No. 720,929. PATENTED FEB. 17, 1903.

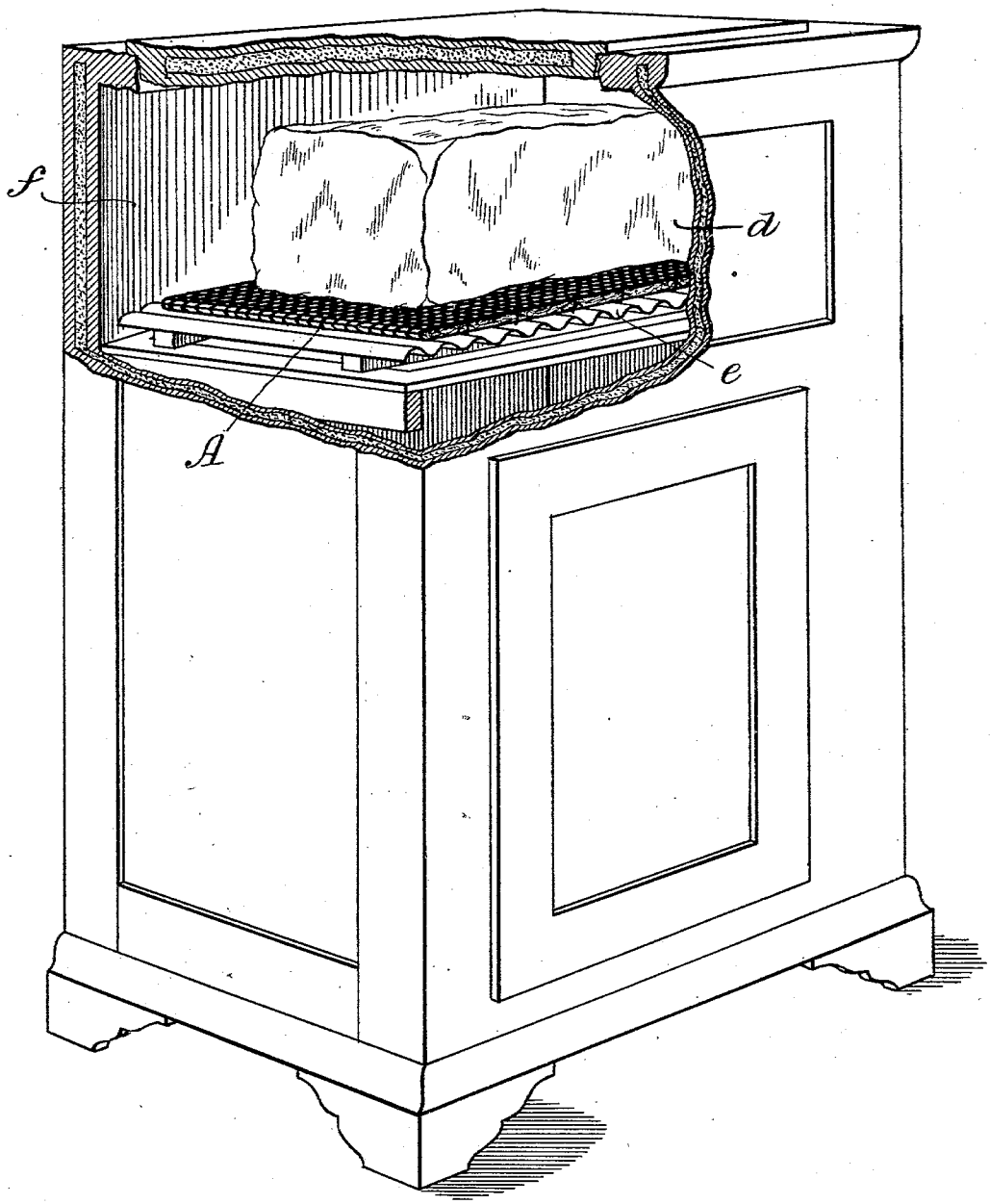
E. G. JOHNSON.

PAD OR SUPPORT FOR ICE.

APPLICATION FILED JULY 10, 1902.

MODEL. 2 SHEETS—SHEET 1.

Fig. 1.



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APPLICATION FILED JULY 10, 1902.

MODEL. 2 SHEETS—SHEET 2.

Fig. 2.

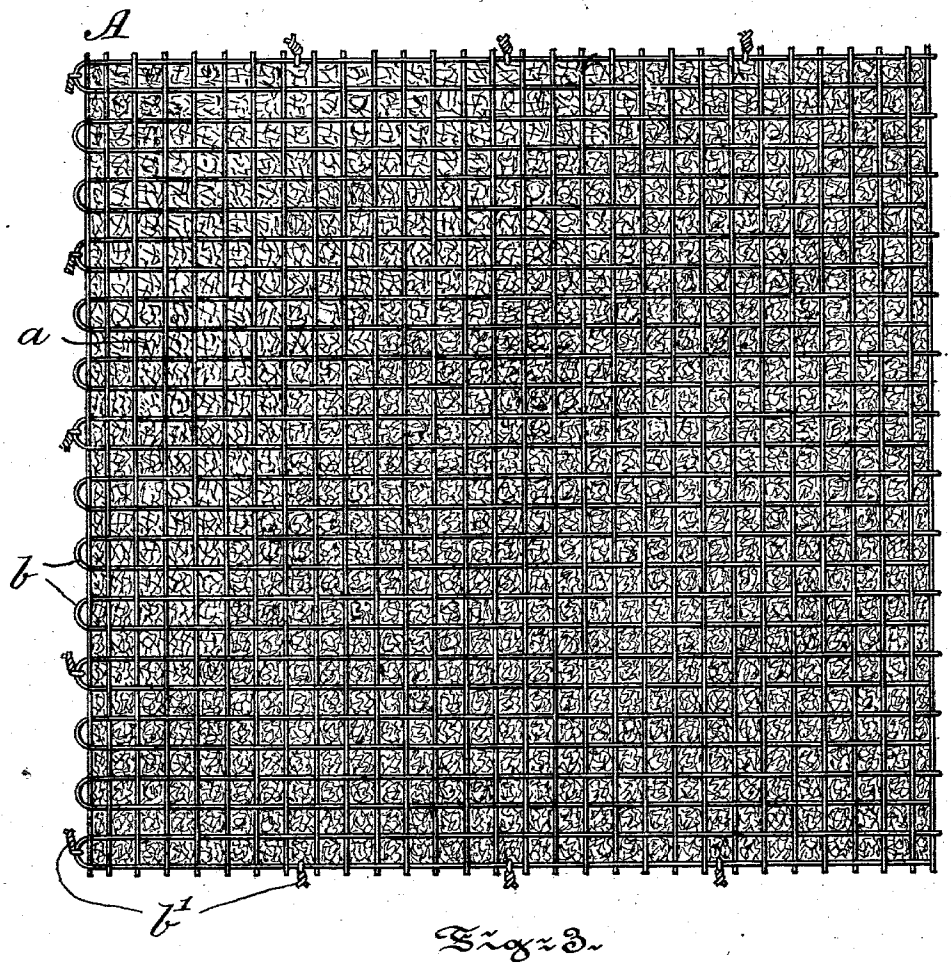


Fig. 3.

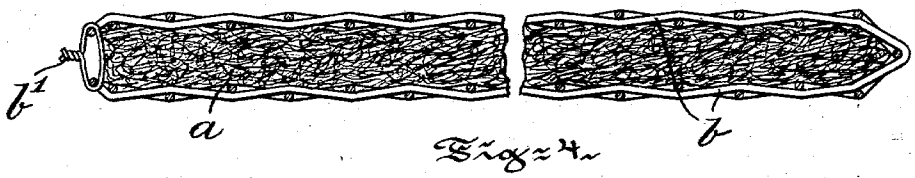
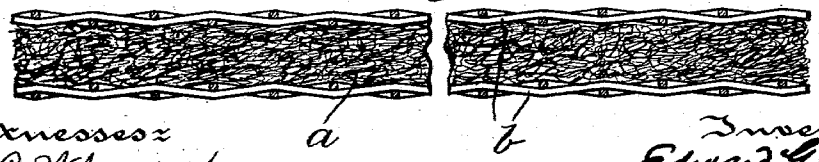


Fig. 4.



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UNITED STATES PATENT OFFICE.

EDWARD G. JOHNSON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO SAVIN ICE PAD COMPANY, OF PHILADELPHIA, PENNSYLVANIA, AND CAMDEN, NEW JERSEY, A CORPORATION OF NEW JERSEY.

PAD OR SUPPORT FOR ICE.

SPECIFICATION forming part of Letters Patent No. 720,929, dated February 17, 1903.

Application filed July 10, 1902. Serial No. 114,981. (Model.)

To all whom it may concern:

Be it known that I, EDWARD G. JOHNSON, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Pads or Supports for Ice, of which the following is a specification.

My invention has relation to a pad or support upon which ice may be placed and which not only forms a yielding or elastic support for the ice, but also serves as an insulation to prevent too-rapid melting of the ice resting upon the pad or support, as well as a receptacle or container for drippings of the ice, and by circulation of air in the chamber or box in which the pad or support is mounted permitting of the evaporation of the drip-water flowing into the pad or support, thereby always in use maintaining the ice supported by the pad in a comparatively dry state under a lowered temperature, assisted by the circulation of the air for the maintenance of such condition of the chamber and ice therein; and in such connection it relates more particularly to the construction and arrangement of such a pad or support.

The principal object of my invention is to provide a pad or support for ice consisting of hair-felt sheathed by a netting, so as to protect the felt against disintegration under either moisture or pressure, and adapted to absorb as a receptacle or container drippings of the ice in melting when supported upon the pad or support and by the circulation of air in the chamber or box in which the pad or support is mounted permitting of the evaporation of the drip-water carried into the pad or support.

The nature and object of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a perspective view of a refrigerator with the ice-chamber partly broken away to illustrate the pad embodying main features of my invention in operative position in said chamber. Fig. 2 is a top or plan view, enlarged, of the pad embodying my invention. Fig. 3 is a cross-sectional view, still further enlarged, of the pad; and Fig. 4 is a view similar to Fig. 3, but taken at right angles to the view in Fig. 3.

Referring to the drawings, the pad A consists, essentially, of a sheet a of hair-felt or similar porous, spongy, or pilous material so bound or held together by a perforated metallic or similar casing b as to prevent its disintegration under the influence of either moisture or pressure.

As illustrated in Figs. 2, 3, and 4, the sheet a of hair felt is inclosed or sheathed by a wire-netting b, so that both of the faces of the sheet a are protected by a perforated metallic sheet b, and the edges of the sheet a are likewise protected either by the netting b or by tying-wires b', as clearly illustrated. The netting b or perforated metallic sheet serves to hold the fibrous or pilous material a in sheet form without, however, impairing its porous nature, and the sheathing b also serves to prevent the compression of the sheet a beyond its point of resiliency under the weight of the cake of ice d, supported upon the pad.

In use the pad A is placed either upon the metallic floor of the ice-chamber f or upon a shelf or lattice-work e on the base of said chamber f, as illustrated in Fig. 1. The block d of ice is then placed upon the pad A. The pad now performs several functions—namely, it serves to insulate the block d of ice from the air in the ice-chamber and from the bottom metal surface of said chamber. It also serves as a cushion or support interposed between the block d and the ice-chamber bottom, which cushion is not only elastic or resilient, but also porous. It also acts as a receptacle or container to absorb the drip-water from the melting of the ice, and the continuous circulation of air within the chamber or box in which the pad supporting the block of ice is contained also serves to evaporate the drip-water passing or flowing onto the pad, and thus to lower the temperature of the chamber or box, and hence retard the melting of the ice therein. Moreover, by the absorption of the water from the ice by the

pad and the evaporation of the same on the pad by the circulating air of the chamber or box the ice supported within the same upon said pad is maintained at all times in a comparatively dry state, and thus is effected a great saving in the melting of the ice. The ice normally resting upon the metallic netting *b* of the pad as the sheathing therefor embeds itself into the ice, and thus while supporting the same as a pad maintaining the ice as a fixture to avoid displacement of the ice in the chamber or other receptacle.

Having thus described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

A pad or support for ice, consisting of hair felt sheathed by a netting to protect the felt against disintegration under either moisture or pressure, said pad adapted to insulate one surface of the ice and to absorb, as a receptacle, the drip-water from the ice and to permit of the evaporation of said drip-water to lower the temperature of the container in which the ice is held as well as to maintain the ice in a comparatively dry state.

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

EDWARD G. JOHNSON.

Witnesses:

J. WALTER DOUGLASS,

THOMAS M. SMITH.