

No. 44,224.

PATENTED SEPT. 13, 1864.

G. L. SHELDON.
THRESHING MACHINE.

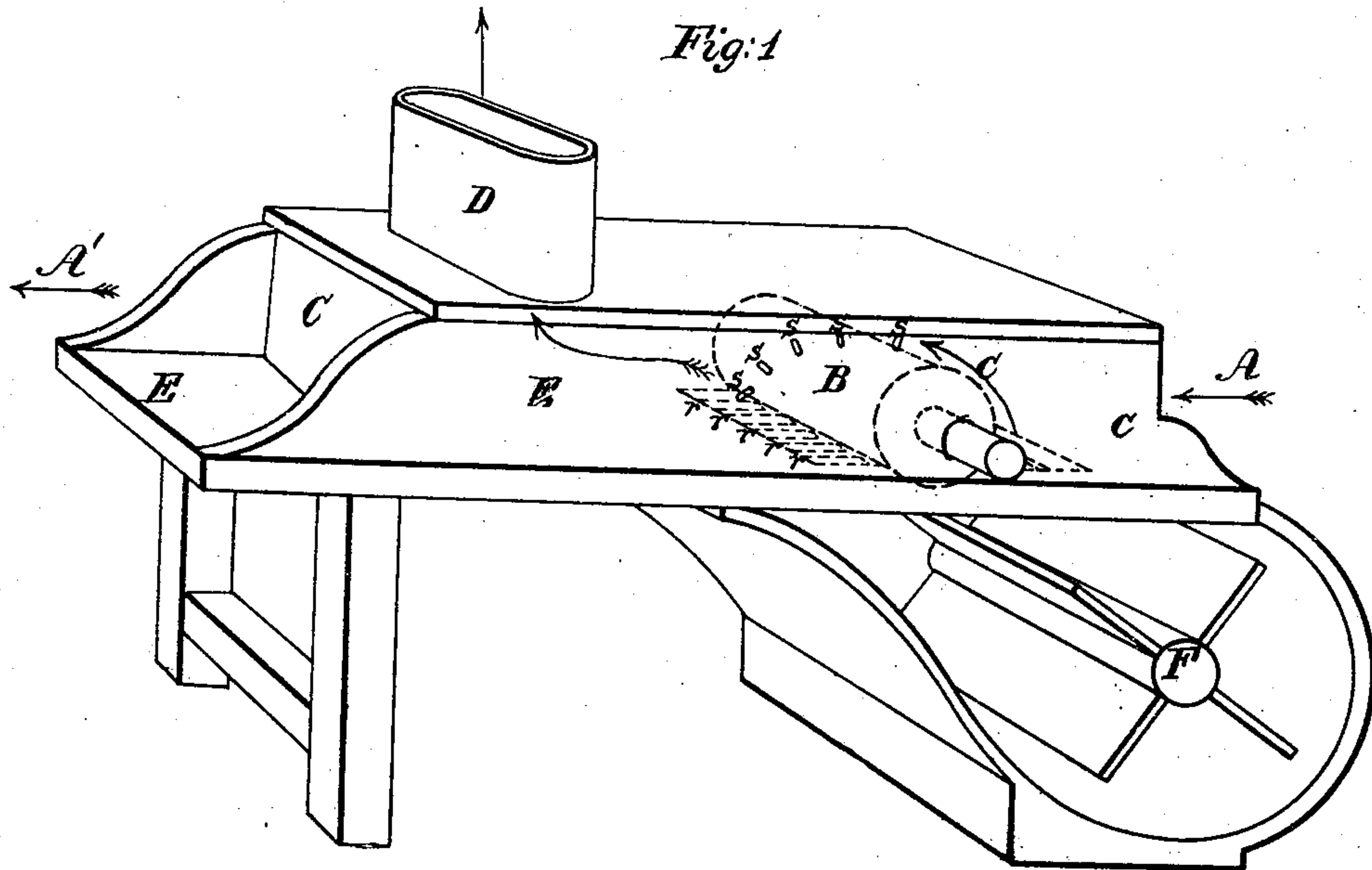
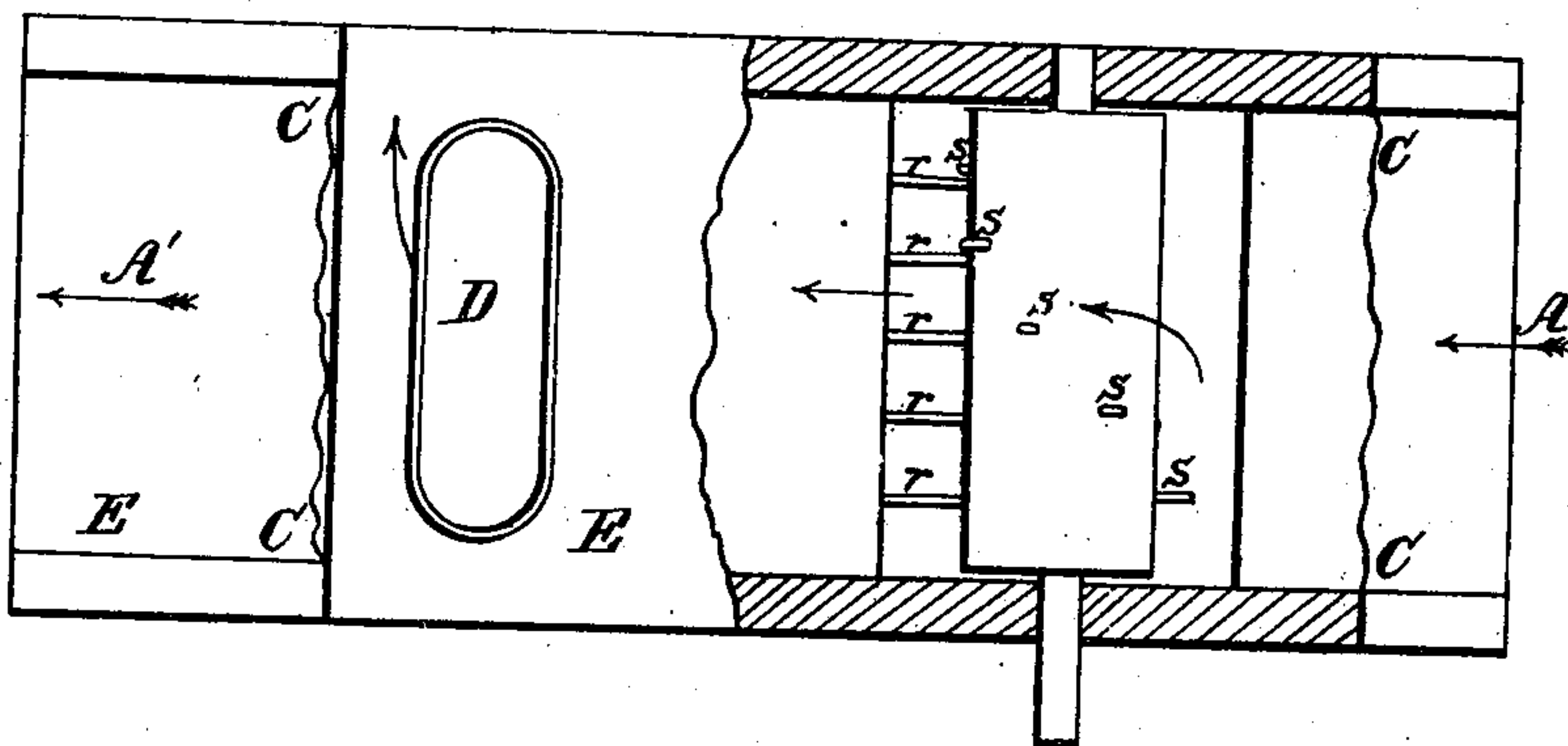


Fig. 2.



Witnesses;
S. W. Wright
Amos Warner.

Inventor;
Gilbert L. Sheldon

UNITED STATES PATENT OFFICE.

GILBERT L. SHELDON, OF NEW MARLBOROUGH, MASSACHUSETTS.

THRASHING-MACHINE.

Specification forming part of Letters Patent No. 44,224, dated September 13, 1864.

To all whom it may concern:

Be it known that I, GILBERT L. SHELDON, of New Marlborough, in the county of Berkshire and State of Massachusetts, have invented a certain 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 perspective view, and Fig. 2 is a horizontal elevation, of my said invention.

The same letters indicate like parts in both the figures.

The nature of my invention consists, first, in so forming and inclosing the ordinary box of the thrashing-machine as to make a dust-box of the same, in such a way as to prevent the dust from escaping, except in the manner invented by me and described as follows; second, the nature of my invention further consists in attaching in any suitable way to the said box of the machine a pipe, flexible or otherwise, by means of which the dust arising from the thrashing may all be conducted away; third, the nature of my invention further consists in attaching and combining with the thrashing-cylinder a row or set of knives, which are so arranged in connection with said cylinder as that when the straw is damp, or from any cause clings and winds up upon the cylinder, the said knives intervening between the stubs or teeth of the thrashing-cylinder, in the nature or arrangement of a sausage-machine, will cut and release the said straw, thus altogether overcoming several very grave objections and disadvantages attending the use of thrashing-machines as now ordinarily constructed.

In the drawings, E is the box or body of the machine. B is the thrashing-cylinder, and C C are flaps or curtains, attached, as shown in Fig. 1, in such a manner as that the straw to be thrashed can be fed underneath the front curtain at A, and thence, after passing in contact with the thrashing-cylinder, will be ejected from underneath the rear curtain,

as at A'. These flaps or curtains are retained in appropriate position by their weight or stiffness and by the straw as it is being passed into or out from the machine, and so, in combination with the body of the machine, form a box, dust-tight or nearly so.

D is a pipe attached to E, formed and adjusted in any suitable manner, and of any convenient length and size, and communicating with the interior of the machine. The action of the cylinder will create a current of air, and the dust will pass out through the pipe D, as indicated by the curved arrow, or without the pipe D it will pass out with the straw, the rear curtain being removed for that purpose.

In Figs. 1 and 2 it will be seen the stubs or teeth s s s s of the thrashing-cylinder B are intersected by the knives r r r r, Fig. 2, which are attached to the body of the machine in any suitable or convenient way, as plainly shown in the figures. These knives reach out to the cylinder B. The sharpened or cutting sides of these knives are set adversely to the revolutions of the cylinder, so that any straw which may wind or entangle itself upon the cylinder will be immediately cut and released therefrom.

The improvements herein described by me may be variously modified and arranged, all, however, without affecting the character and principles of my invention.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. The introduction and use of the knives r r r r r, when constructed in the manner as and for the purposes described.

2. The combination, in thrashing-machines, of the dust box and flaps C C, pipe D, and knives r r r r r, substantially in the manner and for the purposes described.

GILBERT L. SHELDON.

Witnesses:

S. W. WRIGHT,
AMMI WORSNER.