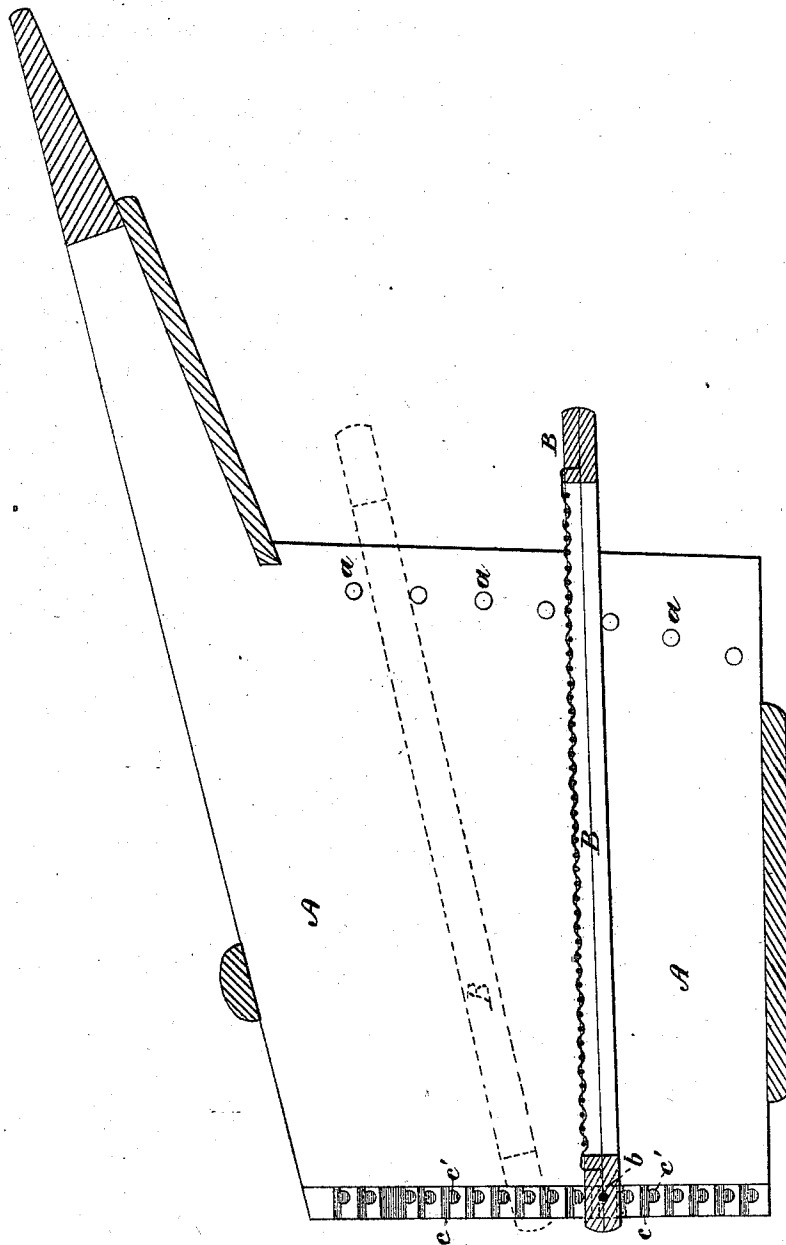


JAMES A. COHOON.

Improvement in Grain Separators.

No. 124,793.

Patented March 19, 1872.



Witnesses:-
W. H. Rowe,
Jesse Taylor.

James A. Cohoon.
by his Atty
Wm. D. Baldwin

UNITED STATES PATENT OFFICE.

JAMES A. COHOON, OF TOLEDO, OHIO.

IMPROVEMENT IN GRAIN-SEPARATORS.

Specification forming part of Letters Patent No. 124,793, dated March 19, 1872.

To all whom it may concern:

Be it known that I, JAMES A. COHOON, of Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Improvement in Grain-Separators, of which the following is a specification:

My invention relates to that part of a grain-separator known as the shaking-shoe; its object is to adjust the angle of the screens or sieves to adapt them to the varying conditions of the grain; and my improvement consists in combining a screen with the shaking-shoe of a grain-separator by means of sockets and pins instead of by the grooves heretofore ordinarily employed for this purpose.

I have found, by experience, my improved mode of combining the screens and shoe preferable to the old mode, as by the latter construction the sieves were apt to bind in the grooves; they likewise had to be drawn entirely out of the shoe before they could be adjusted; and their angle, moreover, could not be varied without having grooves of various angles of inclination.

The accompanying drawing represents a vertical longitudinal section through a shaking-shoe, to which my improvement is applied, the screen being shown in one position by full lines and in another position by dotted lines.

The walls of the shoe A, instead of being grooved, as usual heretofore, have a series of pins, *a*, inserted in them to support one end of a screen, B, which is constructed in any suitable well-known way. The other end of this screen is provided with lugs *b*, which slide in short slots *c*, opening into sockets *c'*.

The screen can readily be removed, replaced, or adjusted at any angle desired by inserting one end between two of the pins *a* and sliding the lugs *b* into one set of the slots *c* until they drop into the sockets *c'*, where they are securely held.

I have found this mode of construction cheap, simple, and effective.

It is obvious that any required number of screens may be used, and their angle of inclination varied relatively to each other.

I claim as my invention—

The combination of the shaking-shoe and screen by means of pins, lugs, and sockets, constructed as described, and operating substantially as set forth.

In testimony whereof I have hereunto subscribed my name.

JAMES A. COHOON.

Witnesses:

WAGER SWAYNE,
NATHAN HARRINGTON.