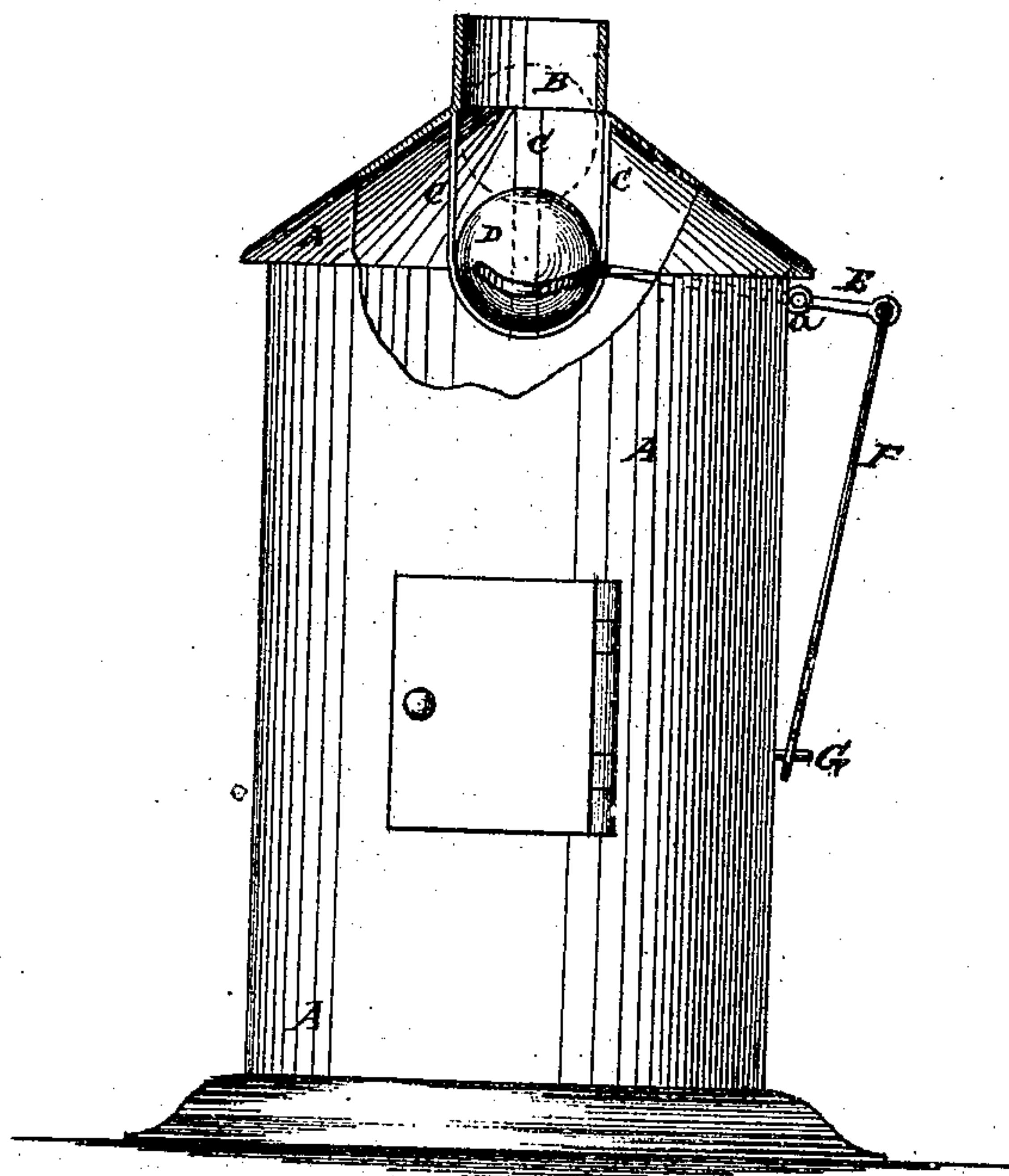


Brace & Salladay,

Car Heater.

No. 103839.

Patented June 7. 1870.



Witnesses:

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UNITED STATES PATENT OFFICE.

ADOLPH BRASE AND LEMUEL SALLADEY, OF SCIOTOVILLE, OHIO.

RAILROAD-CAR STOVE.

Specification forming part of Letters Patent No. **103,839**, dated June 7, 1870.

To all whom it may concern:

Be it known that we, ADOLPH BRASE and LEMUEL SALLADEY, of Sciotoville, county of Scioto, and State of Ohio, have invented a new and useful Improvement in Railroad-Car Stoves; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The figure is a front view of a stove illustrating our invention, part being broken away to show the construction.

Our invention relates to improvement in that class of railroad-car stoves in which a ball-valve is provided, so that should the car in which the stove is placed be overturned, the fire will be prevented from escaping through the stove-pipe hole, and thus the danger of the car being set on fire removed; and the invention in this case consists in arranging the ball-valve so as to perform the office of a damper on ordinary occasions, and also operate to prevent the escape of fire in case of accident by overturning of the stove.

In the drawing, A represents a stove provided with a conical top, in whose apex is formed an opening or flue, B. C are loops or bands attached at their ends to the under side of the top, and forming a basket for holding the ball D, which is made of such size that it cannot pass through the opening B. The ball is formed of fire-clay, in order that it may withstand the intense heat to which it must be exposed. If made of other material, such as metal, it would soon lose its round form, and

thus allow the escape of fire in event of an accident.

E is a lever hinged in the wall of the stove at *a*, and projecting inwardly and curved or bent at the inner end to form a ring, in which the ball rests, as shown. Its outer end is pivoted to the rod or bar F, whose lower end is provided with a number of holes, or is otherwise formed to permit its adjustment on the pin or hook G, which projects from the body of the stove.

By adjusting said rod up or down the ball D will be correspondingly raised or lowered, and the draft of the stove thereby perfectly controlled, since the form of valve adapts it to close the opening B, so that it will be impossible for any air or gas to escape. It will also be observed that, since the ball merely rests in the ring end of the lever E without being in any way attached to it, the rigid adjustment of the rod F cannot effect the operation of said ball should the stove be overturned.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In combination with the stove A, provided with the opening or flue B, the ball-valve D, loops C, lever E, provided at its inner end with a ring-socket for said valve, rod F, and pin G, all said parts being arranged as shown and described, to operate as specified.

ADOLPH BRASE.
LEMUEL SALLADEY.

Witnesses:

JOHN P. MERRILL,
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