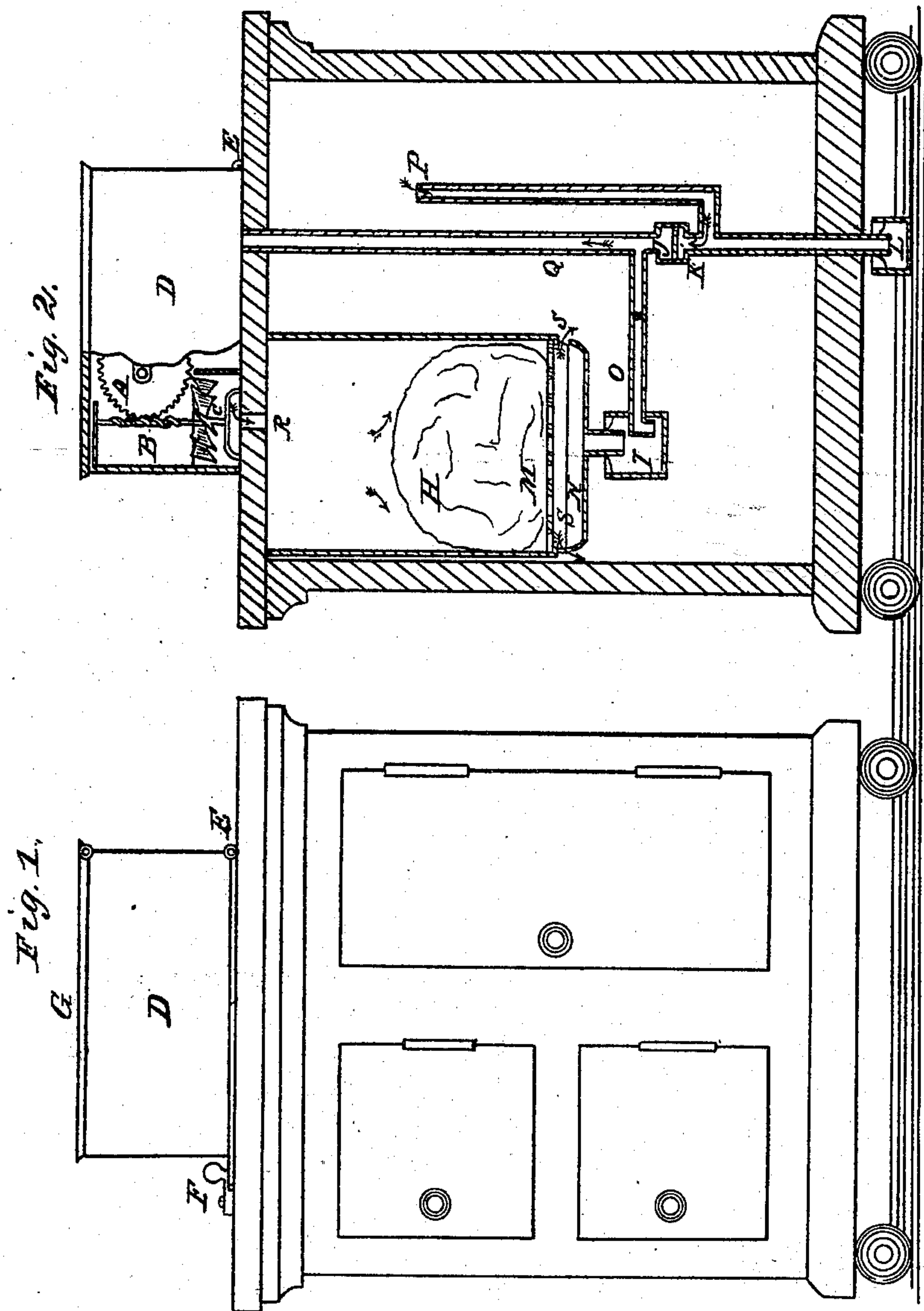


A. FULLER & L. P. REICHERT.  
REFRIGERATOR.

No. 74,813.

Patented Feb. 25, 1868.



*Witnesses*

Amos W. Sangster  
James Sangster

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Andrew Fuller  
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# United States Patent Office.

ANDREW FULLER AND LOUIS P. REICHERT, OF BUFFALO, NEW YORK.

*Letters Patent No. 74,813, dated February 25, 1868.*

## IMPROVED REFRIGERATOR.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, ANDREW FULLER and LOUIS P. REICHERT, of Buffalo, in the county of Erie, and in the State of New York, have invented certain new and useful Improvements in Refrigerators; and do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which—

Figure 1 represents a front view,

Figure 2 a vertical longitudinal section through the body of the same; also a partial section of a box on the upper part, showing a part of the device for forcing or creating a circulation of air.

Our invention consists in an arrangement, by means of which the air, which has already been cooled by passing over the ice, is made to pass through charcoal and water, or other equivalent purifying-substances, and again over the ice, thus keeping up a constant circulation of cold air through the refrigerator, which operation keeps all the cold air within it unmixed with warm air outside, and hence requires less ice.

In said drawings, A represents a small spur-wheel, which receives its motion from a combination of wheels, similar to clock-work. It moves the fan-wheel C by engaging with the screw B, as shown in fig. 2. D represents the box, for holding the moving-mechanism. It is made to open on a hinge, as shown at E, or the top may be made to open, if necessary, so as to get at the moving-mechanism when desired. It is wound up with a common clock-key, and is made to run from twelve to twenty-four hours, or longer if desired. The box D is kept down by a latch or spring, or any device similar to the one shown at F in fig. 1. H represents the ice in the ice-box. It is supported by a grate of galvanized iron, which is made removable by means of a slide upon which it rests. N is a pan, for receiving the water as it drips from the ice, from which it descends into the cup I, and through the tube O and cup J, containing pulverized charcoal, and then into the cup L. The charcoal is supported upon a perforated plate, shown at K. The direction taken by the air as it circulates through the refrigerator is shown by the arrows passing into the tube P, and up through the perforated plate K and charcoal-chamber J, into the box D, from which it is again forced down through the opening R over the ice, and through the openings S S, into the refrigerator.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination of the fan-wheel C, sliding grate M, the tubes O, P, and Q, and charcoal-chamber J, arranged substantially as and for the purposes described.

ANDREW FULLER,  
LOUIS P. REICHERT.

Witnesses:

AMOS N. SANGSTER,  
JAMES SANGSTER.