

G. W. SCOTT & T. J. MOORE.
Improvement in Thrashing-Machines.

No. 131,790.

Patented Oct. 1, 1872.

Fig: 2.

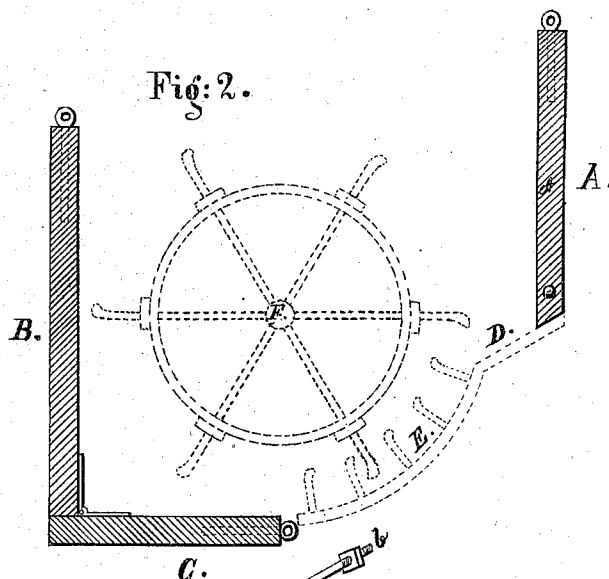
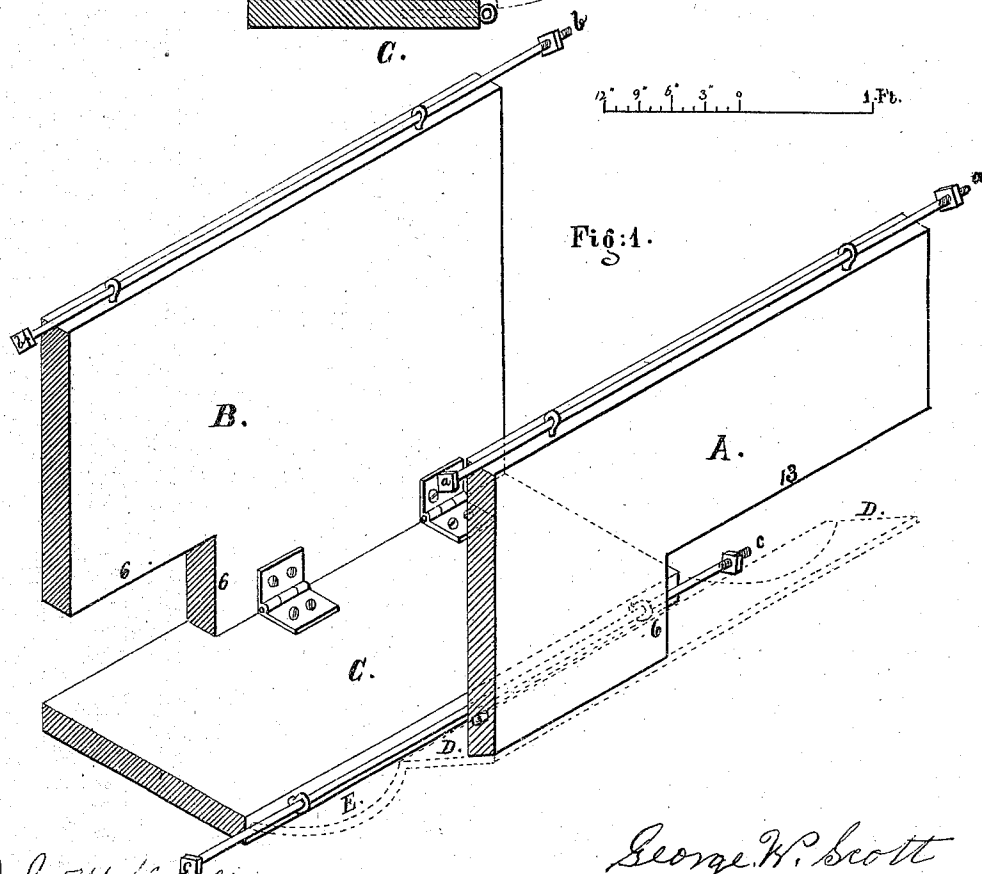


Fig: 4.



John M. Hamilton
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UNITED STATES PATENT OFFICE.

GEORGE W. SCOTT AND THOMAS J. MOORE, OF BLOOMINGTON, ILLINOIS.

IMPROVEMENT IN THRASHING-MACHINES.

Specification forming part of Letters Patent No. 131,790, dated October 1, 1872.

To all whom it may concern:

Be it known that we, GEORGE W. SCOTT and THOMAS J. MOORE, as joint inventors, of Bloomington, in the county of McLean and State of Illinois, have invented certain Improvements in Thrashing-Machines for Hulling Clover, of which the following is a specification:

The following is a description of our newly-invented improvement or attachment for machines for thrashing wheat, oats, and other small grains.

The invention is designed to be attached to any thrashing-machine, thrashing small grain, for the purpose of hulling clover-seed from the straw and cleaning it ready for market.

Figure No. 1.—In the drawing, A is an upright board standing in front of the cylinder, and concave, and resting against the cap over the cylinder. This upright piece is designed to be of hard lumber about one inch thick, and lined on the inside with sheet-iron. It should be about ten inches high and from two feet four inches to two feet six inches in length, according to width of machine. This piece is fastened at the top by an iron rod (half-inch) passing through eyelet-rods and through the side arms of the machine; being fastened at one end by a screw and nut.

In the drawing, *a a* represent the rod. The piece is further secured at the left hand lower end by a dowel-pin passing into a socket in the side timbers of the machine. In the right hand lower corner of this piece, and extending from the lower edge upward, is an opening, which may be about six inches high and thirteen inches long, represented in the drawing by Figs. 6 and 13. B (Fig. 1) represents the second piece of our invention, and is also an upright of the same outside dimensions as A, except that it is a few inches higher and is also lined with sheet-iron next the cylinder. This piece stands upright just behind the cylinder and facing toward it. It is secured at the top by a rod passing through the sides of the machine and through eyelet-rods on the upper edge of the piece. At the bottom it is fastened to C by heavy iron hinges. This piece

has an opening at the left hand lower corner, which is about six inches by six inches, represented in drawing by the Figs. 6 and 6. This piece is designed to be about fourteen inches in height. C (Fig. 1) represents the third piece. This piece is designed to take the place of the back section of the concave in a thrashing-machine, or what is usually termed the false concave. This false concave in machines is taken out and the piece C is put in its place. It is from eight to ten inches in width, and is made of the same material, and is of the same length as A and B, and is lined on the upper face or side with sheet-iron. It is fastened at the rear edge to C by hinges, as above described, and at the front edge is fastened by an iron rod passing through the machine and eyelets on the edge, in the same manner as pieces A and B. D and E in the figure represent the ordinary sections of the concave of a thrashing-machine containing upright teeth, (Fig. 1.) In Fig. 2, A represents the end of front piece facing inward; B, the back piece facing toward cylinder; *c*, the end of piece C, substituted for false concave; D and E, sections of true ordinary concave. F represents the end of cylinder.

This improvement being attached to the machine, the clover-straw is fed in at the aperture in A. It is then forced diagonally down, through and across the concave and passes out at the aperture in B to the straw-carrier. Ordinary fine riddles are then used in the cleaning apparatus behind. By this means the clover-seed is thoroughly hulled and cleaned.

Having described our invention, what we claim as new and desire to secure by Letters Patent, is—

The box attachment for thrashing-machines herein described and shown, consisting of the pieces A B C, when constructed, combined, and applied in the manner described, and for the purpose set forth.

GEORGE W. SCOTT.
THOMAS J. MOORE.

Witnesses:

JOHN M. HAMILTON,
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