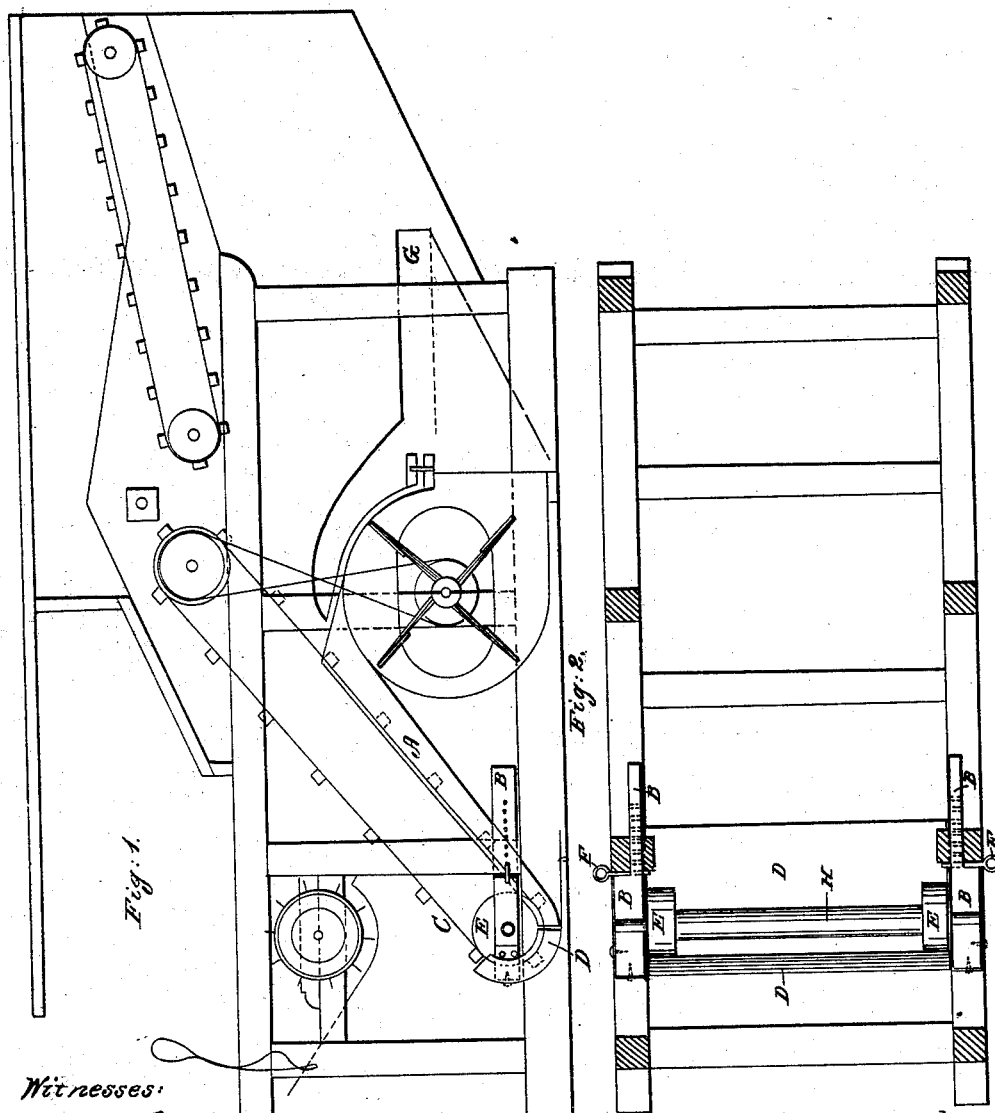


S. SPENCER.
Thrashing Machine.

No. 48,108.

Patented June 6, 1865.



Witnesses:
D. A. M. W. H.
R. W. Jacobs.

Inventor:
S. Spencer.

UNITED STATES PATENT OFFICE.

SAML. SPENCER, OF GROTON, NEW YORK.

IMPROVEMENT IN THRASHING-MACHINES.

Specification forming part of Letters Patent No. 48,108, dated June 6, 1865.

To all whom it may concern:

Be it known that I, SAMUEL SPENCER, of the town of Groton, in the county of Tomkins and State of New York, have invented a new and useful Improvement in Thrashing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side elevation; and Fig. 2 is a transverse section, showing the lower frame of the machine with the upper part of the frame and machinery removed.

The nature of my invention consists in providing the lower end of the elevator C with a concave, D, for the purpose of catching any grain or chaff that may be brought down the floor A under the elevator C, so that the elevator C may again carry it up and deposit it on the sieves in the shoe G.

I construct my machine in the usual form that separating machinery for thrashing and separating grain are constructed. I provide it with a floor, A, under the elevator C, and also provide the lower end of the elevator C with a regulating or tightener block, B. This block B for tightening and regulating the elevator C is made adjustable by the means of the holes shown in Fig. 1 by dots and in Fig. 2 by dotted lines and the pins F F. Fig. 2. The shaft H, on which the pulleys E E turn, is fastened in these regulating or tightening blocks B B, so that when the blocks B B are moved forward and the pins F F are inserted it tightens and regulates the elevator C, or vice versa, when wished or required.

Now, I will proceed to describe the construction and operation of my improvement, to enable others skilled in the art to make and use the same.

I take of wood, sheet-iron, or tin, or any other metal suitable for the purpose, and curve or form one end of it so that the curve will fit closely as possible to the elevator C, where the elevator C forms a curve, by passing around the pulleys E E, and so that the other end of this concave D will fit closely to the lower end of the floor A under the elevator C. This concave D, I fasten to the tightening and regulating blocks B B at the proper distance from the elevator C, so that when the blocks are moved or regulated the whole is moved—that is, the concave D is moved when the elevator C is moved.

The object of this improvement is that, in providing the lower end of the elevator C with this adjustable concave D, when grain, chaff, or straw from dampness or any other cause adheres to the elevator C and is carried under the machine, or by reason of headwind or any other cause is carried under the elevator C by means of this concave D, instead of falling on the floor to be cleaned by manual labor, it is again carried up by the elevator C and deposited on the sieves to the shoe G. It is also a protection to the elevator C.

Having described the construction and operation of my improvement sufficiently to enable others skilled in the art to make and use the same, I will proceed to state what I claim as new and desire to secure by Letters Patent of the United States—

The concave D, when attached to the regulating and tightening blocks B B to render it adjustable with the elevator C, when constructed and operated as above described.

SAMUEL SPENCER.

In presence of—

D. H. MARSH,
R. W. JACOBS.