

D. B. SEIBERT.
Fanning-Mill.

No. 217,645.

Patented July 15, 1879.

Fig. 1.

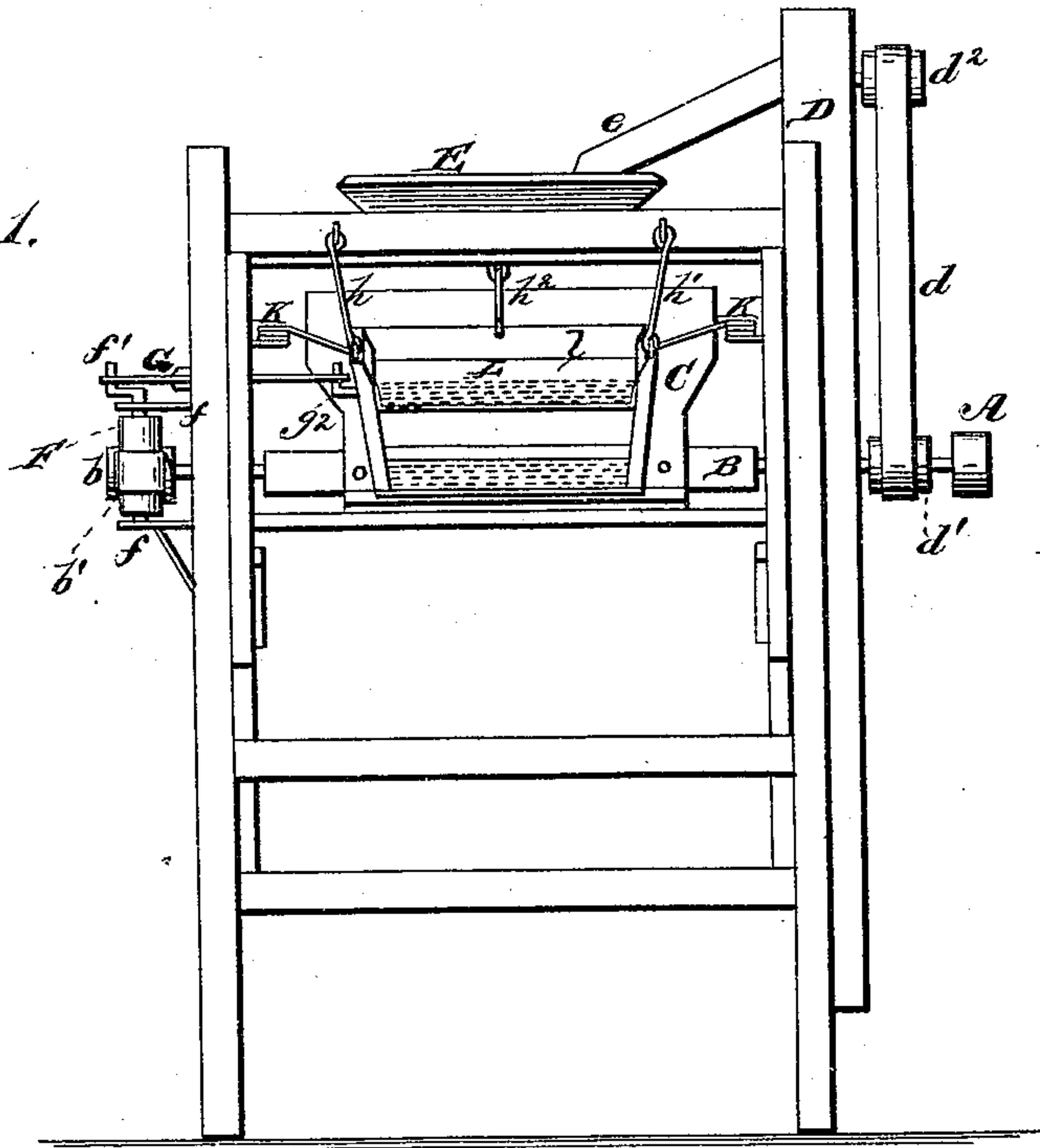
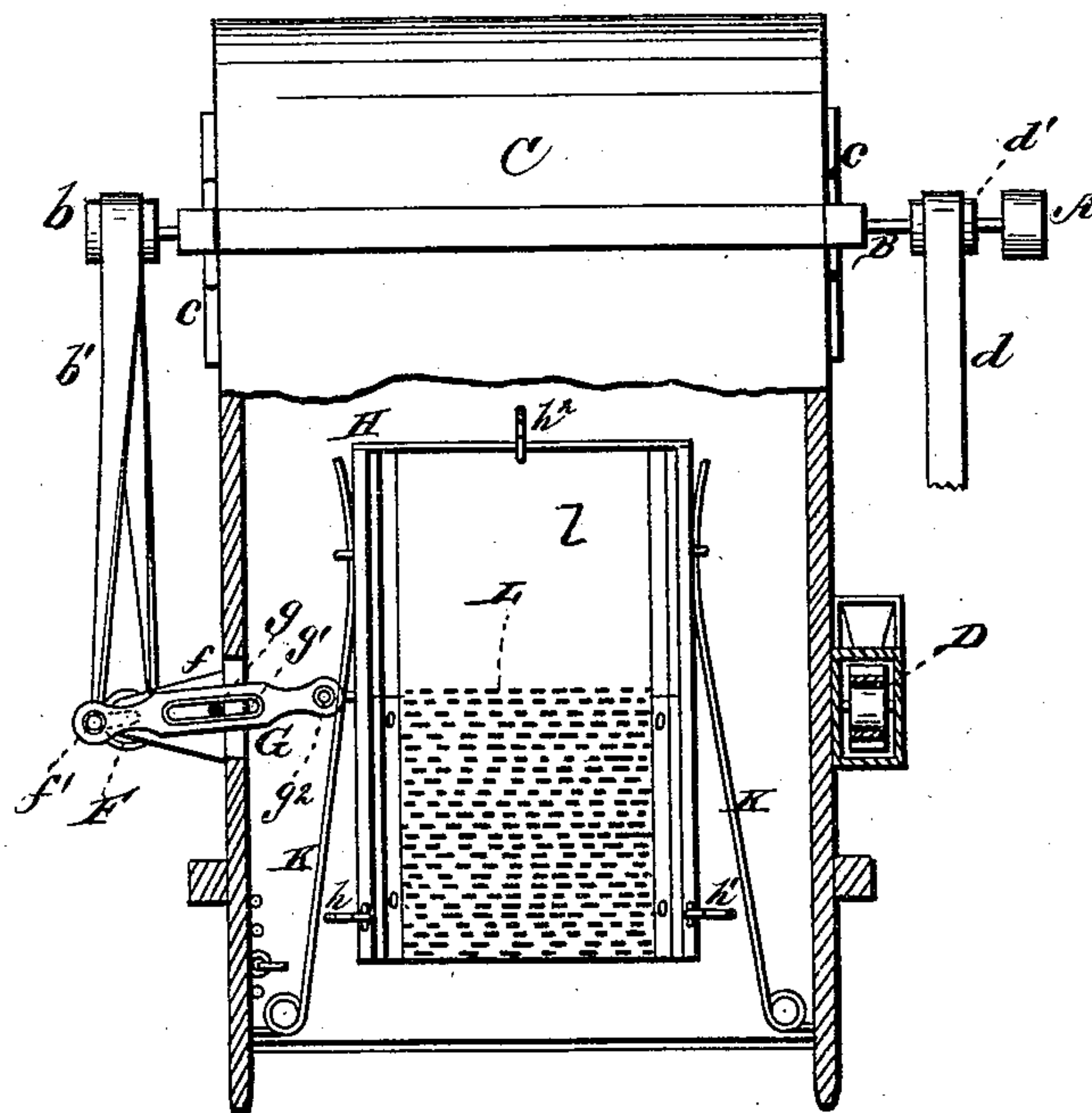


Fig. 2.



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DANIEL B. SEIBERT, OF CLEAR SPRING, MARYLAND.

IMPROVEMENT IN FANNING-MILLS.

Specification forming part of Letters Patent No. **217,645**, dated July 15, 1879; application filed May 10, 1879.

To all whom it may concern:

Be it known that I, DANIEL B. SEIBERT, of Clear Spring, in the county of Washington and State of Maryland, have invented certain new and useful Improvements in Fanning-Mills; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of an end elevation of my fanning-mill; and Fig. 2 is a plan view, partly in section.

Identical parts in these drawings are designated and referred to by the same letters.

My invention relates to fanning-mills, and can be readily attached to a thrashing-machine or clover-huller, to complete the cleaning of the grain or seed suitable for the market; and it consists in means for imparting a peculiar circular motion in connection with a reciprocating latitudinal motion, as the same will herein more fully appear.

A is the driving-pulley attached to the fan-shaft B. A belt from the thrashing-machine or clover-huller may be placed upon this pulley, or the fanning-mill may be driven by hand by the common devices.

C is the fan, provided with the adjustable wind-boards *c c*, and D is an elevator for raising the grain or seed as the same comes from the thrashing-machine or clover-huller to the hopper of the fanning-mill. This elevator is operated by the belt *d*, which works from the pulley *d*¹ on the fan-shaft to the pulley *d*², which is attached to the upper shaft of the elevator. From the elevator the grain or seed is conveyed to the hopper E by the conductor *e*.

Upon the opposite end of the fan-shaft from the driving-pulley is a pulley, *b*. The belt *b*¹ works from this pulley, and by a quarter-turn drives the vertical pulley F, which is attached to the outside of the fanning-mill by the bracket-boxes *f f*. Upon the overhung end of the shaft of this pulley F is a crank, *f*¹, to which

is attached the lever G. This lever G is pivoted upon the bolt *g*, which passes through the slot *g*¹. The inner arm of this lever engages a hook, *g*², of the shoe or riddle-rack H.

The shoe or riddle-rack H is suspended by the three links *h h*¹ *h*², and the springs K K, which are attached to the inner side of the walls of the fanning-mill, extend rearwardly and bear upon the sides of the riddle-rack.

The operation of the crank *f*¹, slotted lever G, and springs K K upon the riddle-rack is to give the same a circular and latitudinal compound motion, and the suspension-links add a slight vertical motion. I find that these combinations of motions are best calculated to screen the grain or seeds.

Under the hopper there is a solid plate or portion, *l*, of the screens L. The object of this construction is to prevent straws and sticks from entering the meshes or openings in the screens in a vertical position as they come from the hopper. This insures the straws, &c., being placed upon the screen in a horizontal position, avoiding any clogging of the screens, and providing for the passing out of the fanning-mill of all straws and sticks which may reach the hopper.

I do not confine myself to any particular number or construction of screens or riddles.

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

1. In a fanning-mill, the slotted lever G, in combination with the crank *f*¹ and the riddle-rack H, pivoted directly to the lever, as and for the purposes substantially as set forth.

2. In a fanning-mill, the combination, with the riddle-rack, of the slotted lever G, the crank *f*¹, the springs K K, and the links *h h*¹ *h*², substantially as set forth.

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

DANIEL BREWER SEIBERT.

Witnesses:

JACOB RICKERT SWORD,
GEORGE ANDREW WARNER.