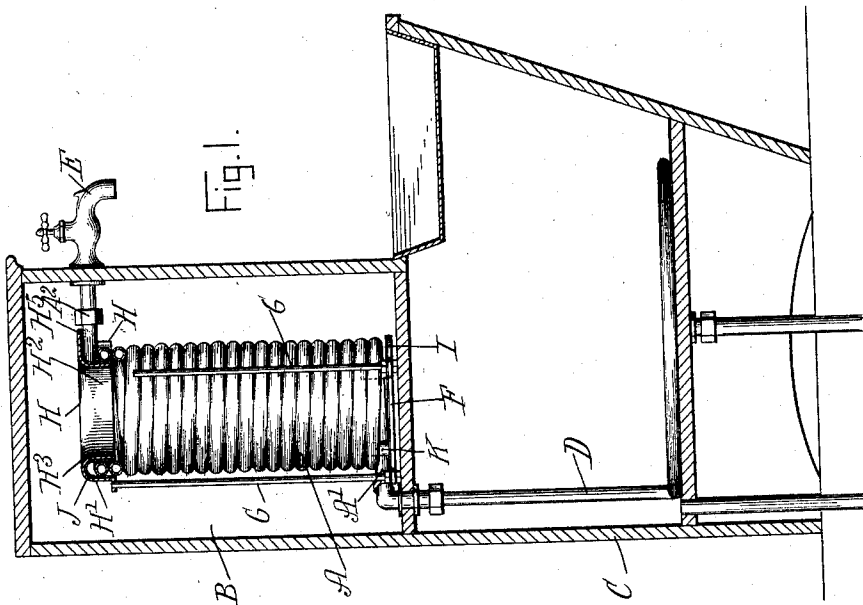
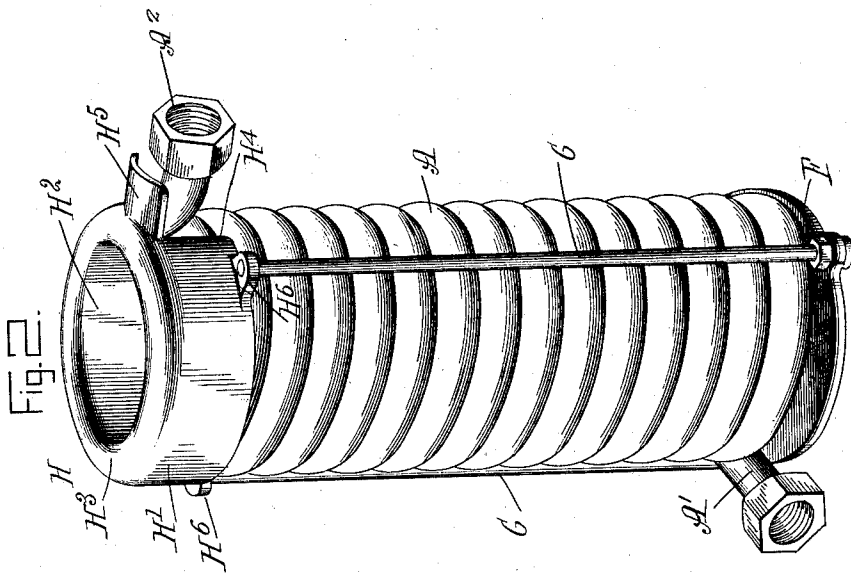


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1,043,660.



WITNESSES

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HARRY E. BAILEY, OF ALBANY, NEW YORK.

COIL-PROTECTOR.

1,043,660.

Specification of Letters Patent.

Patented Nov. 5, 1912.

Application filed March 8, 1912. Serial No. 682,484.

To all whom it may concern:

Be it known that I, HARRY E. BAILEY, a citizen of the United States, and a resident of Albany, in the county of Albany and State of New York, have invented a new and Improved Coil-Protector, of which the following is a full, clear, and exact description.

The invention relates to refrigerators such as are used for cooling beer and other liquids immediately previous to dispensing the same at a bar counter or the like.

The object of the invention is to provide a new and improved coil protector arranged to protect the coil in the refrigerator cabinet or casing against injury when packing ice into the opening of the coil and around the coil within the said cabinet.

For the purpose mentioned use is made of a base for the coil to rest on, a top cap having inner and outer spaced walls for receiving between them the upper end of the coil, and supporting rods on the base supporting the cap independently of the coil.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a side elevation partly in section of the coil protector as applied to a coil arranged in the refrigerating cabinet of a bar; and Fig. 2 is an enlarged perspective view of the coil protector in position on the coil.

The refrigerating coil A, as shown in Fig. 1, is arranged within a cabinet or a casing B forming part of a bar counter or a like fixture C, and the lower end A' of the coil A is coupled or otherwise fastened to a supply pipe D leading to a beer barrel or other liquid supply under pressure to cause the liquid to flow through the coil A. The upper end A² of the coil A is connected with a faucet E arranged on the outside of the cabinet B to permit of drawing the beer or other liquid whenever it is desired to do so. The coil A is supported at its bottom on a base F provided with upwardly-extending rods G supporting a cap H provided with outer and inner walls H', H² spaced apart and depending from a rounded-off top H³, as plainly indicated in the drawings, the said walls H' and H² receiving between them the upper or last convolution of the coil A without the cap H being supported on the coil. The outer wall H' is provided

at one side with an opening H⁴ for the free passage of the end A² and a flange H⁵ extends integrally from the outer wall H' over the end A² so as to protect the same, it being understood that the flange H⁵ is at the upper end of the opening H⁴. A rubber washer I is interposed between the base F and the bottom of the coil A, and a similar washer or lining J is arranged inside of the cap H so as to prevent the direct contact of the cap H with the top convolution of the end A² of the coil A. The base F is provided with rubber-covered retaining lugs K fitting against the inner surface of the lowermost convolution of the coil A to hold the latter in central position on the base and against sidewise displacement.

In practice the supporting rods G are extended a distance below the base F to form legs with a view to support the protector from the bottom of the cabinet B, and the lower ends of the rods G are preferably fastened to the base F by nuts while the upper ends of the said rods are riveted to apertured lugs H⁶ forming integral parts of the outer wall H' of the cap J. It is expressly understood that the cap H is independently supported from the base F of the coil A and hence the bartender or other person packing ice into the cabinet B around the coil A and into the opening thereof is not liable to injure the coil A as the same is protected on top by the cap H, which latter can stand pounding when forcing the ice into the opening of the coil. It is further understood that the crushed ice is packed as solidly as possible in the cabinet B and in the opening of the coil so as to last a long time, without requiring refilling with ice. By having the washers I and J interposed between the metal parts, that is, the base F and the bottom of the coil A and the cap H and the top of the coil A said parts are not liable to corrode or oxidize as the rubber washer is interposed between the metal parts and hence the latter do not contact.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A coil protector, comprising a base for the coil to rest on, a cap having outer and inner spaced walls for receiving between them the upper end of the coil, the outer wall having an opening for the passage of the end of the coil and the said outer wall

having an integral protecting flange extending over the said end of the coil to protect the same, and supporting rods on the base and supporting the said cap independently of the coil.

2. A coil protector, comprising a base for the coil to rest on, a cap having outer and inner spaced walls for receiving between them the upper end of the coil, a rubber washer interposed between the base and the bottom of the coil, a similar washer arranged inside of the cap to prevent the direct contact of the cap with the upper end of the coil, and supporting rods on the base and supporting the said cap independently of the coil.

3. A coil protector, comprising a base for the coil to rest on, a cap having outer and inner spaced walls connected at the top, and adapted to receive between them the upper end of the coil, supporting rods extending outside of the coil and connecting the outer wall of said cap with the base to support the cap independent of the coil, and rubber coated retaining lugs on the base and fitting against the inner surface of the lowermost convolution of the coil to hold the latter in position on the base.

4. A coil protector, comprising a base for the coil to rest on, a cap having outer and inner spaced walls for receiving between them the upper end of the coil, and supporting rods extending upwardly from the base and supporting the said cap independently of the coil, the said supporting rods extending below the base to form legs for supporting the protector.

5. A coil protector, comprising a base for the coil to rest on, a cap having outer and inner spaced walls for receiving between them the upper end of the coil, means for supporting the said cap from the base, the outer wall of said cap having an opening for the passage of the upper end of the coil, and a flange projecting outwardly from the upper part of the outer wall of said cap, and extending over the said upper end of the coil to protect the same.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARRY E. BAILEY.

Witnesses:

FRANK J. GUILFOYLE,
HUGH J. McKEON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."