

UNITED STATES PATENT OFFICE.

HENRY V. HILL, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN CONSTRUCTING REFRIGERATORS.

Specification forming part of Letters Patent No. 750, dated May 25, 1838.

To all whom it may concern:

Be it known that I, HENRY V. HILL, of the city of Washington, in the District of Columbia, have invented an improvement in the refrigerators employed for the preservation of articles of food, by means of which improvement the metallic lining generally used is dispensed with, while the timber is rendered more durable and the instrument is more effectually preserved from any offensive odor; and I do hereby declare that the following is a full and exact description thereof.

I construct a double box or chest in the usual way, interposing between the two pulverized charcoal or other bad conductor of heat, as has heretofore been done; but, instead of lining the inner box or chest with zinc or other metal, I saturate the wood with a resinous composition, which I cause the pores of the wood to imbibe by the means of heat. The composition which I in general use and the means by which I apply it are as follows: I combine together about two parts of rosin and one part of beeswax, and by means of irons made as hot as can be admitted without actually burning the materials I spread this resinous matter over

the inside of the box, continuing the operation until I have forced as much of it into the pores of the wood as they will imbibe, and also leaving a thin coating thereof upon the surface. This preparation will effectually protect the wood from the action of the water, and consequently from decay.

Isometimes, especially where the refrigerator is to be kept in a damp place, coat the outside thereof also with a similar resinous material in the same way. The composition may also, if preferred, be applied both to the exterior and interior of the boxes or cases constituting the refrigerator.

What I claim as my improvement in refrigerators is—

The saturating and coating the wood of which they are constructed with a composition of rosin and beeswax, or with any other resinous compound similar in its properties, in the manner and for the purposes herein set forth.

H. V. HILL.

Witnesses:

GEO. JOHNGEN,
JAMES BIRTH.