

A. D. THOMAS.

Separator-Shoes for Thrashing Machines

No. 168,939.

Patented Oct. 19, 1875.

Fig. 1.

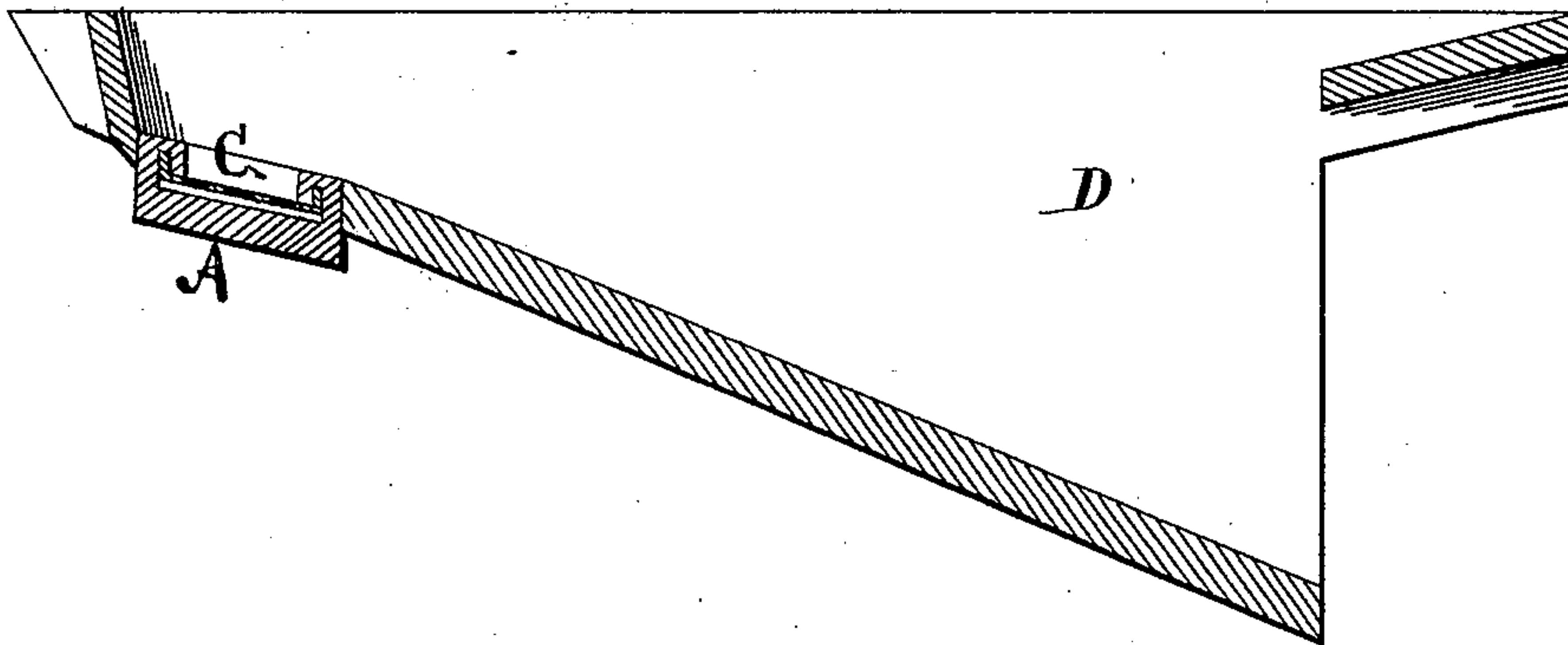


Fig. 2.

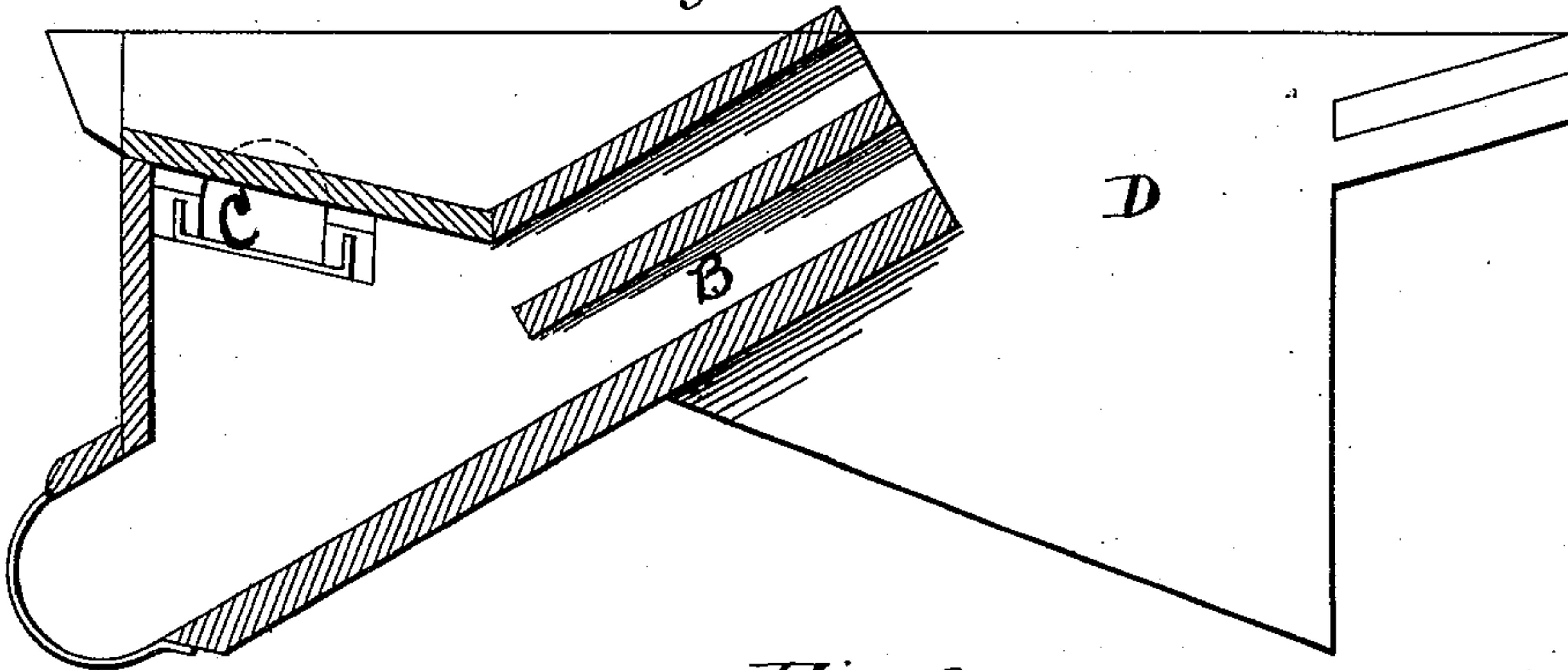
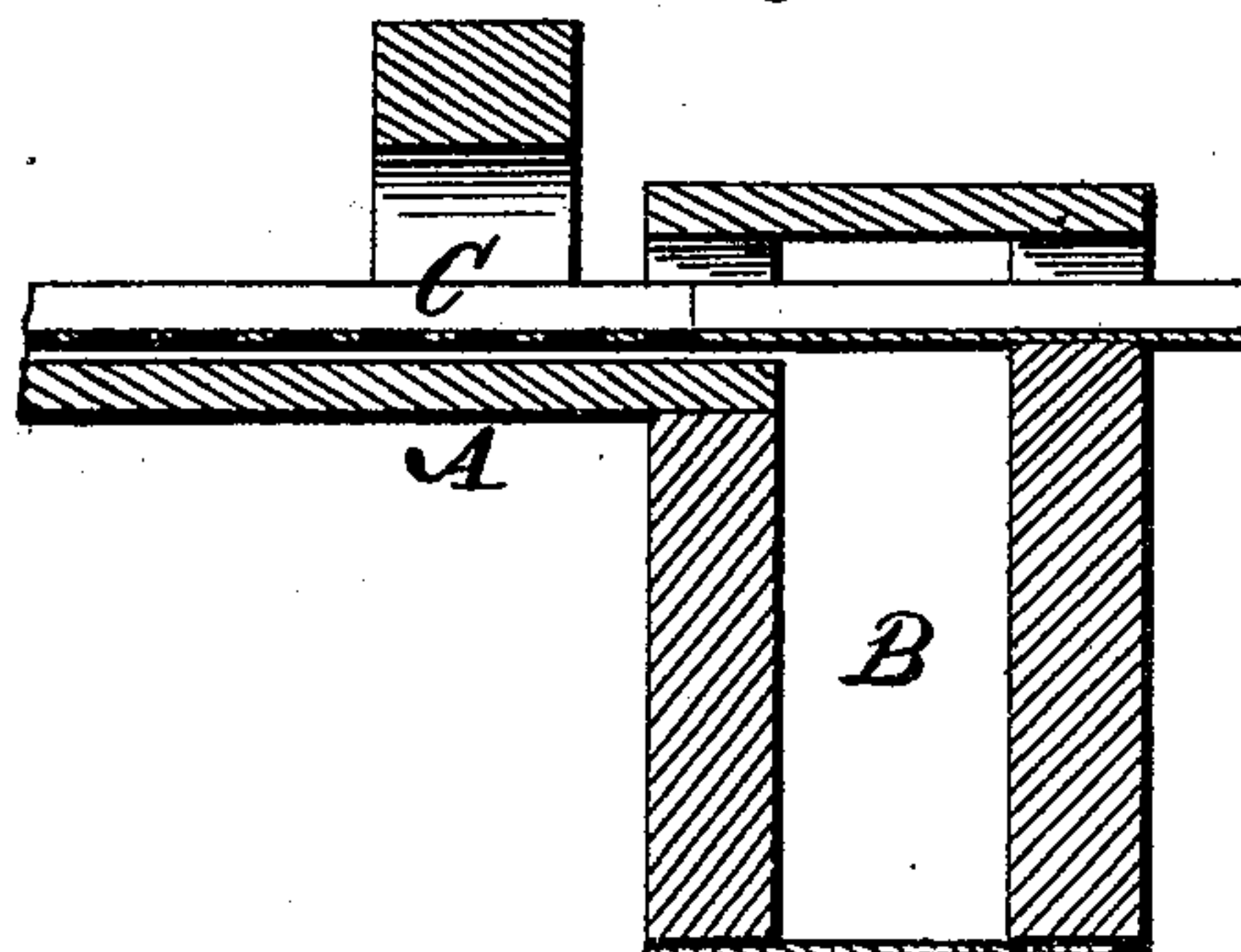


Fig. 3.



Witnesses:
Samuel Storer.
John Lupton.

Inventor:
Amos D. Thomas.

UNITED STATES PATENT OFFICE.

AMOS D. THOMAS, OF MT. ETNA, IOWA, ASSIGNOR OF ONE-HALF HIS RIGHT
TO W. D. THOMPSON.

IMPROVEMENT IN SEPARATOR-SHOES FOR THRASHING-MACHINES.

Specification forming part of Letters Patent No. **168,939**, dated October 19, 1875; application filed
March 27, 1875.

To all whom it may concern:

Be it known that I, AMOS D. THOMAS, of Mount Etna, in the county of Adams and State of Iowa, have invented a new and useful Improvement in Separator-Shoes for Thrashing-Machines, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal section of the sieve. Fig. 2 is a longitudinal section of a portion of the elevator, showing its arrangement with respect to the shoe; and Fig. 3, a transverse section of the elevator and of so much of the shoe as is necessary to show the arrangements of parts which I claim as my invention.

The object of my invention is to prevent the clogging of the elevator during the operation of the machine; and it consists in the arrangement, in the spout at the tail of the shoe which discharges into the elevator, of a screen or riddle made of wire or perforated sheet metal, passing through the casing of the elevator in such a manner as to deliver at the outside of the machine all weeds, straw, and other for-

eign matters likely to clog or choke the elevator, while the wheat passes through said screen or riddle into the bottom of the spout, and thence into the elevator.

A is the spout at the tail of shoe D, discharging into the elevator B, as shown in Fig. 3. C is the screen, placed in the spout so as to leave space between itself and the bottom of the spout for the escape of the grain into the elevator, and projecting through and beyond the elevator-case, as shown.

By this arrangement the wheat is freed from the large foreign matters before it falls into the elevator.

I claim as my invention—

The discharge-spout A, delivering into the elevator B, and provided with a screen or riddle passing through and beyond the casing of the elevator, and over the elevator, substantially as and for the purpose set forth.

AMOS D. THOMAS.

Witnesses:

JOHN TRIPLETT,
A. B. RAMSEY.