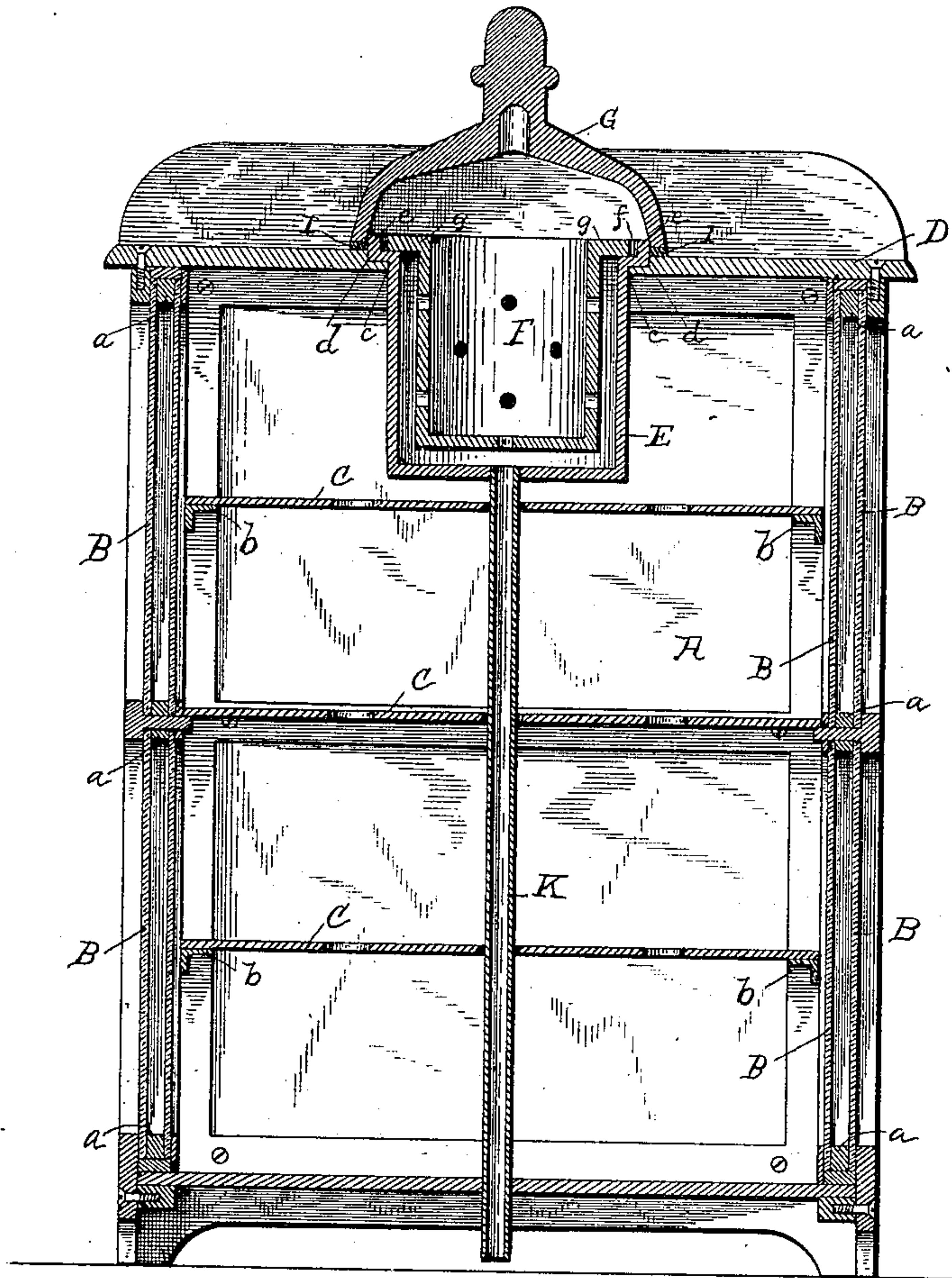


(No Model.)

S. FRITCH.
REFRIGERATOR.

No. 377,246.

Patented Jan. 31, 1888.



Witnesses

Albert Spinden

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UNITED STATES PATENT OFFICE.

SYLVESTER FRITCH, OF BEATRICE, NEBRASKA.

REFRIGERATOR.

SPECIFICATION forming part of Letters Patent No. 377,246, dated January 31, 1888.

Application filed March 26, 1887. Serial No. 232,543. (No model.)

To all whom it may concern:

Be it known that I, SYLVESTER FRITCH, a citizen of the United States, residing at Beatrice, in the county of Gage and State of Nebraska, have invented certain new and useful Improvements in Refrigerators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing and letters of reference marked thereon, which form a part of this specification.

Like letters refer to the same parts throughout the illustration.

The drawing represents a central vertical section of a refrigerator constructed in accordance with my invention.

The invention relates to refrigerators; and it has for its object to simplify and cheapen the construction and increase the efficiency of this class of devices. To this end and to such others as the invention may relate the same consists in the peculiar combinations and in the novel construction, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawing, and then specifically defined in the claim.

Referring to the details of the drawing, A designates the refrigerator proper, the walls of which are composed of skeleton frames, preferably of metal, between which and the skeleton lining *a*, of any suitable non-conducting material, is interposed and retained the panels of glass B, through which the contents of the refrigerator may be plainly seen. These glass panels are securely held in their frames in any suitable manner, so as to exclude the air from between them. This forms an air-chamber between the inner and outer panels, and serves to keep the interior of the refrigerator cool, while at the same time it allows of the inspection of the contents of the refrigerator at all times without the necessity of opening the door. This is important.

The interior of the refrigerator is provided with suitable ledges, *b*, designed to support the shelves C, which are preferably perforated to allow a free circulation of air.

Centrally through the top D, I form the opening *c*, which is countersunk, as shown at *d*, to receive the flange *e* of the drip-cup E, which flange is also countersunk, as at *f*, to receive the flange *g*, formed integral with the ice-receptacle F, which receptacle is perforated, as shown, to allow of the escape of the water as the ice becomes melted.

G is a cover to the ice-receptacle, which cover fits over the flange of the drip-cup and is retained in position thereby.

Interposed between the flange and the inner surface of the cover is a packing-ring, I, of any suitable material, which admits of an airtight union of the parts.

K is a waste-pipe leading from the bottom of the drip-cup and extending through the bottom of the refrigerator. It will be observed that this waste-pipe passes centrally through the interior of the refrigerator and through a perforation in each of the shelves. By this arrangement the pipe serves to prevent displacement of the shelves, and the water is utilized to help cool the interior of the refrigerator, which is important. The refrigerator is preferably provided with double glass panels, as shown.

Having thus described my invention, what I claim to be new is—

The combination, with a refrigerator proper, having its top provided centrally with a countersunk opening, of a drip-cup provided with countersunk flange engaging therewith, and a waste-pipe passed centrally downward through said refrigerator, an ice-receptacle formed with a flange engaging the countersunk flange of the drip-cup, a cover for said ice-receptacle, and a packing-ring interposed between said cover and the top D and against the side of the flange of the drip-cup, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

SYLVESTER FRITCH.

Witnesses:

G. L. WOODWARD,
D. W. COOK.