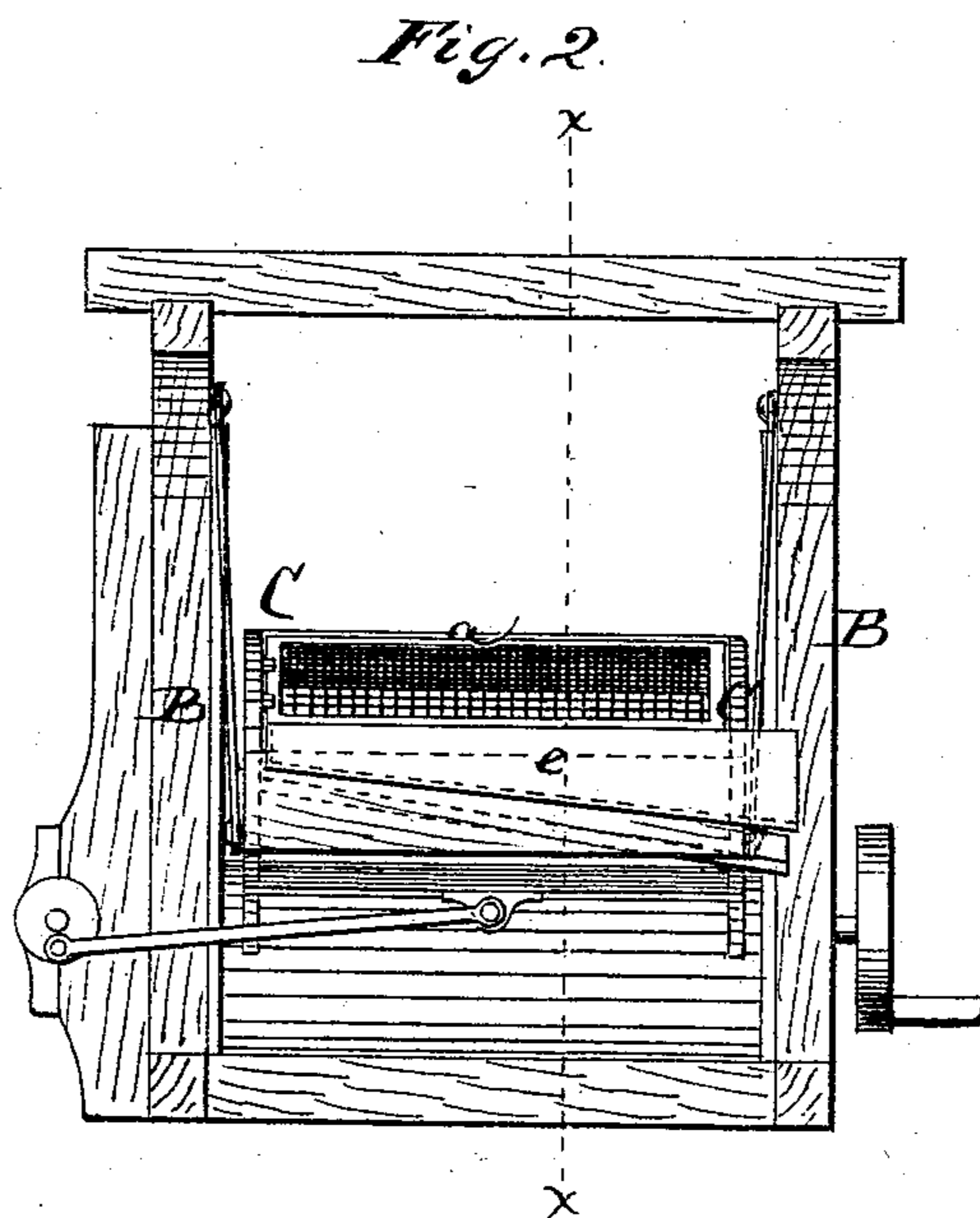
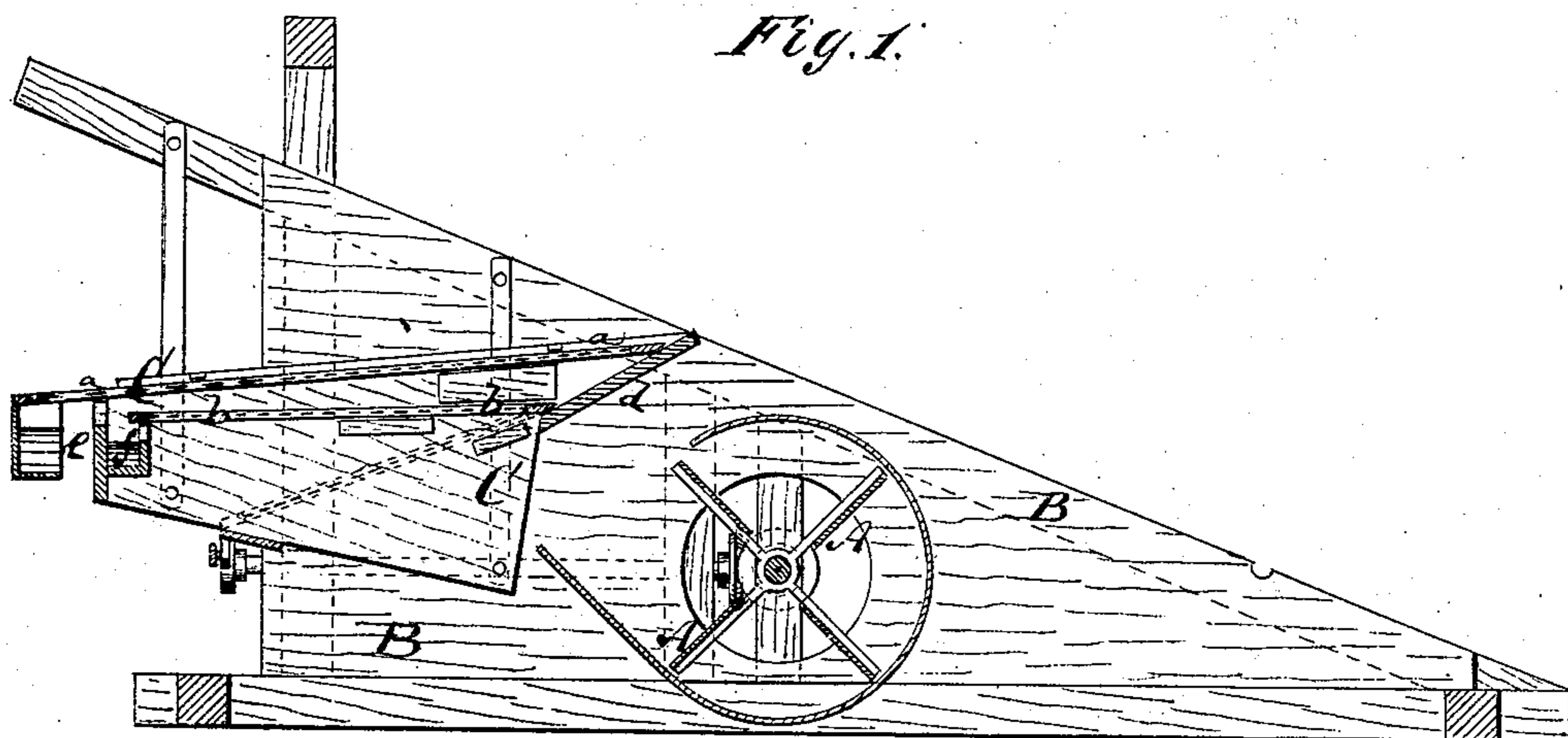


JOHN A. LUTZ.

Improvement in Thrashing-Machines.

No. 127,494.

Patented June 4, 1872.



Witnesses:

E. Wolff.
Geo. W. Mabee

Inventor:

John A. Lutz

PER

Munn & Co.

Attorneys.

UNITED STATES PATENT OFFICE.

JOHN A. LUTZ, OF BUCYRUS, OHIO.

IMPROVEMENT IN THRASHING-MACHINES.

Specification forming part of Letters Patent No. 127,494, dated June 4, 1872.

Specification describing a new and useful Improvement in Thrashing-Machines, invented by JOHN A. LUTZ, of Bucyrus, in the county of Crawford and State of Ohio.

Figure 1 represents a vertical longitudinal section of my improvement in thrashing-machines. Fig. 2 is an end view of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to adapt an ordinary grain-thrasher for immediate use in cleaning timothy. At present, thrashing-machines, though provided with means for cleaning wheat, are not arranged to clean timothy, for which, consequently, a second machine, a clover-huller, must be used subsequent to the process of thrashing. This makes the manipulations of timothy both tedious and costly. My invention consists in providing an ordinary thrashing-machine with means whereby it can be used for cleaning timothy—*i. e.*, with an additional peculiar set of sieves secured in the shoe in place of the wheat-riddles.

A in the drawing represents the ordinary fan attachment of a thrashing-machine; B, its frame. C is the vibrating shoe, in the lower part of which the ordinary wheat-riddle is placed (but not shown) when wheat is to be cleaned. The said wheat-riddle is exposed to the blast of the fan. My invention consists in the arrangement of two additional riddles or sieves, *a* and *b*, which are placed in the shoe C,

higher than the wheat-riddle, when the latter is removed, and back of a shield, *d*, which protects them from the blast of the fan. The upper riddle *a* projects considerably beyond the lower, as shown, and connects with a trough, *e*, into which it discharges all unhulled seeds and remaining heads or parts of heads. From the trough *e* such material is conveyed to the elevator, which is slightly lengthened for the purpose, and therein carried back to the thrashing apparatus for subsequent action. The upper riddle has its outer part made with larger meshes than the inner, as indicated in Fig. 1, so as to use such coarse part only as a conveyer for the larger material to the trough *e*. The second riddle *b* completes the process, and discharges into a trough, *f*.

When wheat is to be thrashed the riddles *a* and *b* are taken off and ordinary wheat-riddles put in their place.

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

The combination of fan A, shield *d*, riddles *a* and *b*, and troughs *e* and *f*, all constructed and arranged substantially as and for the purpose described.

J. A. LUTZ.

Witnesses:

S. R. HARRIS,
C. H. ROWSE.