(No Model.)

W. J. MARTIN.

DUST CONVEYER.

No. 369,542. Patented Sept. 6, 1887.

Fig. 1.

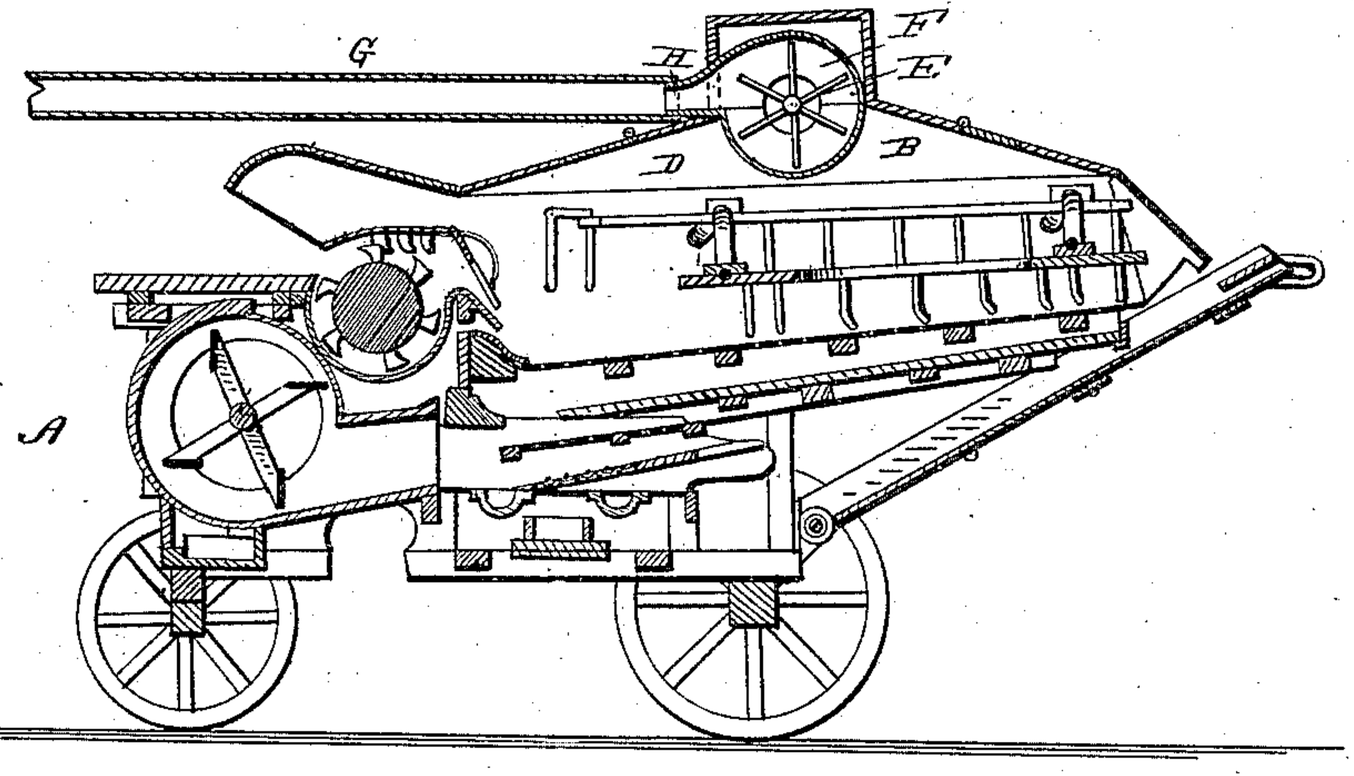


Fig. 2.

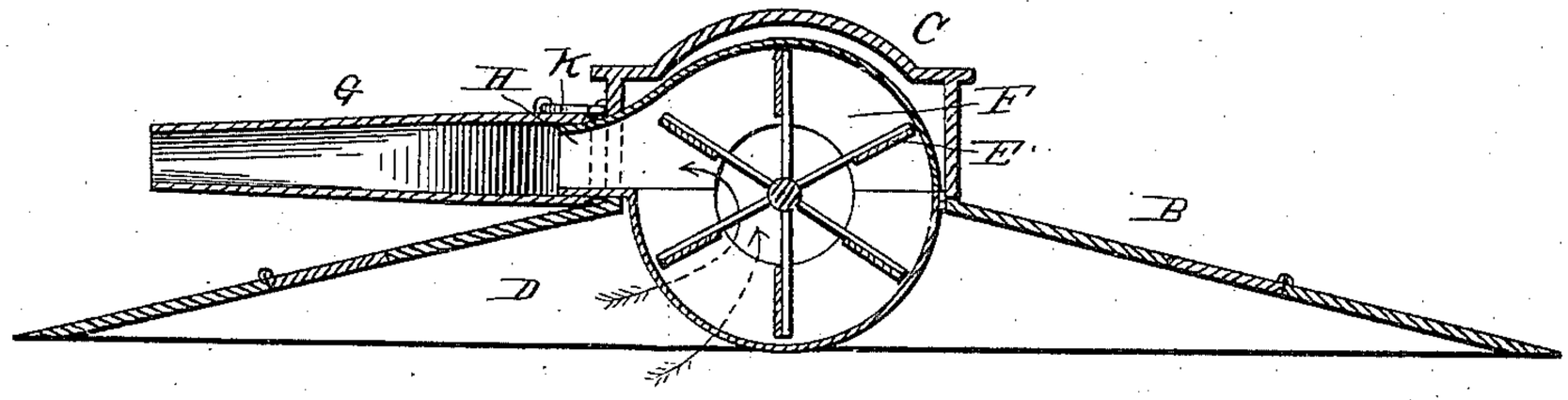
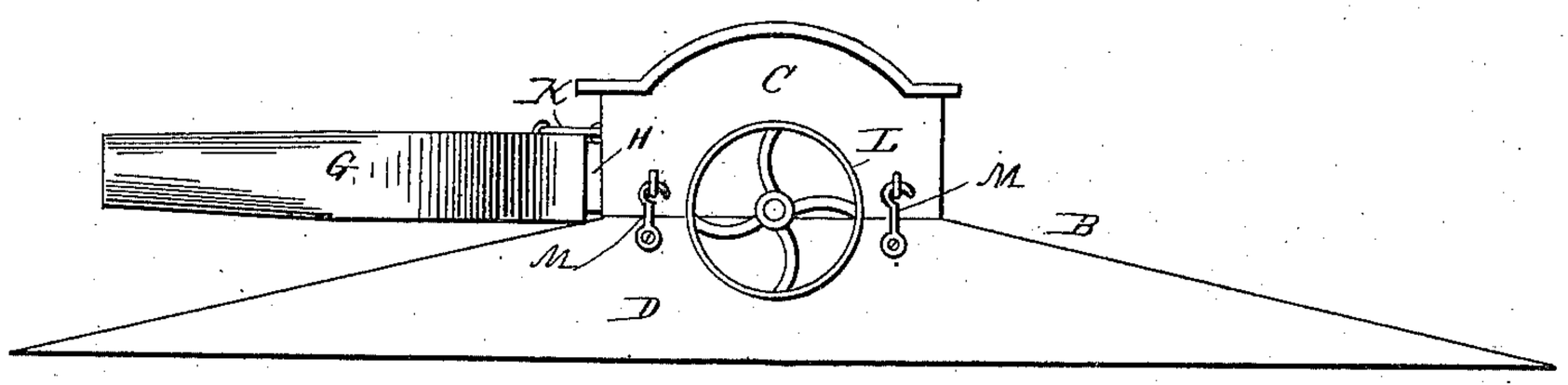


Fig. 3



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WILLIAM J. MARTIN, OF CATAWISSA, PENNSYLVANIA.

DUST-CONVEYER.

SPECIFICATION forming part of Letters Patent No. 369,542, dated September 6, 1887.

Application filed September 18, 1886. Serial No. 213,882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. MARTIN, a citizen of the United States, residing at Catawissa, in the county of Columbia and State of Pennsylvania, have invented certain new and useful Improvements in Dust-Conveyers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has for its object to provide an improved dust-conveyer for thrashing-machines, as will be fully understood from the following description, taken in connection with the annexed drawings, in which—

Figure 1 represents a longitudinal vertical sectional view of a thrashing-machine, showing my improved dust-conveyer applied thereto. Fig. 2 represents a longitudinal sectional view of the conveyer detached, and Fig. 3 a side elevation of the conveyer detached.

The letter A indicates the thrashing-machine, which may be of the ordinary or any approved construction.

B indicates the conveyer, which consists of a rectangular box or casing, C, having a flaring base, D, open at the bottom and adapted to fit upon the top of the thrashing-machine, as shown in Fig. 1 of the drawings, the casing being provided with an exhaust-fan, E. The casing F of said fan sets in the lower half of the casing B, which is provided with spaces at each side of the fan-casing F, forming passages communicating with the central openings of the fan-casing, through which the dust is drawn from the thrashing-machine into said fan-casing by the draft created by the fan. From the casing B extends a spout, G, through which the dust is discharged. The said spout fits over a flange, H, at the discharge-opening of the fan-casing, and is secured to the casing B by means of the hooks and staples K. The fan-shaft extends through both casings, and on one projecting end is provided with a pulley, L, by means of which the fan may be driven by a belt connected with the driving pulley or wheel of a suitable motor.

By disengaging the hooks M from their staples and lifting off the top or casing C access can be had to the interior of the machine.

As the top of the outer casing may be removed as well as the fan-casing, it is evident that the parts may be readily and conveniently cleaned or repaired when necessary.

It will be observed that not only the casing C is removable from the inclined portion B, but that the spout G is also readily removable from the casing C.

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

The within-described dust-conveyer for thrashing-machines, consisting of a rectangular box, C, and a flaring base, D, detachably secured together, a fan-case provided with an exhaust-fan, and a conveyer-spout detachably secured to the discharge of the fan-case and casing C, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM J. MARTIN.

Witnesses:
C. L. ERWIN,
T. D. BERNINGER.