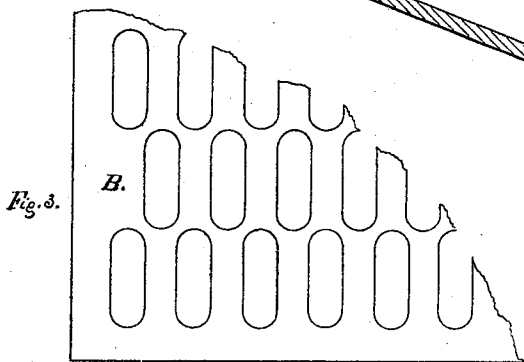
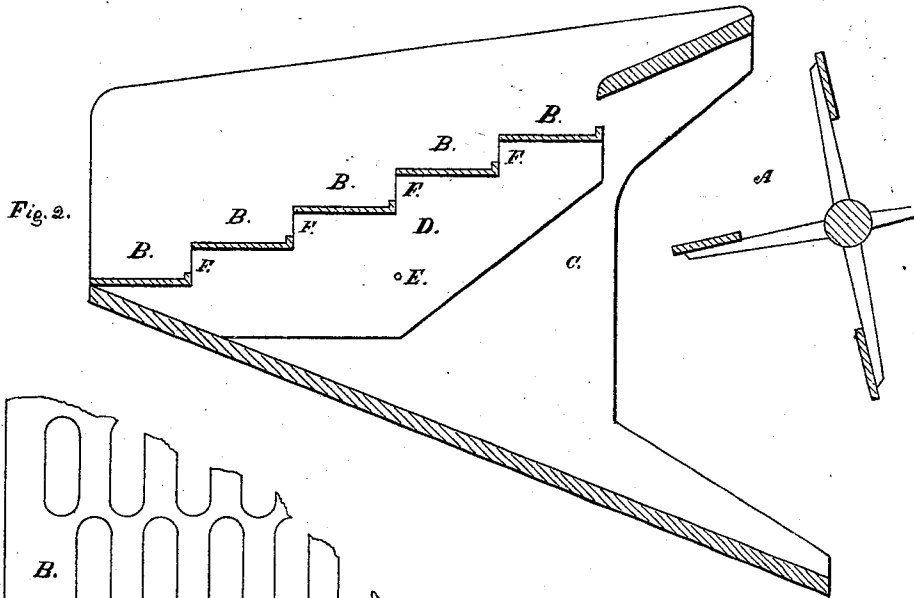
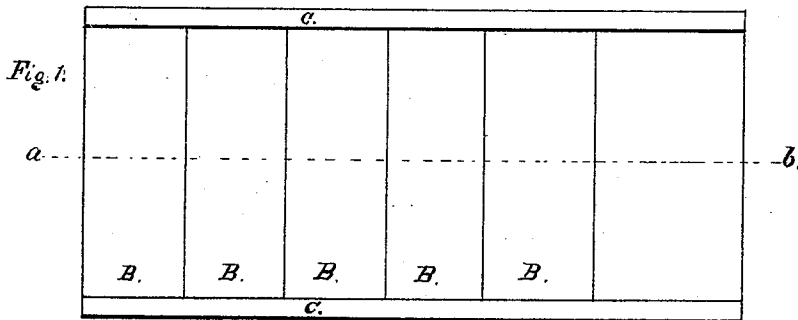


E. DOUD.

Sieves for Grain-Separators.

No. 141,637.

Patented August 12, 1873.



WITNESSES.

W. G. Ritch
Nellie Ritch

Elihu Doud

INVENTOR.

UNITED STATES PATENT OFFICE.

ELIHU DOUD, OF OSHKOSH, WISCONSIN.

IMPROVEMENT IN SIEVES FOR GRAIN-SEPARATORS.

Specification forming part of Letters Patent No. **141,637**, dated August 12, 1873; application filed July 1, 1872.

To all whom it may concern:

Be it known that I, ELIHU DOUD, of Oshkosh, county of Winnebago, State of Wisconsin, have invented certain Improvements in Grain-Separator Sieves, of which the following is a specification:

My invention relates to that class of sieves in grain-separators in which a series of sections or planes (arranged crosswise) rise one above the other in steps, with vertical openings (facing the blast) between the planes or sections of the sieves; and my invention consists in so hanging or balancing such a sieve in the ordinary shoe of grain-separators in such a manner as will conveniently admit of an adjustment of the sieves. The sieves may be constructed of metallic plates, closely set with perforations, elongated or elliptical, in the direction of the blast, or round, according as the sieve may be required either for use with a thrashing-machine or the shape of the seed to be winnowed.

Figure 1 is a top view of the shoe of a grain-separator and sieve embodying my invention. Fig. 2 is a vertical longitudinal section of the shoe and fan. Fig. 3 is a fragment of a sieve, showing the elongated perforations.

C is the shoe of a grain-separator. D is the end piece of the sieve-frame. E is one of two pivots in the opposite sides of the sieve, which supports the sieve in the shoe and admits of adjustment from a plane to an incline, or the reverse, in the application of the blast, according as the condition of the seed may require.

I do not wish to limit myself to the use of the particular device above described for changing the position of the sieve, for the reason that the same results may be obtained by devices attached to other parts of the sieve.

B B B B is the sieve, arranged crosswise in a series of sections or planes. F F F F are vertical openings between planes, and admit a free blast, especially when adjusted to the thrashing-machine or for chaffing.

I claim as my invention—

The step-shaped sieve or sieve-frame D, combined with and adjustably secured in the shoe C, substantially as and for the purposes described.

ELIHU DOUD.

Signed in presence of—
W. G. RITCH,
NELLIE RITCH.