative position of the parts which comprise the invention. The head-board A and the butter D are pivoted at their inner ends to the side board E' of the elevator-frame and are connected with the arm *h* of the shaft H by means of the rods F and G, respectively. The butter is provided with the extension-leaf I, which is pivoted thereto. The flat spring J, secured at one end to the butter-frame and having its other end projected and passing through a keeper *j* on the said extension-leaf, holds the said extension-leaf I in alignment with the butter and permits it to yield when the bundle is discharging. The butter is of usual construction, comprising a frame and an endless belt. The head-board A is provided with a wing K, which is hinged to the outer end thereof. The spring L, secured to the head-

board, is projected and works through a keeper *l* on the wing K and holds the latter in alignment with the head-board and permits the said wing to yield when the bundle is ejected or discharged from the machine. The board M, secured at its inner end at the inner end of the head-board and arranged relatively at an angle therewith, is braced near its outer end by the stay-rods *a*, which are interposed between it and the said board A. The shaft H is journaled to the cross-piece E and is turned in its bearings by the lever N and is held in the located position by a latch-bolt *n* and the notched segment *m*. By operating the lever N the head-board and the butter are simultaneously moved to bring the center of the grain in line with the binding mechanism. After the bundle is bound and while discharging, the wing K and the extension-leaf I yield to permit the free passage of the bundle without the necessity of the driver operating the lever N. The joint between the head-board and the wing is protected by a plate O, which is secured to the said head-board and overlaps the wing, thereby excluding the entrance of dirt and grain into the said joint, which would interfere with the free movements of the wing. The presence of the board M is deemed important. It serves to brace the board A at the top and bottom when there is pressure upon the board A. The board M serves the additional function of guard for the head-board A.

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

The combination, with the head-board, of the wing hinged to the outer end thereof, a board M, secured at its inner end to the head-board at the angle formed by the wing, the stay-rods interposed between the board M and wing near the outer end of the board M, the shaft H, lever N, and the brace-rod connecting said shaft with the board M, all substantially as shown and described.

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

THEODORE HUDSON HENDERSHOT.

Witnesses:

J. C. BRYANT,  
J. E. MCGINNIS.