H. O. PETERS.

FIRE-EXTINGUISHER.

No. 192,083. Patented June 19, 1877.

Fig. 1.

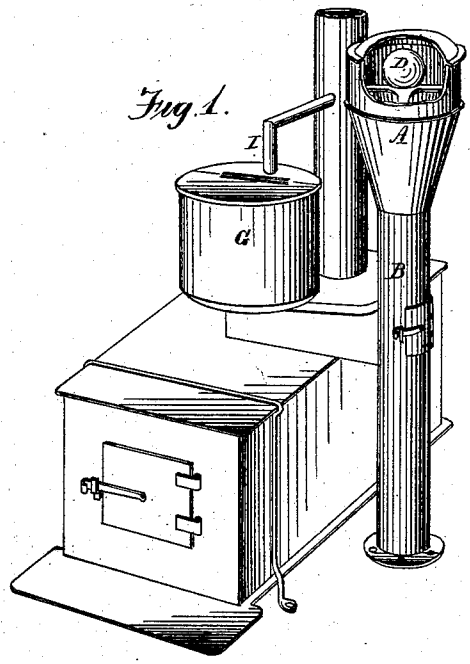


Fig. 3.

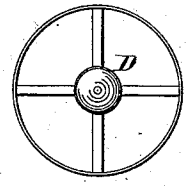


Fig. 4.

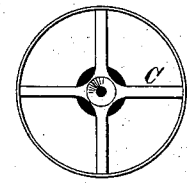
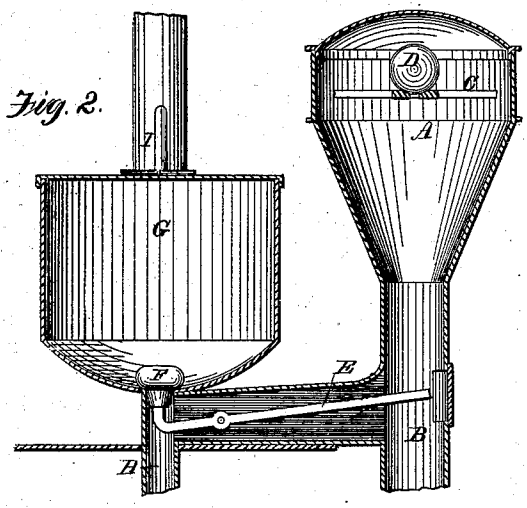


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

HENRY O. PETERS, OF HOOSICK FALLS, NEW YORK.

IMPROVEMENT IN FIRE-EXTINGUISHERS.

Specification forming part of Letters Patent No. **192,083**, dated June 19, 1877; application filed March 14, 1877.

To all whom it may concern:

Be it known that I, HENRY O. PETERS, of Hoosick Falls, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in Fire-Extinguishers, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a perspective view of a stove with my extinguisher attached; Fig. 2, a longitudinal view of my invention; and Figs. 3 and 4, sectional views of the same.

The object of my invention is to furnish a device for the purpose of extinguishing fire in car-stoves in case of accidents, by which the overturning, or partially overturning, of the car, from its tilting motion, causes a ball or weight to be displaced from its seat, and, falling through a chamber and tube or conductor, which is made stationary to the car-floor or stove, or both, it is guided to strike and operate a gate or valve-lever, the opposite end of which connects with valve or stop-cock inside of a reservoir, allowing the water, vapor, or other material to come in contact with the fire through an opening in the connection connecting the reservoir to the stove.

In the drawings, A is the chamber at upper end of tube or conductor B, inside of which is a cross-piece, with seat for ball or weight D, made stationary inside of the chamber A, the tube or conductor B being made stationary to the car-floor or stove, or both, and so fastened that the careening of the car unseats the ball or weight D, which, being guided by the chamber A and tube or conductor B, in its descent strikes the gate or valve-lever E, and operates the same, it being connected at the opposite end with valve or stop-cock F inside of reservoir G, opens the same, and allows the water, vapor, or other material to flow through the opening H in the connection connecting the reservoir and stove. I is the pipe from reservoir for the purpose of conducting the steam into the stove-pipe.

Having described my invention, what I claim, and for which I desire Letters Patent, is—

1. The combination of the weight D, rest or support C, tube or conductor B, and gate-lever E, the combination operating so that the weight displaced from the support by the inclination of the tube shall be conducted by the latter so as to operate the lever, substantially as and for the purpose described.

2. The combination of the weight, support, conductor B, gate-lever E, and gate or valve F, the combination operating so that the falling of the weight shall open the valve, substantially as and for the purpose described.

3. The combination, in a railroad-car, of the following elements: a stove or furnace, reservoir, and weight, with suitable connecting mechanism, substantially as described, the combination operating so that the inclination of the car, when displaced from the track, as in accidents, shall unseat the weight, that, falling, shall open the reservoir and let its contents upon the fire, substantially as and for the purpose described.

4. The combination of the tube or pipe B with conical chamber A, the cross-piece C, stationary inside chamber A, the lever E, connecting with valve F, inside reservoir G, which is placed on the stove by connection with opening H, at the top of which is placed the valve F, together with the connecting-pipe I at the top of the reservoir G, for the purpose of carrying off the steam through the stove-pipe, all substantially as shown and described.

HENRY O. PETERS.

Witnesses:
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