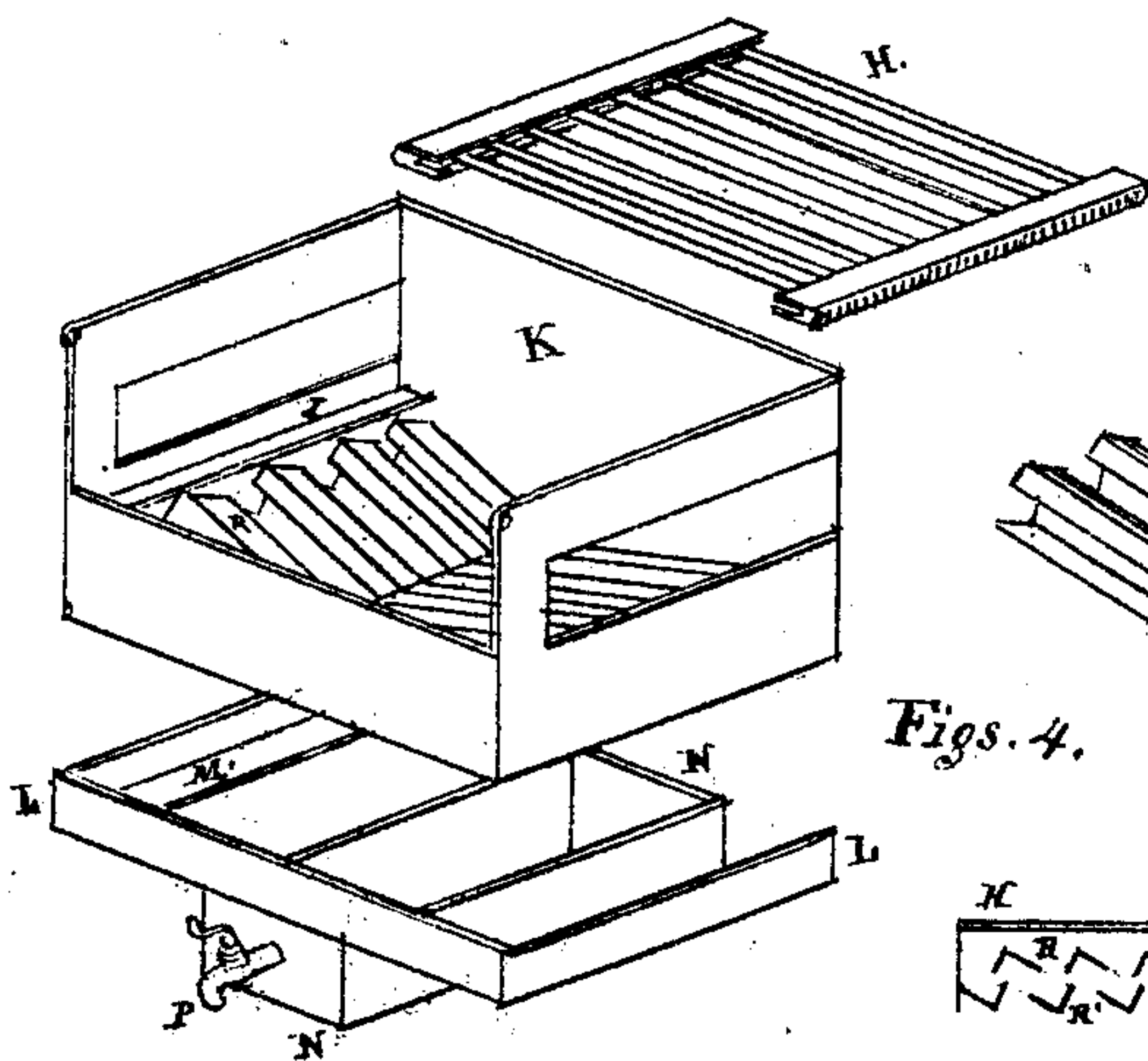
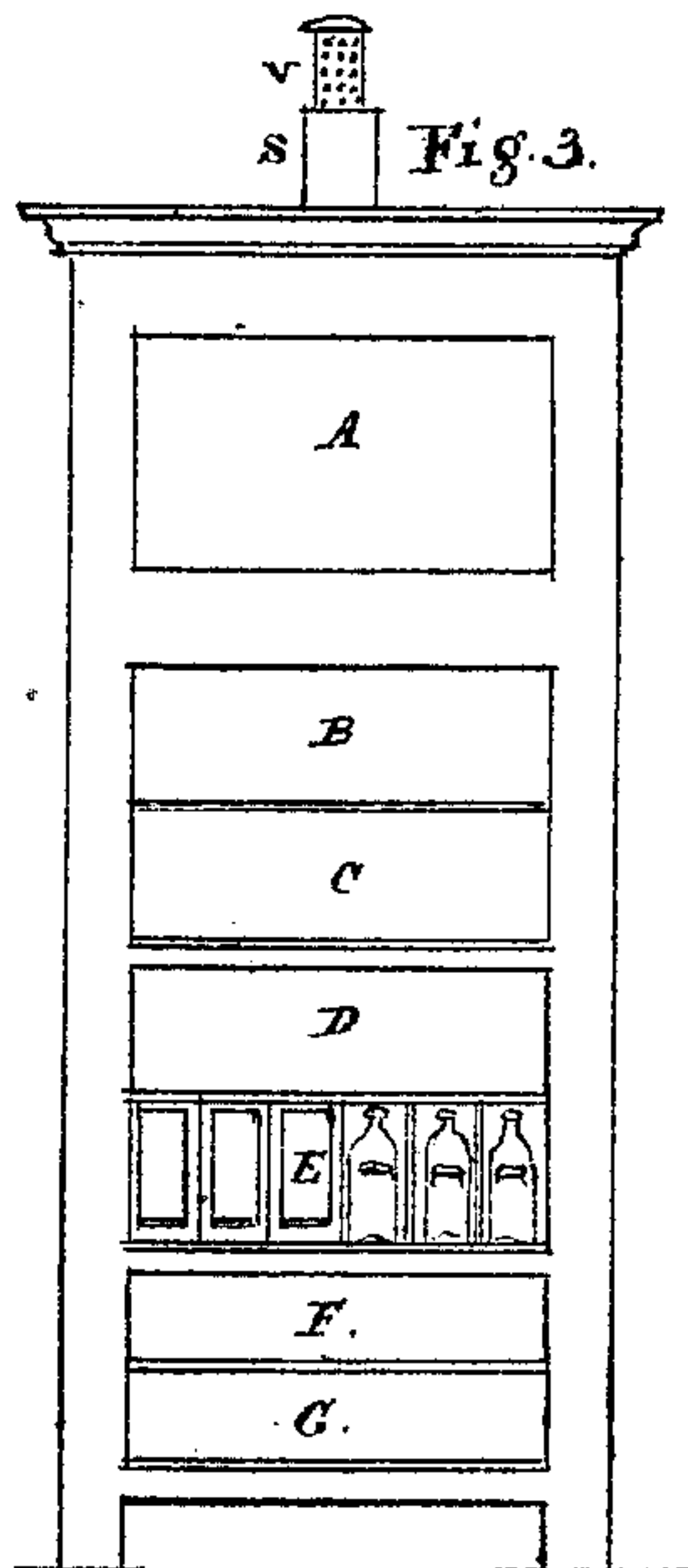
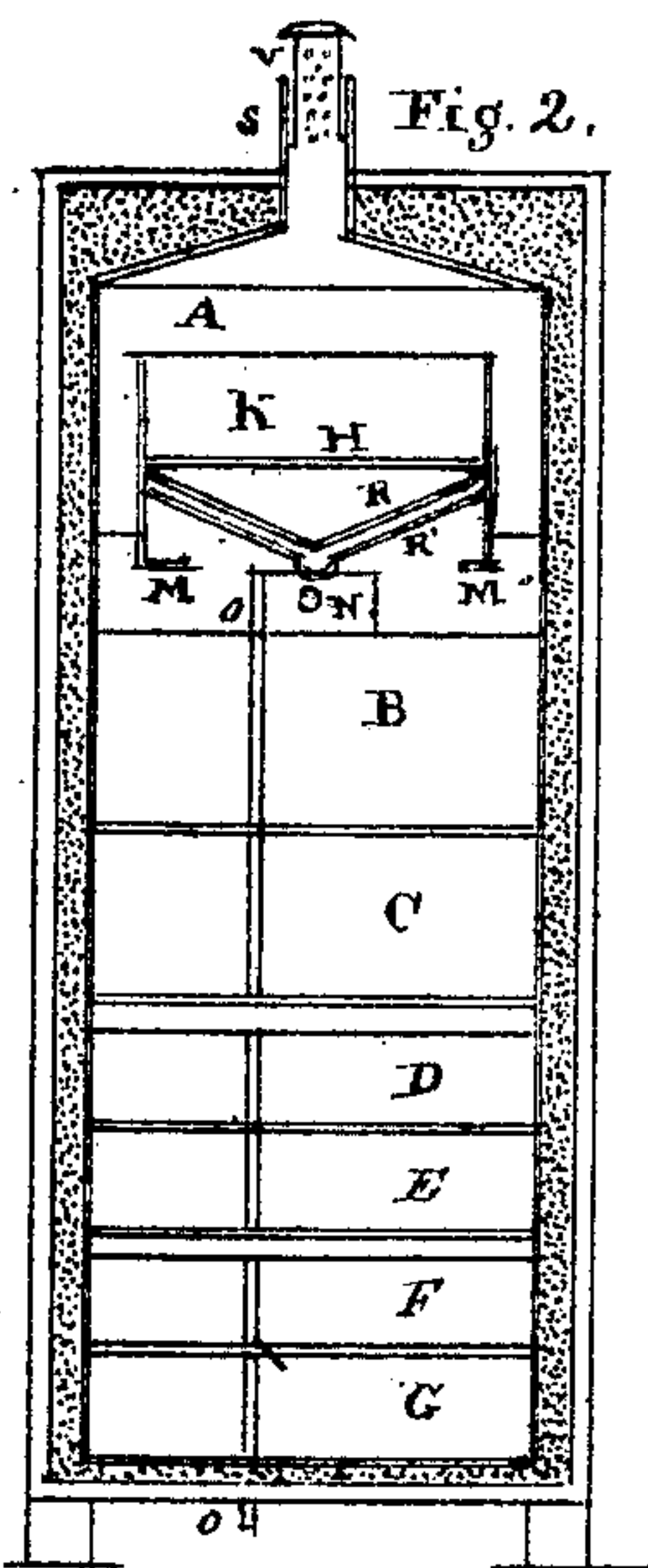
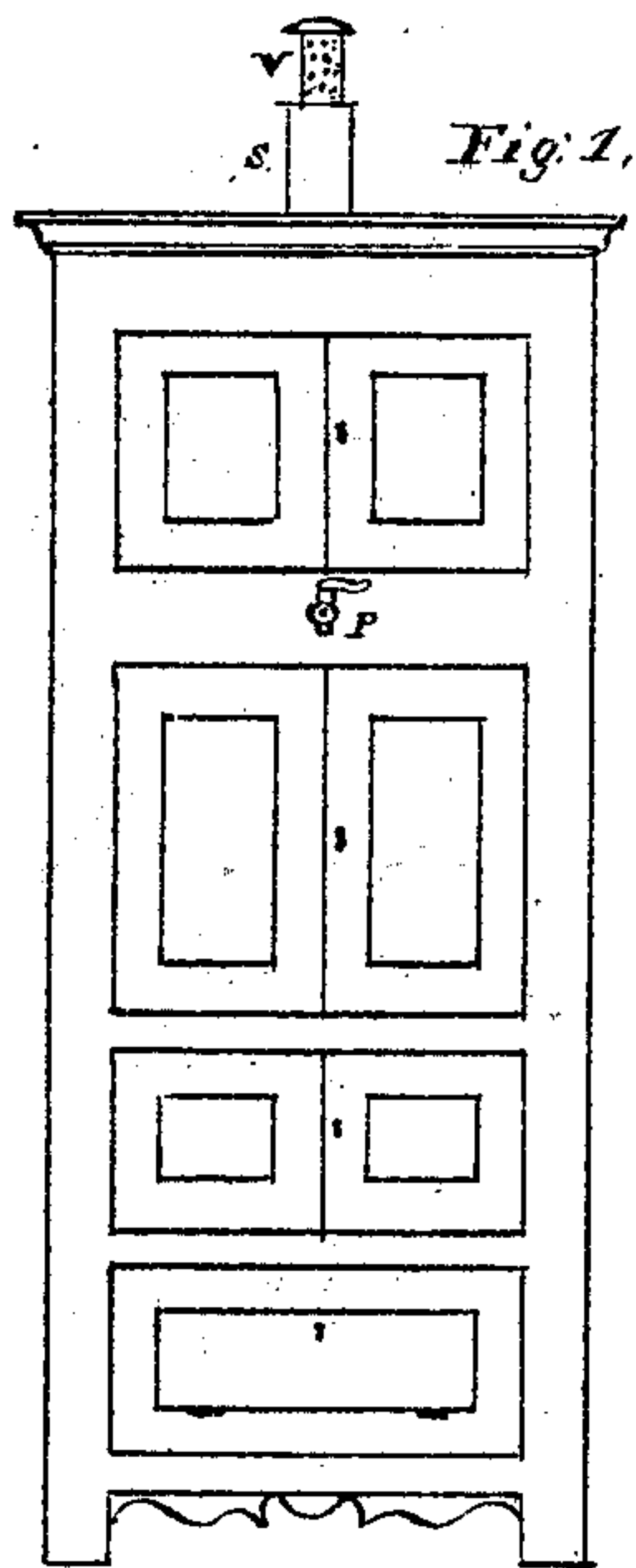


J. ROHRER.

Improvement in Refrigerators.

No. 121,899.

Patented Dec. 12, 1871.



Figs. 4.

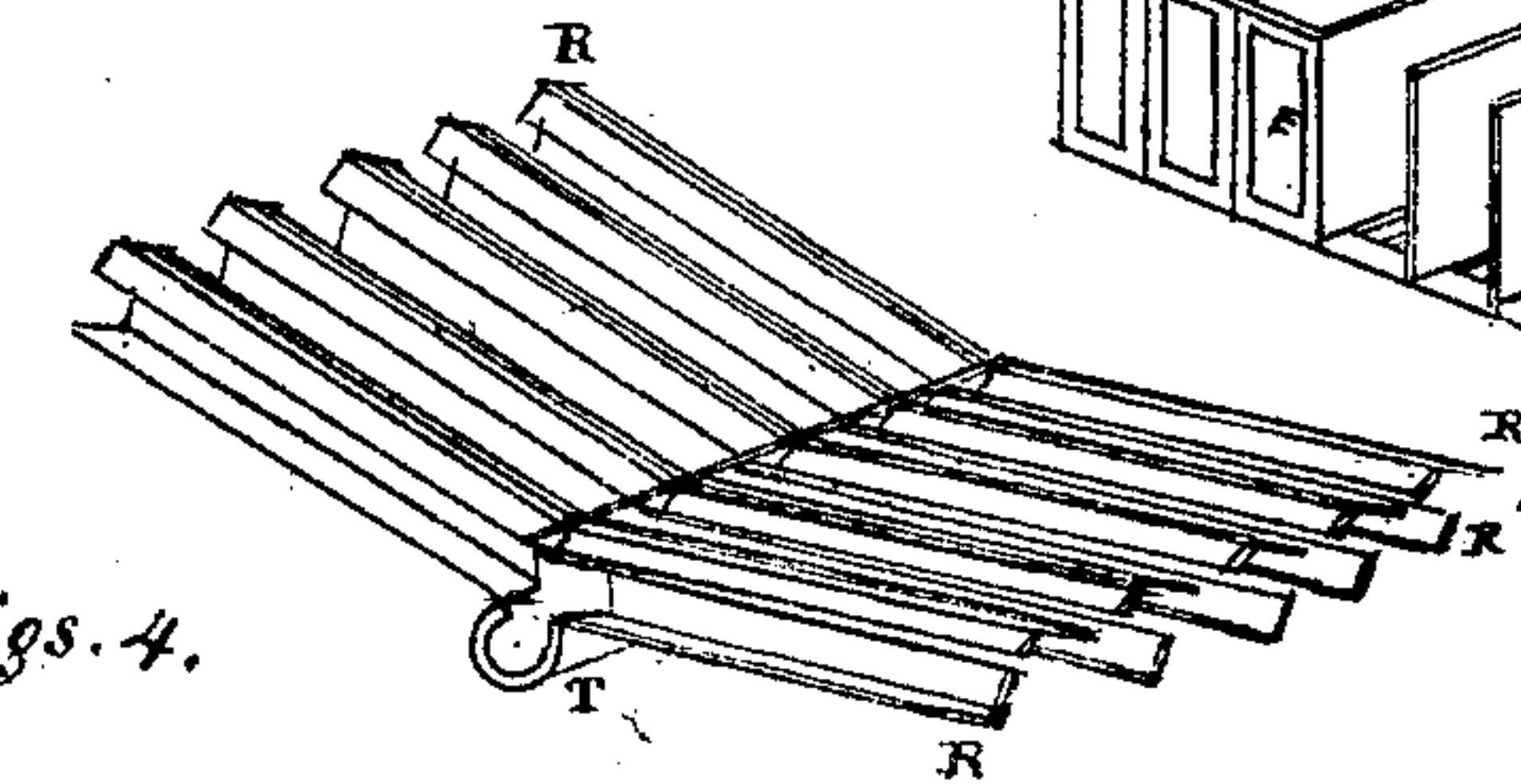
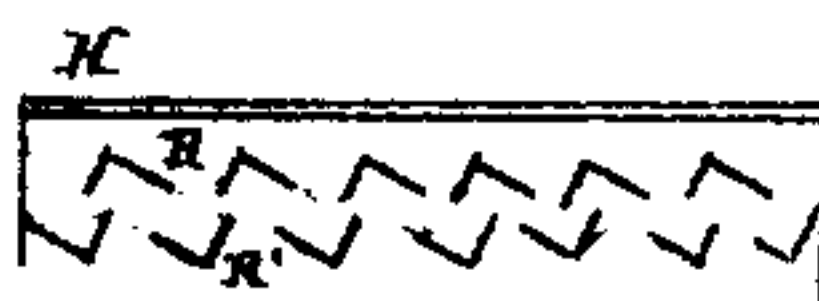


Fig. 5.



Witnesses.

W. B. Niles
Jacob Stauffer

Inventor.

J. Rohrer

UNITED STATES PATENT OFFICE.

JEREMIAH ROHRER, OF LANCASTER, PENNSYLVANIA.

IMPROVEMENT IN REFRIGERATORS.

Specification forming part of Letters Patent No. 121,899, dated December 12, 1871.

To all whom it may concern:

Be it known that I, JEREMIAH ROHRER, of the city and county of Lancaster and State of Pennsylvania, have invented certain Improvements in Refrigerators, of which the following is a specification:

The object of my invention is to provide a more spacious and convenient arrangement for keeping victuals and liquors in a cold or cool temperature during the summer season, more especially adapted for restaurants, hotels, and the like.

The accompanying drawing illustrates the construction and arrangement.

Figure 1 shows the external appearance of the case, which is, say, seven feet high and three feet wide. Fig. 2 is a vertical section of the same, to show the outer and inner walls or plates with the partitions and open shelves. Fig. 3 shows a different arrangement in the partitions below the ice-chamber, more especially adapted for hotels. Fig. 4 illustrates the parts and their arrangement constituting the ice-chamber A, which is placed at the top of the case, as shown, and with a brief description the whole will be readily understood. Fig. 5, a partitioned liquor-case for bottles.

The ice-chamber A has a water-vessel or receptacle, N, centrally affixed to the side pieces L having flanges M, on which is the ice-box K with its grated shelf H and double, circulating, inclined slats, the upper ones R ridged or convex, the lower series, intermediate and concave, R', leading to a central spout, T, which opens into the reservoir or vessel N. This has an outlet to a pipe, O, to prevent overflow. These several parts are shown detached by Fig. 4, and jointly constitute my ice-chamber. The water-vessel N is provided with a tap, P, entering from the outside. There is also a flue or tube, S, on the top of the case, with an adjustable, perforated, and capped ventilator, V, inserted.

By this arrangement I do not only increase the capacity and convenience of the several departments, but I gain an advantage in placing these chambers over each other, open to a free circulation. Thus, the denser cold air will pass downward, and the warmer expelled from the top, regulated by the adjustable ventilator V. This also

prevents foul air, the open-grated shelves H forming no obstruction to equalizing the temperature in the lower division G, as well as in the upper, B. The arrangement of the ice-chamber A is well calculated for the purpose. A large lump of ice placed on the shelf H, any drippings will fall upon the ridged or convex draining-slats R and find their way to the concave slats or drainers R', beneath the open spaces of the upper series, both series separated from each other and inclined to the center, allowing free circulation, but collecting all the drippings or water into a central channel or spout, T, from which it enters a vessel, N, from which the ice-water can be drawn by a tap, P. The case, Fig. 5, E, Fig. 3, is divided into six departments, each with its own door in front, (but within the outer doors, shown in Fig. 1,) and open by its grated bottom under and over it to the free action of the cold air, and is for separate bottles containing brandy, spirits, whisky, &c., marked on the door. For hotels and restaurants it will give capacity to keep mineral-waters in G, ale and porter in F, Scotch ale, &c., each in its own department, and found highly desirable as an important acquisition to all who desire to keep their liquors cool and refreshing in a superior manner.

As a mere case and chambered refrigerator in itself, it may not have any special novelty; but as a whole, in combination with the construction of the ice-chamber and its appliances, I am not aware that there is anything substantially like it, or that will meet the purpose so well as this is intended to supply; therefore—

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

The arrangement of the ice-box K with its ledge I for the ice-supporting bars H, double series of inclined draining-slats R R', when centrally connected over a trough, T, in combination with the ledge M, vessel N, and draining-tube O, all, in relation to each other and a vertical case, substantially in the manner and for the purpose shown and described:

J. ROHRER.

Witnesses:

W. B. WILEY,
JACOB STAUFFER.

(58)