

(No Model.)

H. J. CASE.
GRAIN HARVESTER.

No. 561,486.

Patented June 2, 1896.

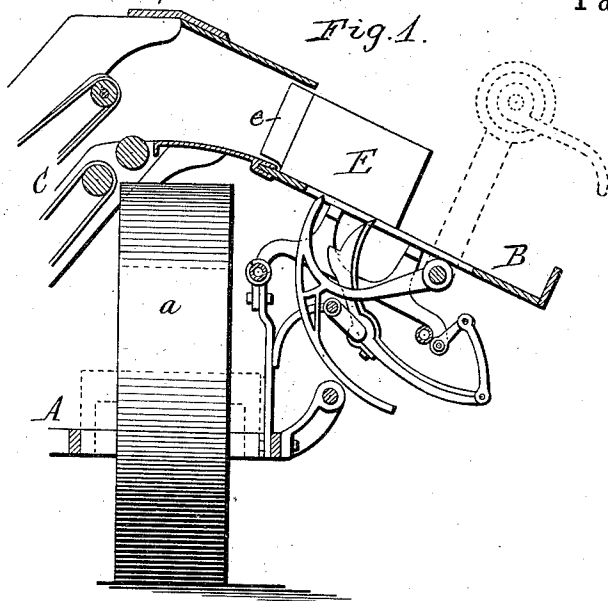


Fig. 3.

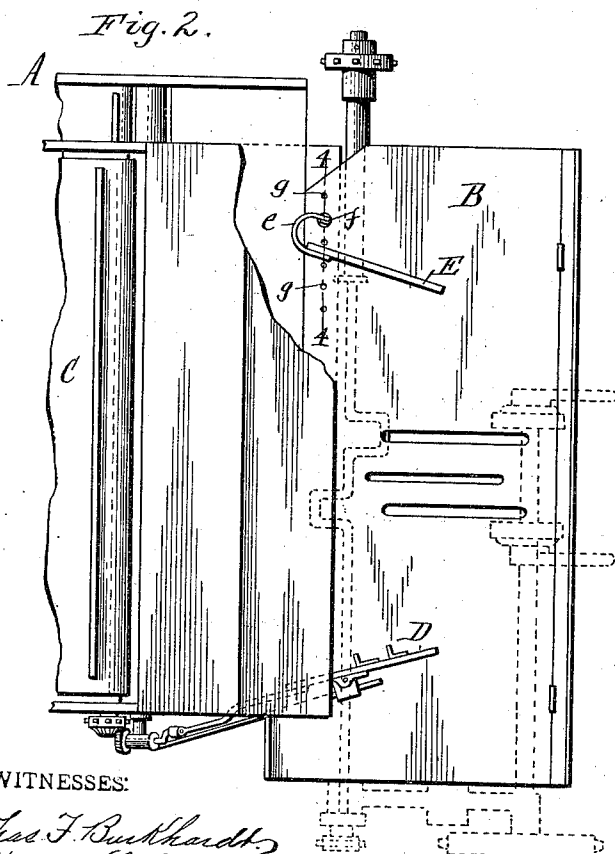
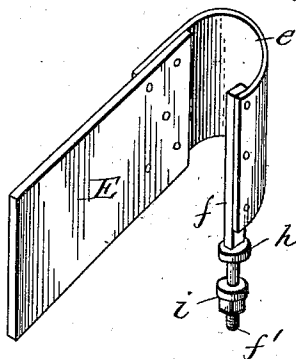
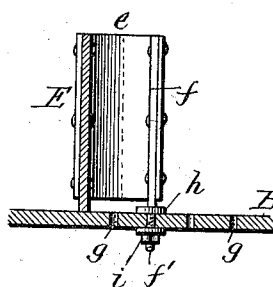


Fig. 4.



WITNESSES:

Chas F. Butthardt
Henry L. Deck

Henry J. Case

INVENTOR.

By Wilhelm Bonnet

ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY J. CASE, OF OWASCO, NEW YORK, ASSIGNOR TO THE JOHNSTON HARVESTER COMPANY, OF BATAVIA, NEW YORK.

GRAIN-HARVESTER.

SPECIFICATION forming part of Letters Patent No. 561,486, dated June 2, 1896.

Original application filed March 18, 1895, Serial No. 542,082. Divided and this application filed August 5, 1895. Serial No. 558,245. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. CASE, a citizen of the United States, residing at Owasco, in the county of Cayuga and State of New York, have invented new and useful Improvements in Grain-Harvesters, of which the following is a specification.

This invention relates to a grain-harvester, and has the object to improve the construction of the head-adjusting board, whereby the heads of the grain are adjusted in passing over the binder-table.

This application is a division of an application for Letters Patent on grain-harvesters filed by me March 18, 1895, Serial No. 542,082.

In the accompanying drawings, Figure 1 is a cross-section of the binder-table and adjacent parts of a grain-harvester provided with my improved head-adjusting board. Fig. 2 is a fragmentary top plan view thereof. Fig. 3 is a detached perspective view of the head-adjusting board. Fig. 4 is vertical section, on an enlarged scale, in line 4 4, Fig. 2.

Like letters of reference refer to like parts in the several figures.

A represents the main frame of the harvester, which is supported at the stubbleward side by a master or drive wheel *a*.

B is the inclined binder-deck, upon which the grain is delivered from the cutter mechanism by the inclined elevator-aprons C and tied into bundles by a tying mechanism of any suitable construction.

D represents the usual butt-adjusting board arranged on the front-end of the binder-deck and engaging with the butt-ends of the grain for straightening the same.

E represents the head-adjusting board arranged upon the rear portion of the binder-deck and engaging with the heads of the grain for straightening the same preparatory to tying the grain into bundles.

e represents an upright spring-plate, whereby the head-adjusting board is yieldingly supported and which also serves as a guide for

directing the grain toward the front side of the head-adjusting board. This spring-plate is secured to the inner or upper end of the head-adjusting board and curves from its point of attachment to the board inwardly, rearwardly, and outwardly to a post *f*, to which it is fastened. This post is provided at its lower end with a screw-threaded shank *f'*, which is secured in one of a transverse row of openings *g* in the binder-deck by a collar *h*, formed on the upper portion of the shank and bearing against the upper side of the binder-deck, and a clamping-nut *i*, applied to the lower end of the shank and bearing against the under side of the binder-deck. By shifting the shank of the supporting-post from one opening *g* to another the head-adjusting board can be adapted to suit different lengths of grain. The heads of the grain strike against the convex inner face of the spring-plate and are guided thereby to the front side of the head-adjusting board, and the latter is at the same time held yieldingly in position on the binder-deck by this plate, so that the board can adjust itself to the length of the grain.

I claim as my invention—

The combination with the binder-deck, of a head-adjusting board arranged on said deck and provided at its receiving end with a spring-plate which is secured with one end to the inner end of said board and which curves inwardly and rearwardly from the face of said board, and a fastening device connecting the opposite end of said spring-plate with the deck, whereby said spring-plate connects the board yieldingly to the deck and presses the board against the grain and also guides the grain to the board, substantially as set forth.

Witness my hand this 31st day of July, 1895.

HENRY J. CASE.

Witnesses:

EDWARD WILHELM,
GEORGE A. FARRALL.