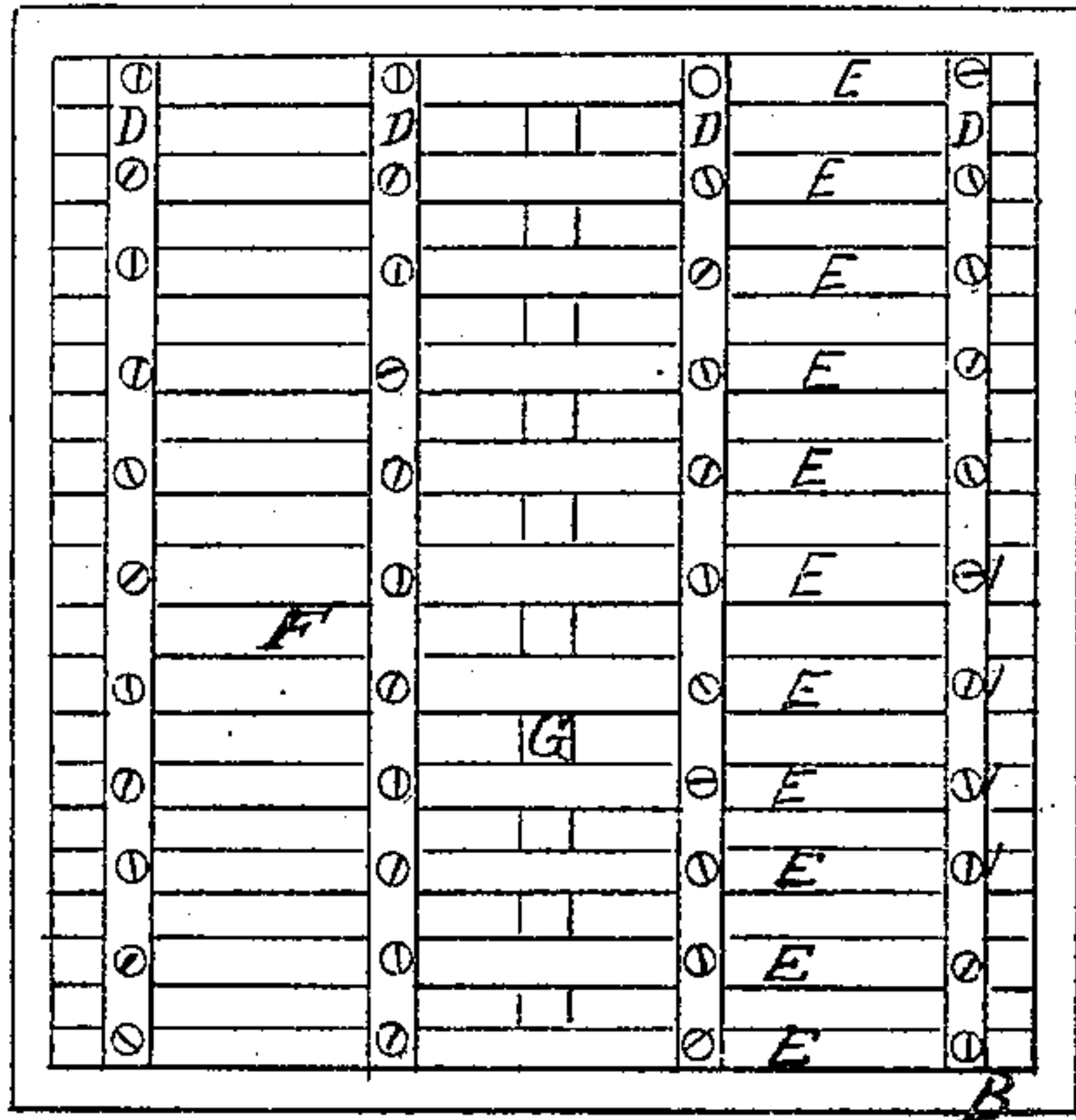


J. Barbier

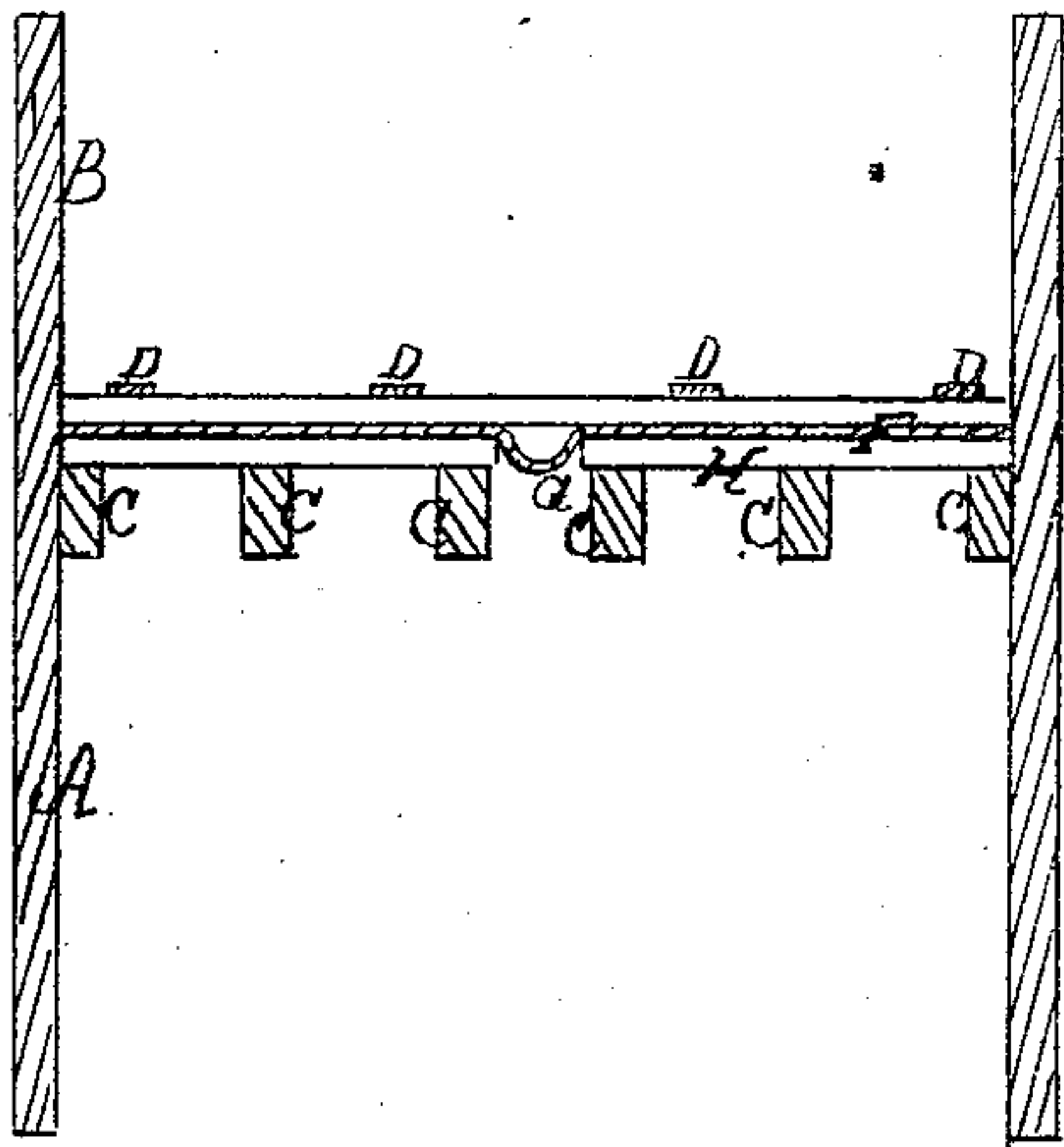
Combined Ice House Floor

Fig. 1. 72960



PATENTED
JAN 7 1868

Fig. 2.



witnesses,
Geo. J. Chapman,
A. Hayward,

inventor
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United States Patent Office.

JOSEPH BARBIAN, OF CHICAGO, ILLINOIS.

Letters Patent No. 72,960, dated January 7, 1868.

IMPROVEMENT IN ICE-HOUSE FLOOR.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOSEPH BARBIAN, of Chicago, in the county of Cook, in the State of Illinois, have invented a Combined Ice-House Floor; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a plan view of my floor.

Figure 2 a vertical sectional elevation of the same.

The nature of my invention consists in laying a metallic floor, of zinc or other similar material, on pieces laid transversely across the timbers which support the ice-house, and in covering said floor with strips either secured by metallic straps and screws or wooden binders put crosswise for the purpose of supporting ice without damage to said metallic floor; and in making the covering in sections, or in such a number of pieces as will permit it to be readily removed for repairing the floor, and for other purposes, as the case may require.

In order to give a clear understanding of my invention, I have marked corresponding parts, and will now give a detailed description.

A represents the cellar or lower part of an ice-house, and B the part in which the ice is stored. I use the common joists C C, &c., upon which are fastened transverse strips, H, fig. 2, such a distance apart as will fully support a floor, F, made of zinc or other suitable metal, which is not likely to corrode. A trough, G, is made in said floor, F, at such intervals as is most convenient for draining water from the melted ice and conveying it to a convenient place to be discharged. I cover the metallic floor F with a series of strips, E E, &c., placed transversely to the trough G, by which means (as the floor F has an inclination) the melted ice is made to pass into said trough, and hold said strips E in place by means of a series of wooden cross-ties, D, securely fastened to the strips by means of screws or otherwise, as most convenient, the object being to make a suitable protection for floor F, and prevent its being broken by use. This arrangement provides a good and convenient floor for ice-houses, which can be made for much less expense than those now used for a similar purpose, and is especially desirable for beer-cellars and other rooms where a large body of ice is to be kept for the preservation of meats, liquids, and vegetables; and as no change is required in the arrangement of the main timbers of any common ice-house floor, my invention can be applied without change of construction, as will be seen from drawings: I prefer zinc for the floor F, in consequence of its cheapness and durability, and also in view of the ease with which it can be put down and the joints secured.

Having thus fully described my device, what I claim, and desire to secure by Letters Patent, is—

An ice-house floor, composed of the grooved zinc plate F, strips C C, and strips E, connected by metallic bands D, all constructed and arranged substantially as described.

J. BARBIAN.

Witnesses:

GEO. L. CHAPIN,

A. HAYWARD.