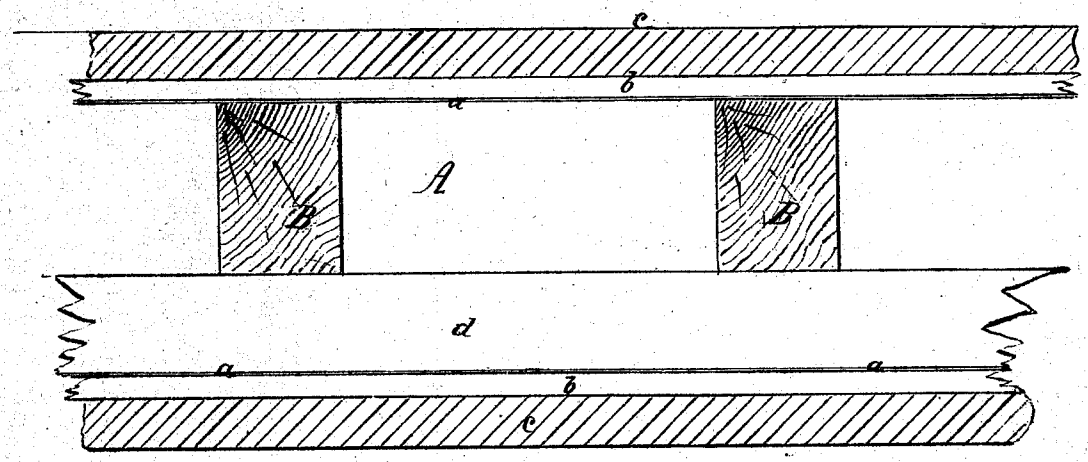
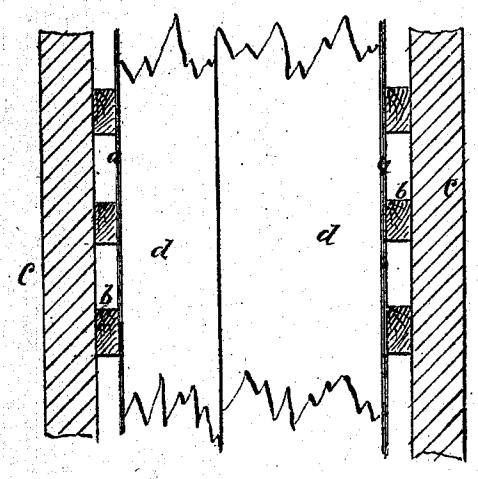
J. J. Schillinger's Impt in Walls & Floors of Buildings.

104360

PATENTED JUN 14 1870





Witnesses:
E. F. Kastenhuber
C. Wahler

Inventor:
J. J. Schillinger
By Van Santvoord & Hauff
his Attys

UNITED STATES PATENT OFFICE.

JOHN J. SCHILLINGER, OF NEW YORK, N. Y.

IMPROVEMENT IN WALLS AND FLOORS FOR BUILDINGS.

Specification forming part of Letters Patent No. **104,360,** dated June 14, 1870.

To all whom it may concern:

Be it known that I, JOHN J. SCHILLINGER, of the city, county, and State of New York, have invented a new and useful Improvement in Walls and Floors for Buildings; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which drawing—

Figure 1 represents a horizontal section of this invention. Fig. 2 is a transverse section of the same.

Similar letters indicate corresponding parts.

This invention relates to a wall or floor for buildings, which is composed of a layer of felt or tar-paper, a layer of laths, and a layer of artificial stone, the felt or tar-paper being applied either directly to the joists or to boards fastened to said joists, in such a manner that, by the felt or tar-paper, the boards or joists are protected against moisture while putting on the plastic compound of artificial stone; and, furthermore, an air-tight wall is produced, which is of particular value for ice-houses, but which can be used with advantage for internal walls or floors, as well as for external walls of buildings of any desired construction.

In the drawing, the letter A designates a wall, composed of joists or uprights B, to which is secured a layer, *a*, of felt or tar-paper, and a second layer, *b*, of laths, which are then covered with a layer, *c*, of artificial stone.

If desired, an intermediate layer, *d*, of boards may be interposed between the layer *a* of felt or tar-paper and the joists or uprights B.

By the layer of felt or tar-paper the joists or boards are protected against the moisture during the operation of applying the wet compound of artificial stone, and when the compound has set, a firm, durable, and air-tight wall is produced, which is of great value for ice-houses or other buildings. If desired, however, my invention can also be applied to internal walls or to floors.

The compound for artificial stone which I use, by preference, is made of cement and sand mixed together to form a plastic mass, which is applied to the wall or floor, as above stated.

What I claim as new, and desire to secure by Letters Patent, is—

A wall or floor for buildings composed of a layer of felt or tar-paper, a layer of laths, and a layer of artificial stone, with or without an interior layer of boards, substantially as shown and described.

This specification signed by me this 10th day of February, 1870.

JOHN J. SCHILLINGER.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.