

F. A. & C. W. OLDS.  
Dust Arrester and Conveyer for Thrashing-Machines.  
No. 226,344. Patented April 6, 1880.

Fig. 1.

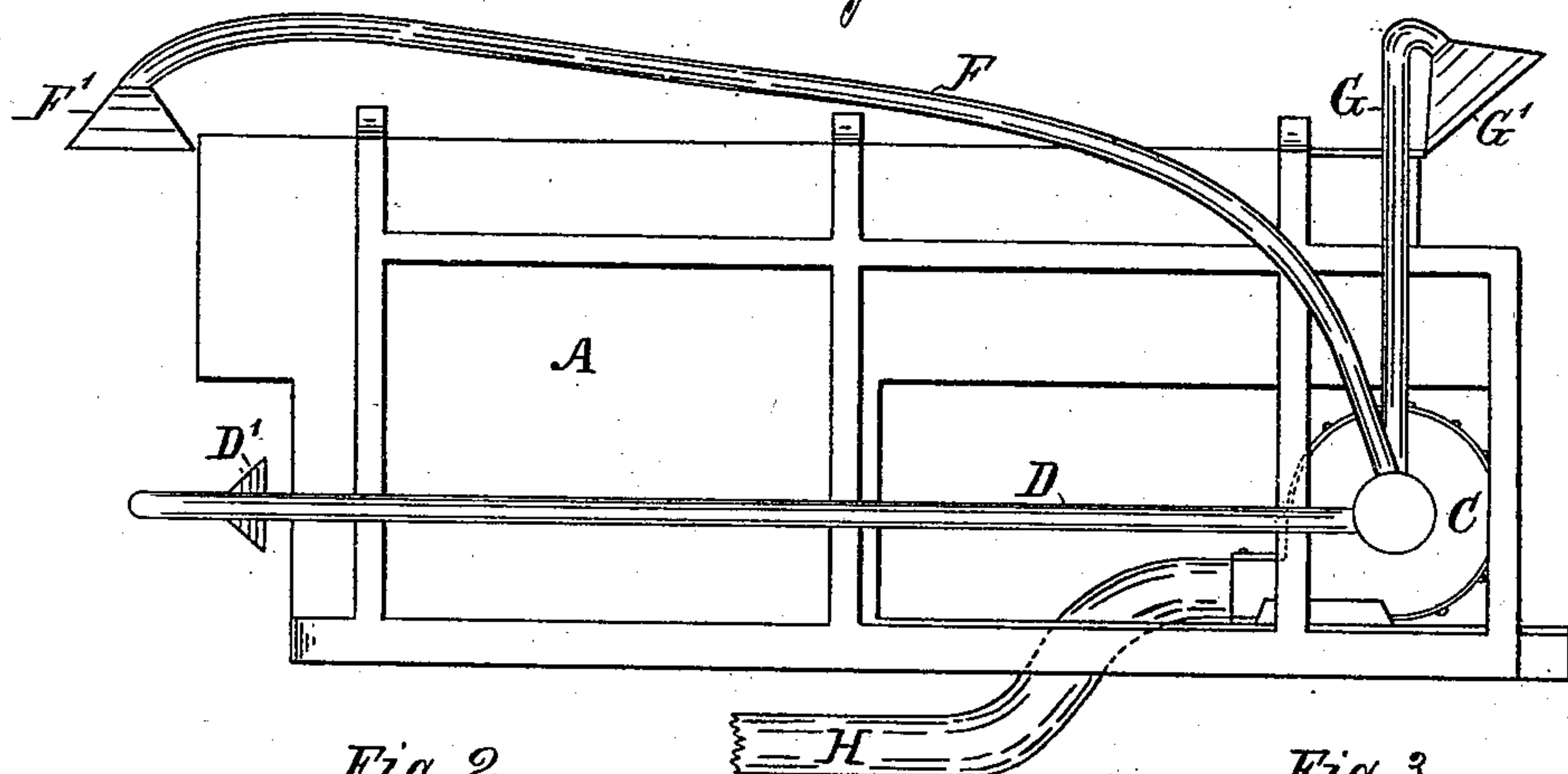


Fig. 2.

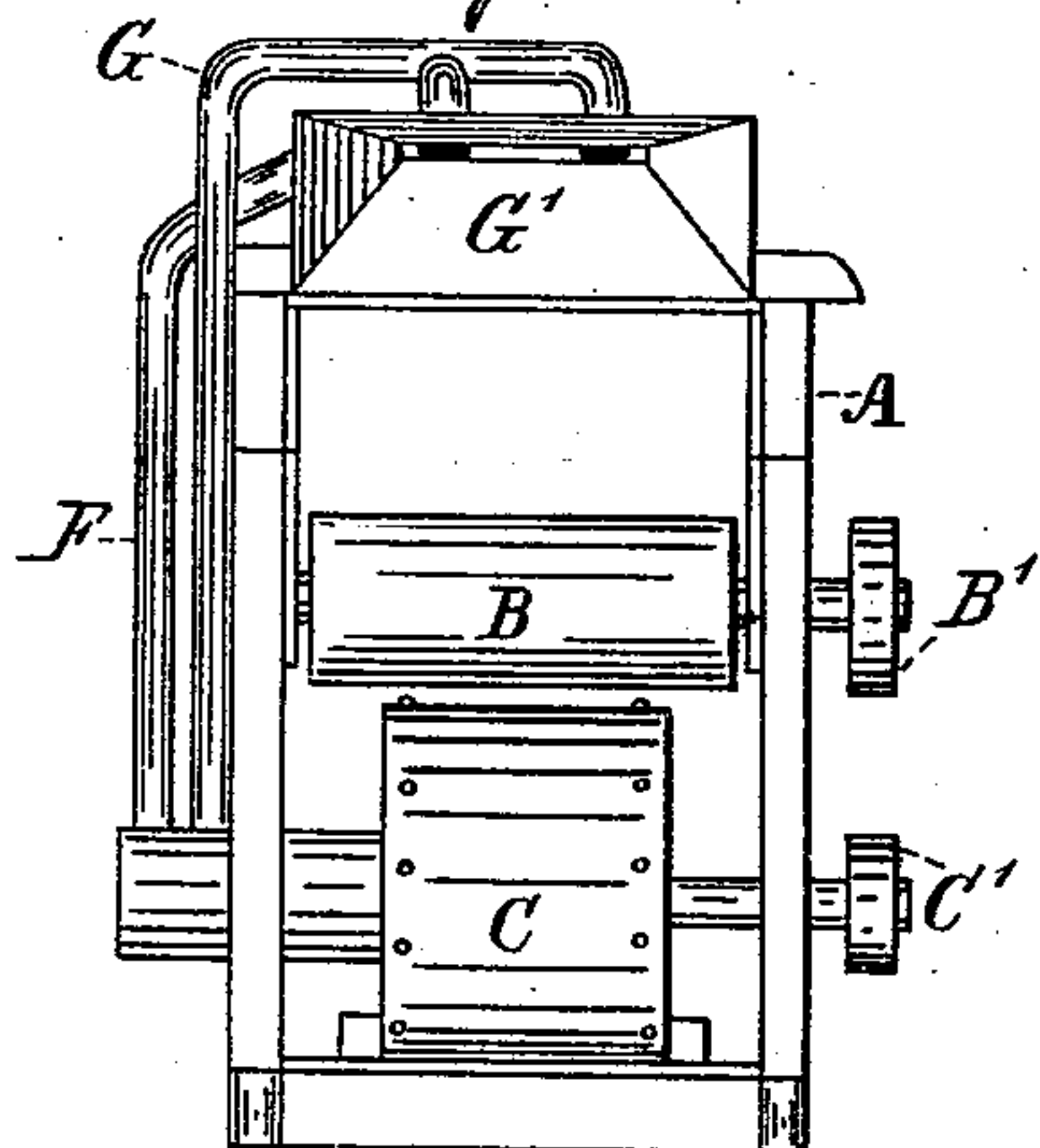


Fig. 3.

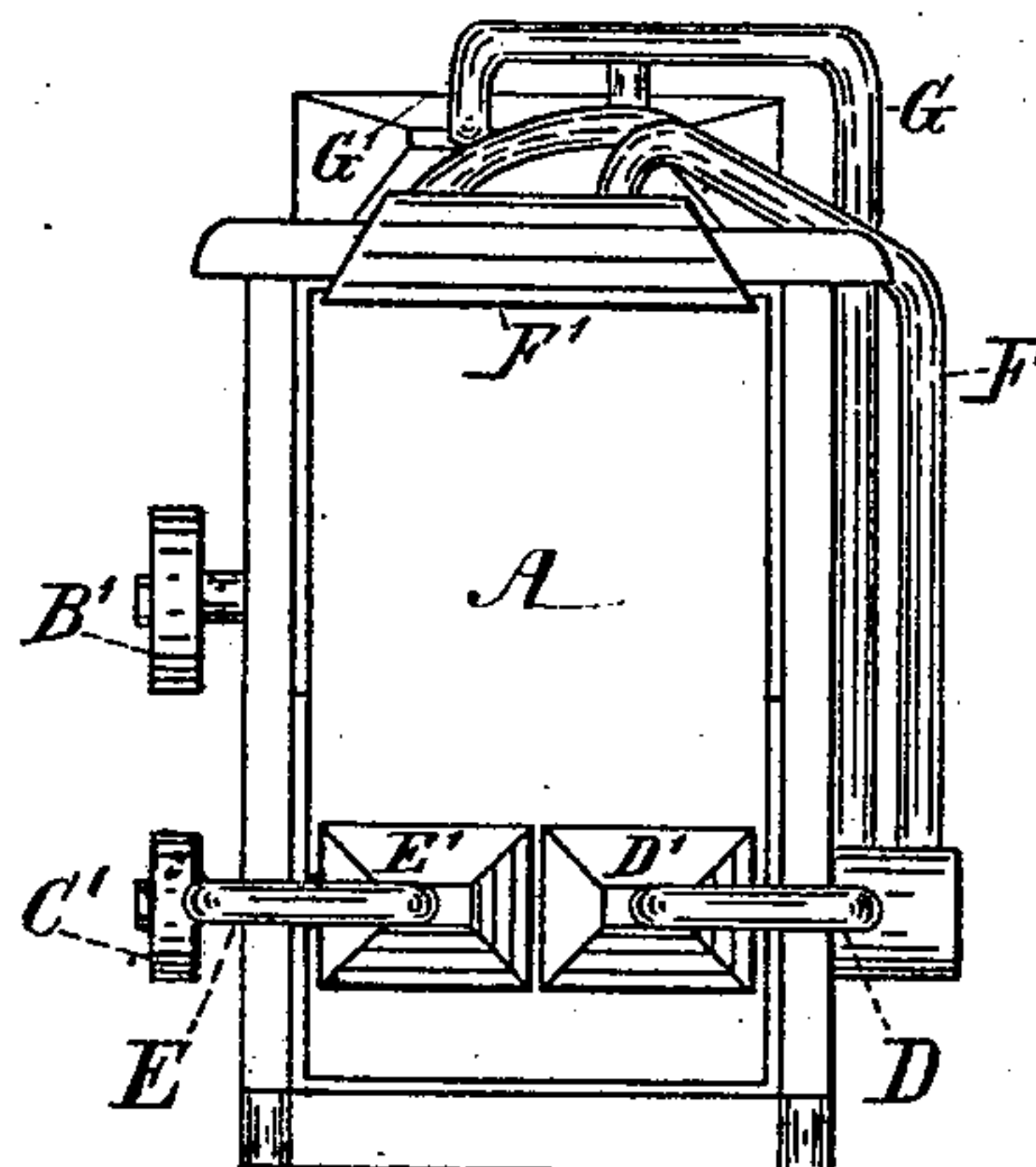
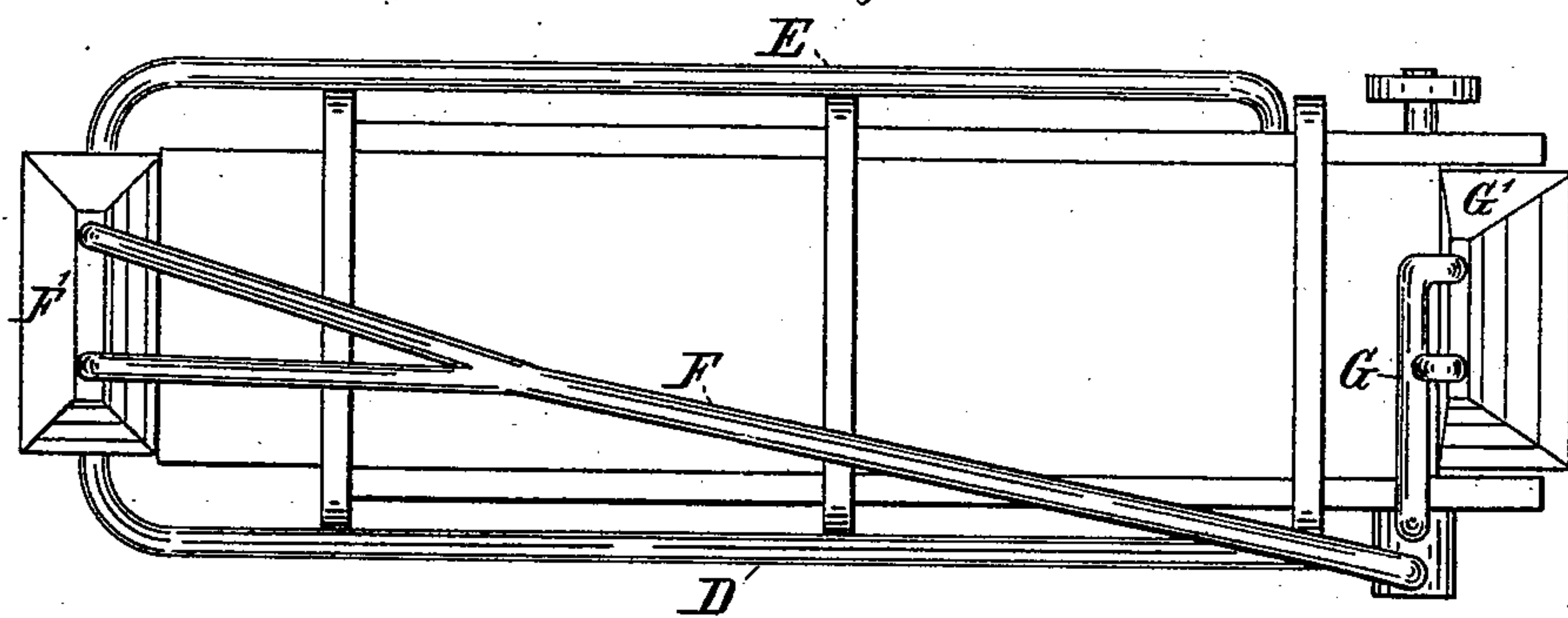


Fig. 4.



WITNESSES.

James B. Liggins.  
R. P. Daggett.

INVENTOR.

Francis A. Olds, (and)  
Charles W. Olds,

PER

C. Bradford.  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

FRANCIS A. OLDS AND CHARLES W. OLDS, OF MARTINSVILLE, INDIANA.

## DUST ARRESTER AND CONVEYER FOR THRASHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 226,344, dated April 6, 1880.

Application filed August 16, 1879.

*To all whom it may concern:*

Be it known that we, FRANCIS A. OLDS and CHARLES W. OLDS, of the town of Martinsville, county of Morgan, and State of Indiana, have invented certain new and useful Improvements in a Dust Arrester and Conveyer for Thrashing-Machines, of which the following is a specification, reference being had to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts.

Figure 1 is a side elevation of a thrashing-machine separator to which our improvements are applied. Fig. 2 is a front-end elevation, Fig. 3 is a rear-end elevation, and Fig. 4 is a top or plan view, of the same.

The object of our invention is to provide a means to arrest the dust which always fills the air about a thrashing-machine while the same is being used, and which is a source of very great discomfort and inconvenience to the persons and animals engaged in operating said machine, and convey it away to a point where its presence will cease to be undesirable.

This object is accomplished by the use of a series of pipes having funnel-shaped mouths, which cover those portions of the machine whence dust arises, and leading to an exhaust-fan, from which a conveyer-tube (preferably of flexible material) is run to the place where the dust is to be deposited.

In the drawings, the fan C is located in the lower forward part of the separator-body A, under the thrasher-cylinder or beater B. Two pipes, D E, lead to the lower rear part of the separator, and have their funnel-shaped ends D' E' turned inwardly, the mouths thereof being vertical. One, F, runs to the upper rear part of the machine, just over the riddles, the

funnel-shaped end F' being turned downwardly, its mouth being in a horizontal position; and one, G, runs to the upper forward part of the separator, just in front of the beater B, with its funnel-shaped end G' set on such an angle that it will not interfere with the view of the person feeding the machine, and at the same time so that its effectiveness in drawing in the dust shall not be impaired.

The conveyer-tube H, which is usually constructed from ordinary canvas cloth, so as to be light and cheap, leads any distance from the machine to which it is desired to convey the dust.

The above arrangement of our device is not imperative, but may be varied in number and location of pipes and position of fan according to the style of machine to which it is to be applied, as the pipes are distinct from the general structure of the machine and are secured thereto by a mere attachment.

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

The combination, with a thrasher or separator, of a supplementary attachment for removing dust, consisting of an exhaust-fan and a series of pipes disposed externally about the machine, so as to present a receiving end at any point where dust may arise, substantially as set forth.

In witness whereof we have hereunto set our hands and seals at Indianapolis, Indiana, this 11th day of August, A. D. 1879.

FRANCIS A. OLDS. [L. S.]  
CHARLES W. OLDS. [L. S.]

In presence of—

C. BRADFORD,  
A. B. GILLET.