

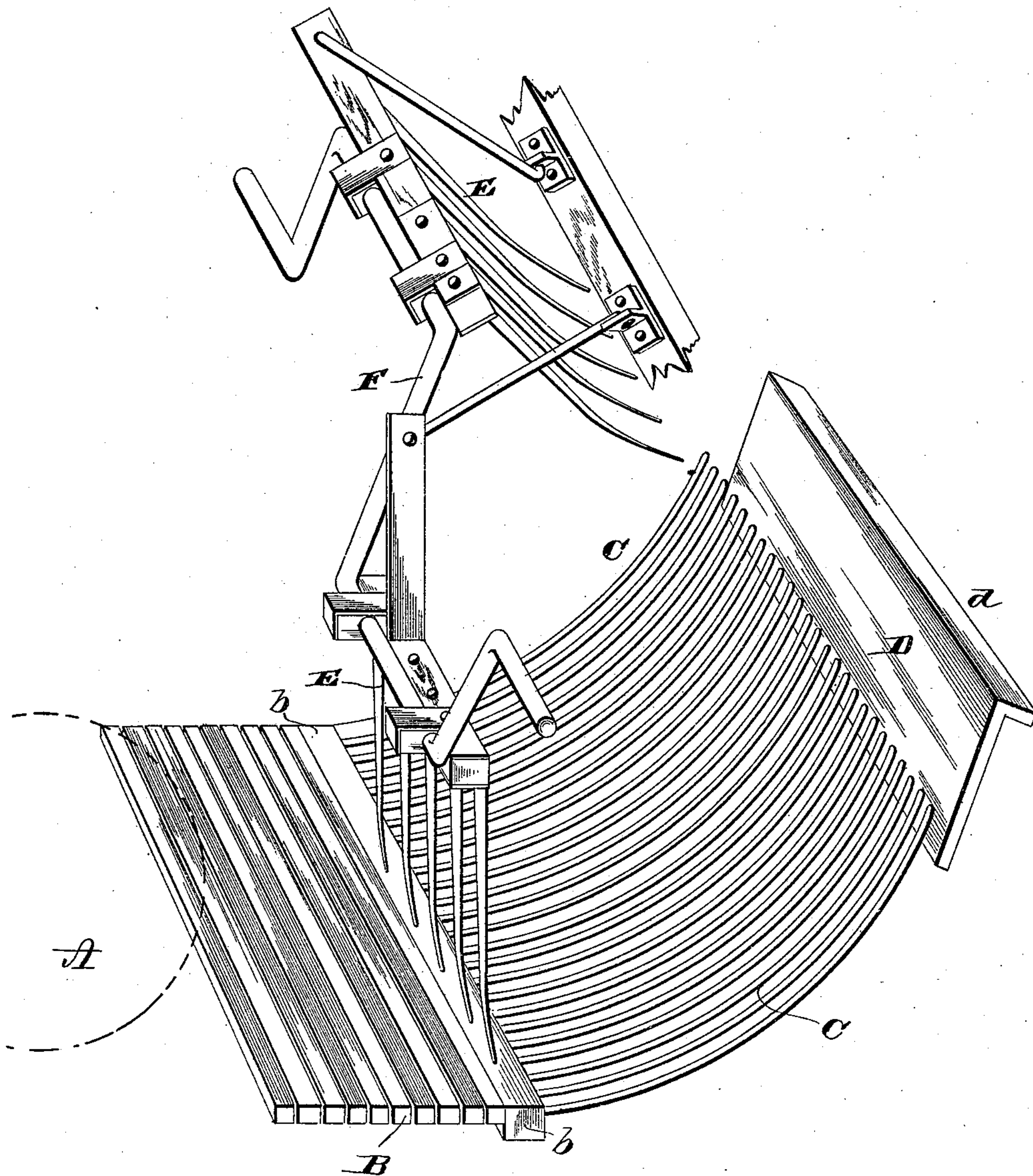
(No Model.)

J. B. McCUTCHEON.

THRASHING MACHINE.

No. 352,764.

Patented Nov. 16, 1886.



WITNESSES
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UNITED STATES PATENT OFFICE

JOHN B. McCUTCHEON, OF BATTLE CREEK, MICHIGAN.

THRASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 352,764, dated November 16, 1886.

Application filed February 20, 1886. Serial No. 192,692. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. McCUTCHEON, of Battle Creek, in the county of Calhoun and State of Michigan, have invented certain new and useful Improvements in Thrashing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in thrashing-machines; and it consists in certain features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

The accompanying drawing represents a portion of the thrashing-machine embodying my invention.

A represents the thrashing-cylinder. Immediately in the rear of the cylinder A, and forming a continuation of the concave beneath the cylinder A, is located the platform or table B, provided at its rear edge with a bar or slat, *b*, sufficiently strong to form a support for the forward ends of the grate-bars C. The grate-bars may be constructed of wood or metal, and rectangular, oval, round, or any other desired shape in cross-section. From the cross-bar *b*, in which their forward ends are rigidly secured, they curve rearwardly and upwardly to a guide-board or apron, D. The rear ends of the grate-bars lap a short distance over the edge of the board or apron D, and are situated a short distance—three inches, more or less—above or in front of the face of the guide-board or apron. The rear ends of the grate-bars are thus left free for the straw to slip off.

A pair of carrier-forks, E, hinged on a crank-

shaft, F, over the grate, serve to force the straw rearwardly along the grate-bars. I find it advantageous to construct the table B of a series of cross-slats set a short distance apart, and to construct the face of the guide-board or apron D smooth and attach to its upper edge a flange, *d*, pitching rearwardly toward the straw carrier or shaker.

It is evident that slight changes in the construction of the several parts might be resorted to without departing from the spirit of my invention.

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

1. In a thrashing-machine, the combination, with a cylinder and a guide-board or apron, of a grate located between the cylinder and the guide-board or apron, and consisting of a series of bars or slats, the front ends of which are rigidly secured to the machine at a point behind the cylinder, while the rear or free ends thereof terminate above the lower end of the guide-board or apron.

2. In a thrashing-machine, the combination, with a cylinder and the guide-board or apron, of the slats or bars rigidly secured in position at their front ends and extending rearwardly to a point over the guide-board or apron, and the fork located above the bars for forcing the straw rearwardly, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN B. McCUTCHEON.

Witnesses:

B. T. SKINNER,
A. G. HIGHAM.