

UNITED STATES PATENT OFFICE

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DEFROSTING BRICK

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4 Claims. (Cl. 252-5)

This invention relates to a defrosting brick used for anti-freezing purposes, and compressed into the form of a brick of various shapes and sizes.

5 Another object of the device is to provide a defrosting brick that may be used to prevent water from freezing in drains, and also to remove ice from steps, and formed into various shapes that may be adapted to be inserted into
10 and suspended into drains, pipes and other places to perform a continuous anti-freezing service that would be impossible with a liquid.

The invention particularly relates to the production of a compound of this type from a solution of sodium chloride, alcohol and glycerine as
15 the main component which has mixed therein and incorporated as essential components thereof, creosote, ginger, and either hemlock or cedar oil with sawdust as a base.

20 The object of the addition of the oil to the anti-freeze compound is to retard the evaporation losses of the alcohol and to keep the compound from forming into a hard cake. The ginger and creosote also act as a disinfectant agent in the compound.

25 A preferred mode of realizing the invention is hereinafter described but it will be understood that according to the broader aspects thereof, the invention is not limited to the exact proportions herein specified, but may be varied upon the characteristics of the service for which the particular compound is intended.

A preferred formula for producing the compound for a given amount is as follows:

35 One quart of alcohol, one quart of glycerine, ten pounds of sodium chloride, four ounces of creosote, two ounces of ginger and two ounces of either hemlock or cedar oil. The ingredients are thoroughly mixed and then enough sawdust
40 is added to form the proper consistency and the whole pressed into a cake or cakes and covered with burlap or similar material to hold the compound into the form of a brick, which may be of various shapes and sizes.

45 Some of the characteristics of the compound

which results from carrying out the process above described are as follows:

The compound will melt ice formed around drain pipes, and also prevents ice from forming in the drain pipes when placed at the opening thereof.

The compound will not freeze at 40° below zero, Fahrenheit.

The compound does not have an injurious effect on the parts in which it may come in contact.

The compound also acts as a disinfectant as well as an anti-freeze compound.

The compound may also be used to thaw ice from steps and various other places, and also to prevent ice from forming thereon.

It is difficult to state with certainty all the various uses to which this compound may be applied, therefor applicant does not wish to limit the use of his compound to above stated uses only.

What I claim is:

1. The combination for forming an anti-freeze compound which comprises a mixture of sodium chloride, alcohol, glycerine, creosote, ginger, and hemlock oil, with sawdust added to form the proper consistency, with the whole compressed into the form of a brick with a covering thereon.

2. The combination for forming an anti-freezing compound which comprises ten pounds of sodium chloride, one quart of alcohol, one quart of glycerine, four ounces of creosote, two ounces of ginger and two ounces of hemlock oil, with sawdust added to form the proper consistency, with the whole compressed into the form of a brick with a covering thereon.

3. The combination for forming a compound of the class and for the purposes described which comprises mixing sodium chloride, alcohol, glycerine, creosote, ginger and hemlock oil, with sawdust added to form the proper consistency, with the whole compressed into the form of a brick with a covering thereon.

4. The composition according to claim 2 in which the oil used is cedar.

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