

(No Model.)

T. KELPIEN.

REFRIGERATING ATTACHMENT FOR BEER KEGS.

No. 347,117.

Patented Aug. 10, 1886.

fig. 1.

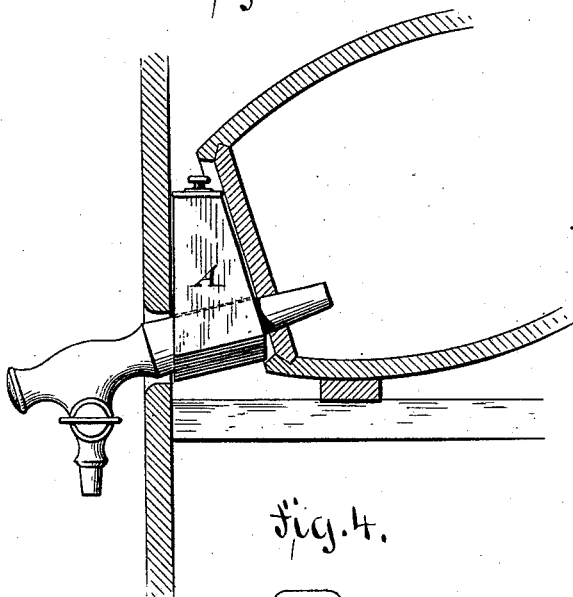


fig. 2.

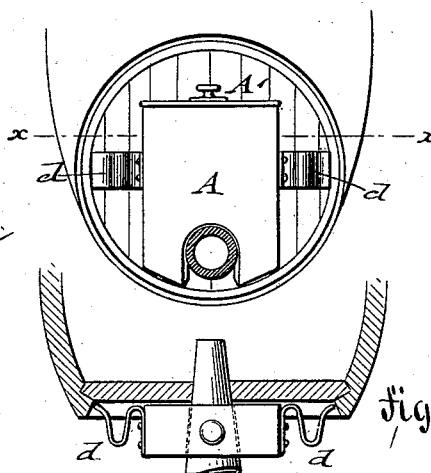


fig. 4.

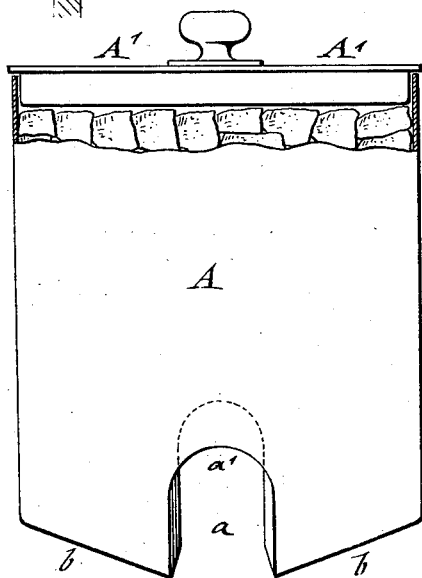


fig. 3.

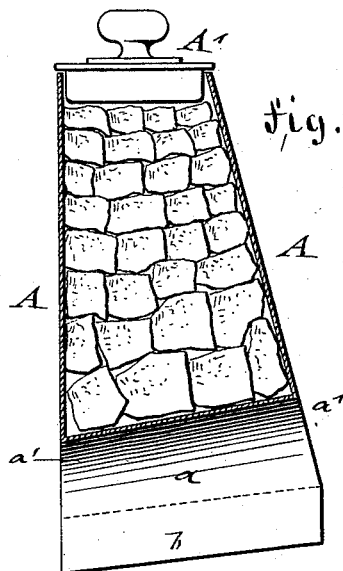


fig. 5.

WITNESSES:

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REFRIGERATING ATTACHMENT FOR BEER-KEGS.

SPECIFICATION forming part of Letters Patent No. 347,117, dated August 10, 1886.

Application filed June 12, 1886. Serial No. 204,929. (No model.)

To all whom it may concern:

Be it known that I, THEODORE KELPIEN, of the city, county, and State of New York, have invented certain new and useful Improvements in Refrigerating Attachments to Beer-Kegs, of which the following is a specification.

This invention relates to an improved attachment for beer-kegs which is applied to the head of the key and the barrel of the faucet, whether the same be located in a refrigerator or supported on a stand, so as to exert by the metal of the faucet a cooling action on the beer or other liquid in the keg; and the invention consists of a cooling-vessel that is provided at the lower part with a central recess that tapers from the front to the rear wall, so as to ride on the barrel of the faucet, and with converging bottoms at both sides of said recess, which bottoms rest on the rim of the keg, and with retaining-springs attached to the sides of the upper part of the refrigerating-vessel, which springs also engage the rim of the keg and support the refrigerating-vessel in position at the head of the keg.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of a beer-keg with my improved refrigerating attachment placed in position on the faucet of the same. Fig. 2 is a front elevation of the keg and refrigerating attachment, showing the faucet in section. Fig. 3 is a horizontal section of the same on line *x x*, Fig. 2; and Figs. 4 and 5 are respectively a front view and a vertical transverse section of the attachment.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the body of my improved refrigerating attachment for beer and other kegs, which body has vertical front and side walls and a rear wall that is inclined to the front wall, the inclination of the rear wall corresponding to the inclination of the head of the keg when in position in an ice-box or on a stand. The body of the refrigerating-vessel A is made of galvanized sheet metal, and of a size corresponding to the size of the keg with which it is to be used. It is provided at the bottom with a central recess, *a*, having an arched or semicircular upper part, *a'*, said recess tapering from the front

toward the rear wall of the vessel, so as to be of less width at the rear end, but increasing in height, as shown clearly in Figs. 4 and 5, so that the refrigerating-vessel A can be placed astride of the barrel of the faucet and form intimate contact with the conical barrel at its central recess. The bottoms *b b* of the vessel A, at both sides of the recess *a*, are made to incline or converge toward each other, and are fitted to the rim of the keg below the faucet, as shown in Figs. 1 and 2. The vessel A is filled with small lumps of ice, and is preferably closed by a cover, A'. The vessel A is placed in front of the head of the keg when the latter is placed in a refrigerator of the usual construction, in which case the front wall of the attachment of the vessel rests against the front-wall of the refrigerator, while the inclined rear wall abuts against the head of the barrel, and the semicircular and tapering part of the recess *a* rests on the barrel of the faucet, as shown in Fig. 1. When in this position, no other fastening devices or attachments are required for the vessel. When the refrigerating attachment is desired to be used with kegs which are not placed in a refrigerator, but on a stand, an additional fastening device for the vessel A is necessary, which consists of S-shaped springs *d d*, that are riveted to the upper part of the vessel A, at both sides of the same, and so arranged that the outer ends of the same bind on the projecting rim of the keg, as shown in Fig. 3. When placing the vessel A in position, the S-shaped springs *d d* are slightly compressed by the hands that hold the vessel, which is then placed on the barrel and moved up against the head of the keg until the rear wall of the vessel abuts against the head, upon which the springs are released, so that the free ends of the same "bite" into the rim of the keg and prevent any change of position or detaching of the refrigerating attachment, even in case the keg should be accidentally shaken on its stand. The refrigerating attachment is thus supported at five points—first, on the barrel of the faucet; secondly, at two points of its bottom on the rim of the keg; and, thirdly, by the springs at two points of the projecting rim of the keg. The cooling action of the ice in the vessel A

is transmitted by the metallic faucet to the liquor in the keg, so that the same is cooled to a lower temperature.

The attachment is of special advantage with refrigerators, in which the low temperature required for the dispensing of the lager-beer cannot be obtained, and in case when the kegs are supported on stands and exposed thereby to a greater extent of the heat of the surrounding atmosphere.

A series of experiments has shown that the liquor in the kegs can be lowered to a temperature of about 50° Fahrenheit, which is the temperature desired for cooling beverages in the summer months.

The quantity of ice required by the cooling attachment is smaller when the same is used inside of a refrigerator, and somewhat larger when it is used outside of the same, as in the latter case the contact of the hot air with the cooling-vessel produces a quicker melting of the ice.

The attachment forms a cheap device for cooling beer and other fermented liquors, it can be readily and conveniently placed in position, cleaned without difficulty, and filled with ice whenever required.

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

1. The combination, with the faucet and head of a keg, of a refrigerating attachment composed of a vessel provided at its lower part with a central recess by which the vessel is placed astride of the faucet against the head of the keg, substantially as set forth.

2. The combination, with the head and faucet of a keg, of a refrigerating attachment composed of a vessel having a central tapering recess at its lower part, and inclined bottoms at

both sides of the recess, so as to ride on the faucet and rest on the lower part of the rim of the keg, substantially as set forth.

3. The combination, with the faucet and head of a keg, of a refrigerating attachment composed of a vessel having an inclined rear wall, a central recess at the lower part tapering from the front toward the rear, converging bottoms at both sides of the recess, and springs attached to the upper part of the vessel, said springs engaging the rim of the keg, substantially as set forth.

4. A refrigerating attachment for kegs, composed of a sheet-metal vessel having a central recess at the lower part, said recess tapering from the front toward the rear and increasing in height so as to snugly fit the faucet of the keg, substantially as set forth.

5. A refrigerating attachment for beer-kegs, composed of a sheet-metal body having a central recess at the lower part tapering from the front toward the rear, an inclined rear wall, and converging bottoms at both sides of the recess, substantially as set forth.

6. A refrigerating attachment for beer-kegs, consisting of a sheet-metal body having a central recess at the lower part, tapering from the front toward the rear, and springs attached to the sides of the same at the upper part, said springs being adapted to engage the rim of the faucet, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

TH. KELPIEN.

Witnesses:

PAUL GOEPEL.

MARTIN PETRY.