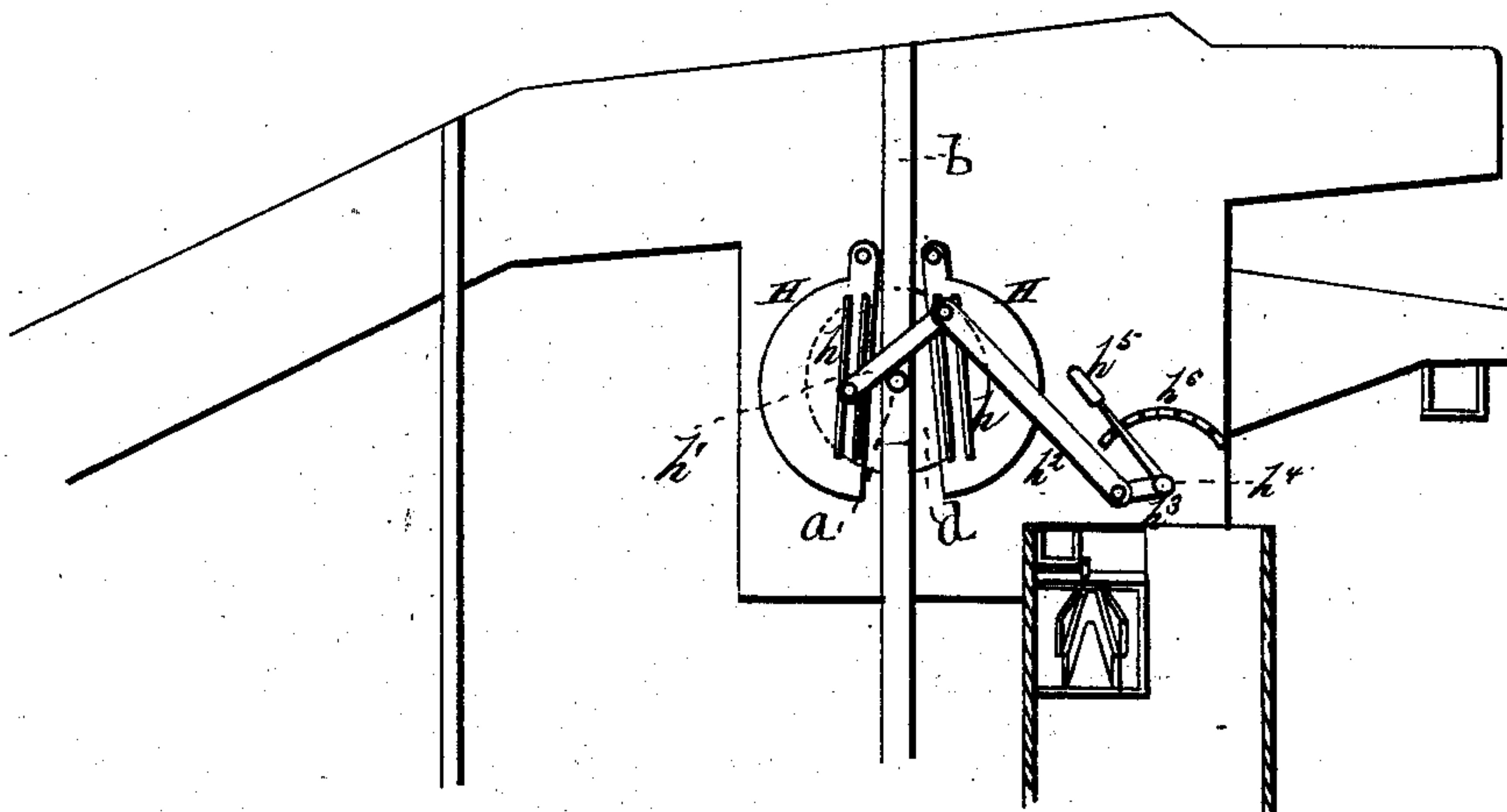


W. H. PARRISH.
Grain-Separator.

No. 224,470.

Patented Feb. 10, 1880.



WITNESSES

Robert Everett
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UNITED STATES PATENT OFFICE.

WILLIAM H. PARRISH, OF SALEM, OREGON.

GRAIN-SEPARATOR.

SPECIFICATION forming part of Letters Patent No. 224,470, dated February 10, 1880.

Application filed April 19, 1879.

To all whom it may concern:

Be it known that I, WILLIAM H. PARRISH, of Salem, in the county of Marion and State of Oregon, have invented certain new and useful Improvements in Grain-Separators; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, in which the figure represents a side elevation of a separator embodying the improvements in my invention.

This invention has relation to grain-separators; and it consists in the improvements in the construction of the same hereinafter fully described, and particularly pointed out in the claim.

Referring to the drawing, H designates wind-boards for regulating the cleaning of the wheat by the windmill. They are provided with channels *h*, set at angles, as shown. These channels are connected by the rod *h'*, by means of studs engaging the channels. A stud, *a*, secured at the center of the opening *d* to an upright, *b*, forms a fulcrum upon which the rod *h'* rests and slides, and by which said rod is converted from a mere connecting-rod into a lever.

*h*² are connecting-rods connecting *h'* and the cranks *h*³ on the-shaft *h*⁴, and *h*⁵ is a lever rigid on the shaft *h*⁴, and engaging the segment rack or ratchet *h*⁶.

By adjusting the lever *h*⁵ in the ratchet *h*⁶ the operator can regulate the wind-boards H to suit the prevailing currents of wind, and thereby, while cleaning the wheat, prevent it from being blown over the riddles and wasted.

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

In a grain-separator, the wind-boards H, provided with channels *h*, in combination with the connecting-lever *h'* and pitmen *h*², crank *h*³, shaft *h*⁴, lever *h*⁵, and segment-rack *h*⁶, constructed and operating substantially as and for the purposes set forth.

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

WILLIAM HENRY PARRISH.

Witnesses:

MATHIAS U. GORTNER,
J. J. SHIPLEY.