

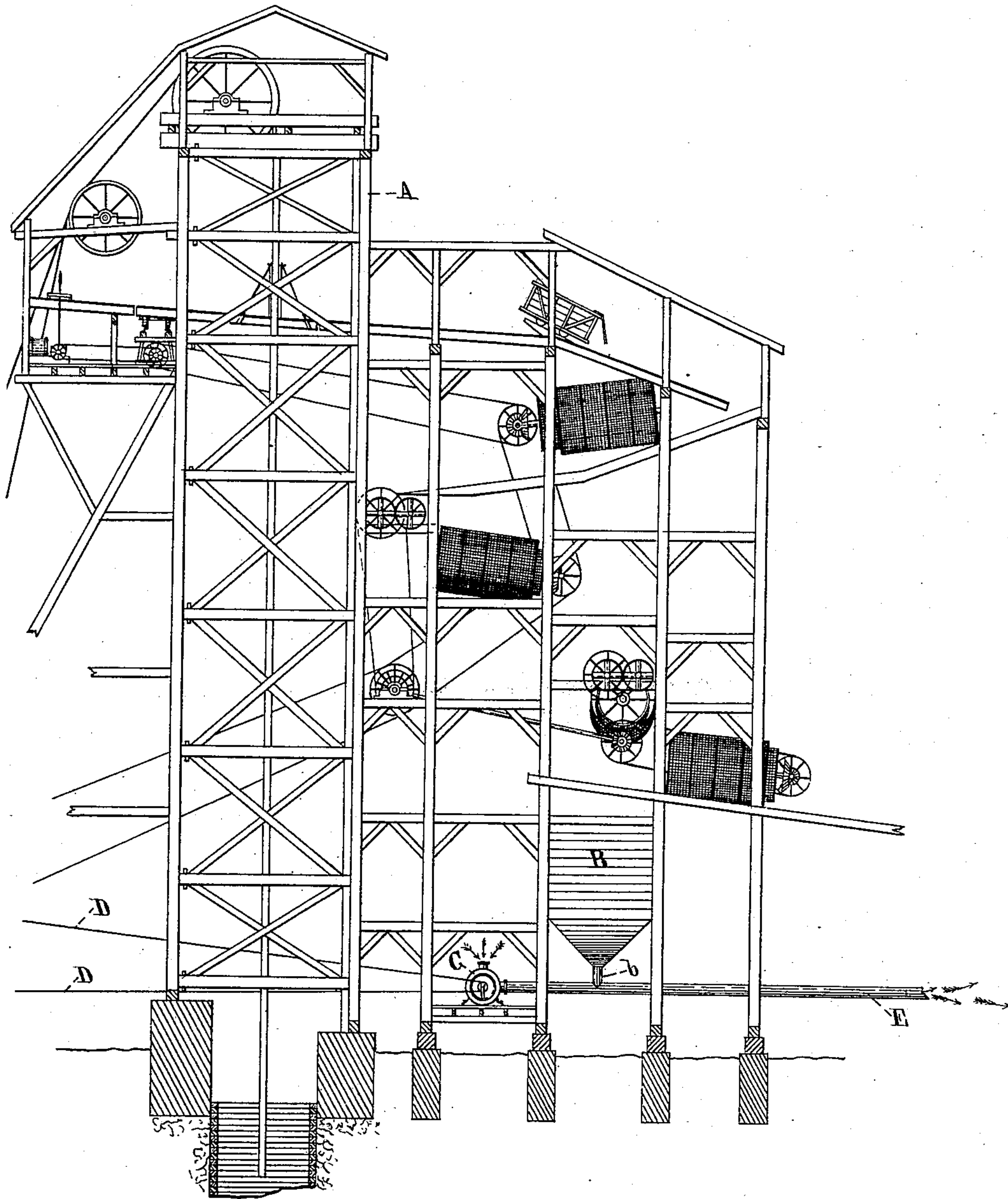
(No Model.)

R. Y. MITCHELL.

CULM CONVEYER.

No. 326,445.

Patented Sept. 15, 1885.



Witnesses;

W. B. Mason

L. B. Hills

Inventor;

Ransom Y. Mitchell

By
James C. Boyce
his atty

UNITED STATES PATENT OFFICE.

RANSOM Y. MITCHELL, OF BRADFORD, PENNSYLVANIA.

CULM-CONVEYER.

SPECIFICATION forming part of Letters Patent No. 326,445, dated September 15, 1885.

Application filed December 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, RANSOM Y. MITCHELL, a citizen of the United States, residing at Bradford, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Culm-Conveyers; 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.

The object of the invention is to provide a means for transporting the culm, dirt, and wastage from a coal-breaker in any desired direction to any reasonable distance and save the men and teams now used in transporting the same.

In the drawing the figure represents a side view.

A represents a portion of a hard or anthracite coal breaker, and the culm, dust, and screenings are led by suitable conduits to the receptacle or bin B, which has a tapering bottom and terminates in the pipe *b*.

At C is a pressure-blower or powerful fan, which is actuated by an engine, the power being transmitted through the medium of the belt D. From the pressure-blower C is led the air-pipe E, through which a blast of air is blown. The arrows over the blower C show the

course of the air on entering the blower, and those at the end of the pipe E show where the air emerges. A suitable gate-valve may be placed in the pipe *b* to regulate the quantity of culm or dirt which passes through it. The air, blown strongly through the pipe E, will take up and convey large quantities of the culm and waste and eject it from the end of the pipe E with considerable force. The pipe E can be thrown in any desired direction, and when the piles of culm culminate other sections of pipe can be added and a new deposit made beyond the first. By this arrangement all shoveling of the culm is avoided, and any transportation of it by men, barrows, or carts is rendered unnecessary.

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

The combination, with a coal-breaker, of a culm or dirt receiver or bin and a pressure-blower so arranged that a blast from the pressure-blower will receive and transport the culm and waste from the bin through suitable pipes in any desired direction, substantially as shown and described.

RANSOM Y. MITCHELL.

Witnesses:

JAMES C. BOYCE,
KENTON SAULNIER.