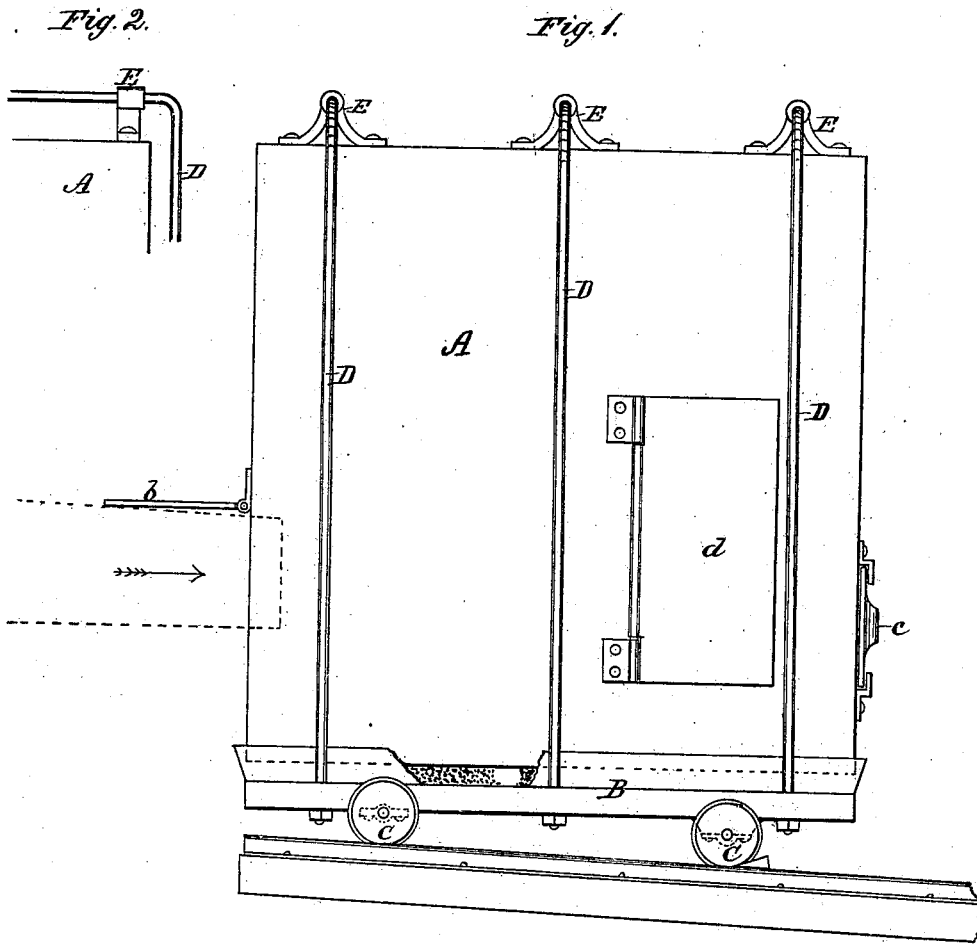


Z. N. MORRELL.
Fire-Proof Cotton-Lint Rooms.

No. 202,283.

Patented April 9, 1878.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ZACHARIAH N. MORRELL, OF LULING, TEXAS.

IMPROVEMENT IN FIRE-PROOF COTTON-LINT ROOMS.

Specification forming part of Letters Patent No. **202,283**, dated April 9, 1878; application filed February 8, 1877.

To all whom it may concern:

Be it known that I, ZACHARIAH NETTLES MORRELL, of Luling, in the county of Caldwell and State of Texas, have invented a new and Improved Portable Lint-Room; and I do hereby declare that the following is a full, clear, and exact description of the same.

The object of my invention is to provide a fire-proof portable receiver for the lint discharged from a cotton-gin, for the purpose of preventing destruction of the latter, and other incidental loss, by fire arising from the accidental ignition of the lint, which, as is well-known, is a common occurrence.

The receiver or lint-room is rectangular in form, and constructed of sheet or boiler iron, and provided with doors, one of which is adapted to close automatically when the receiver is removed away from the gin. The body of the receiver rests upon a wheeled base or platform, to which it is secured by iron bars or rods passing through brackets affixed to the top of the receiver, so that said bars will support the top, and prevent collapse of the lint-room in case it becomes red-hot from ignition of the lint.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of the lint-room, and Fig. 2 is a detail view.

The body A of the lint-receiver or lint-room is made of plates of sheet or boiler iron, suitably riveted together. The same rests upon a flat base or platform, B, supported on wheels C, which run on rails laid upon a descending or inclined plane. The means of connection between the part A and platform B are a series of bars, D, which are attached to the latter and pass over the lint-room, without being in contact therewith, to prevent, as far as possible, the communication of heat to the bars in case of fire.

Brackets or loops E are attached to the top of the lint-room, and the bars D pass through these, thereby affording a support, which holds the lint-room out of contact with the braces, and prevents collapse of the sheet-iron in

case of the same becoming red-hot in consequence of ignition of the lint.

The platform B may be made of wood, covered with sheet-iron; but in such case it will be necessary to cover the latter with some non-conducting material, in order to prevent the wood underneath becoming charred or ignited should the lint take fire.

The front of the lint-room has a valve or door, *b*, which is hinged at its upper edge, so that it will close automatically when unsupported. A sliding door, *c*, is likewise placed in the opposite side of the lint-room, for use in raking and removing the cotton to the press, and a third door, *d*, is provided for entrance and egress of workmen.

In practice, the lint-room is stationed beside the gin, the wheels C thereof are chocked with a wedge, and the door *b* raised to allow the lint to pass into the lint-room. If the lint takes fire, the wedge is instantly displaced, and the lint-room suddenly moves away from the gin, and its hinged door *b*, being no longer supported by the discharge-spout of the gin, falls by gravity, and the sliding door *c* is also closed, so that all danger of the fire communicating to the gin or gin-house is avoided. So soon as the lint has been consumed and the ashes removed, the lint-room is rolled back to its place, and the ginning proceeds as before.

What I claim is—

1. A lint-room for receiving the cotton from the gin, constructed of sheet metal, and provided with the supporting-rods, arranged out of contact with the lint-room, and connected therewith by loops or brackets, substantially as and for the purpose set forth.

2. A metallic lint-room, provided with automatically-closing valve at its receiving opening, and mounted upon wheels moving upon an inclined track, substantially as and for the purpose specified.

ZACHARIAH NETTLES MORRELL.

Witnesses:

A. DILLARD,
W. R. JOHNSTON.