

(No Model.)

J. W. MARK.
ILLUMINATING TILE.

No. 528,004.

Patented Oct. 23, 1894.

Fig. 1.

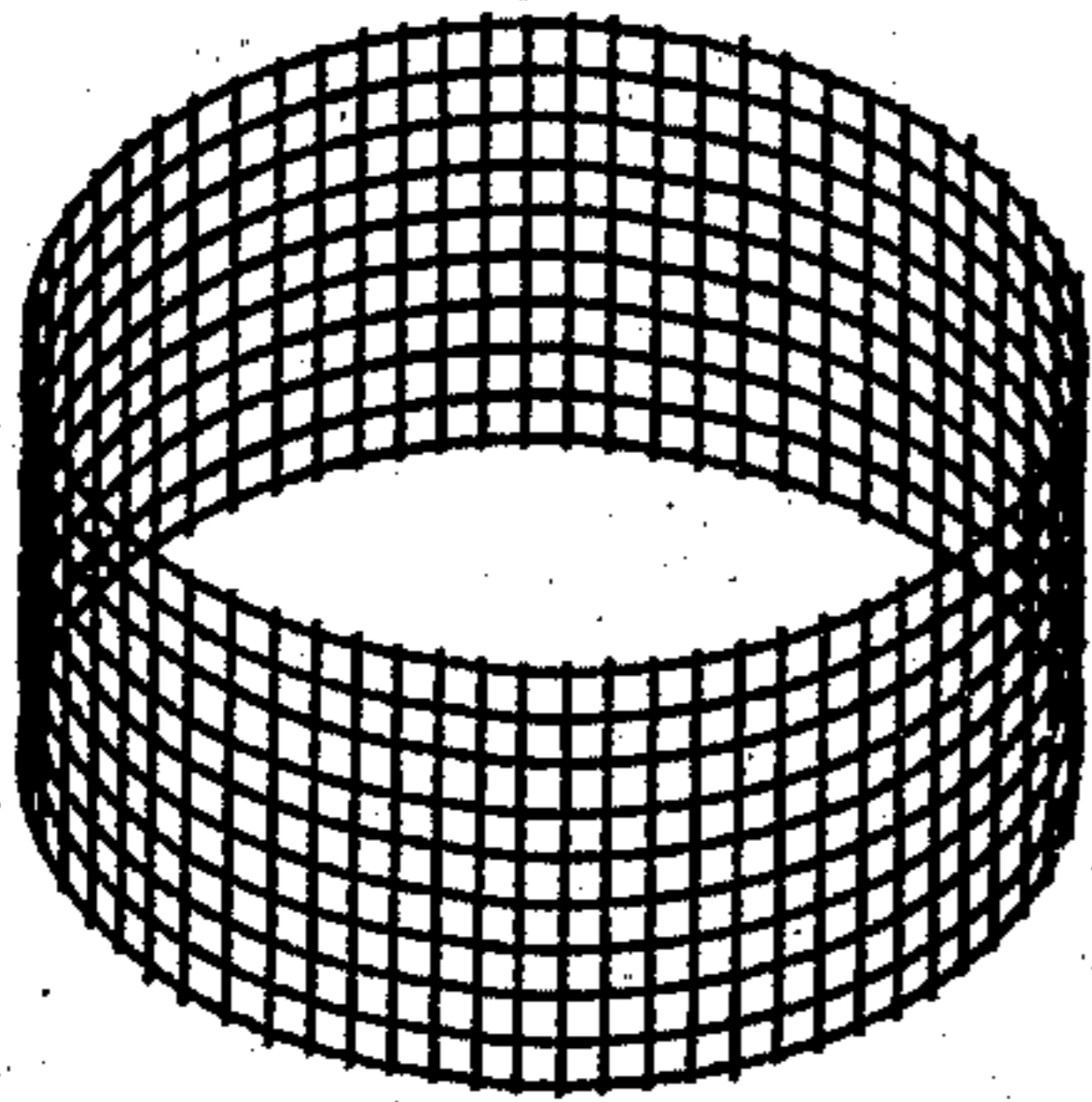


Fig. 2.

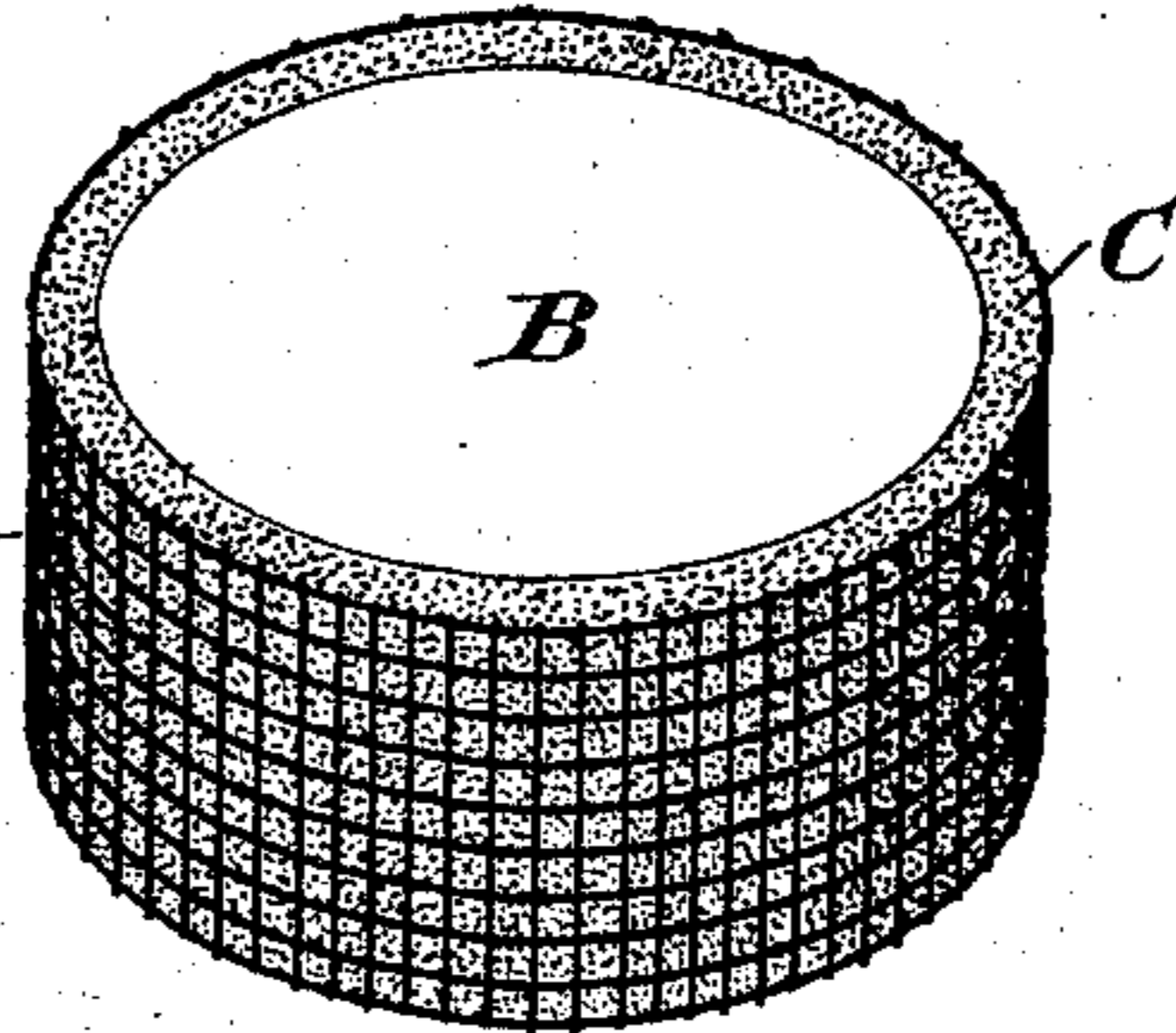


Fig. 3.

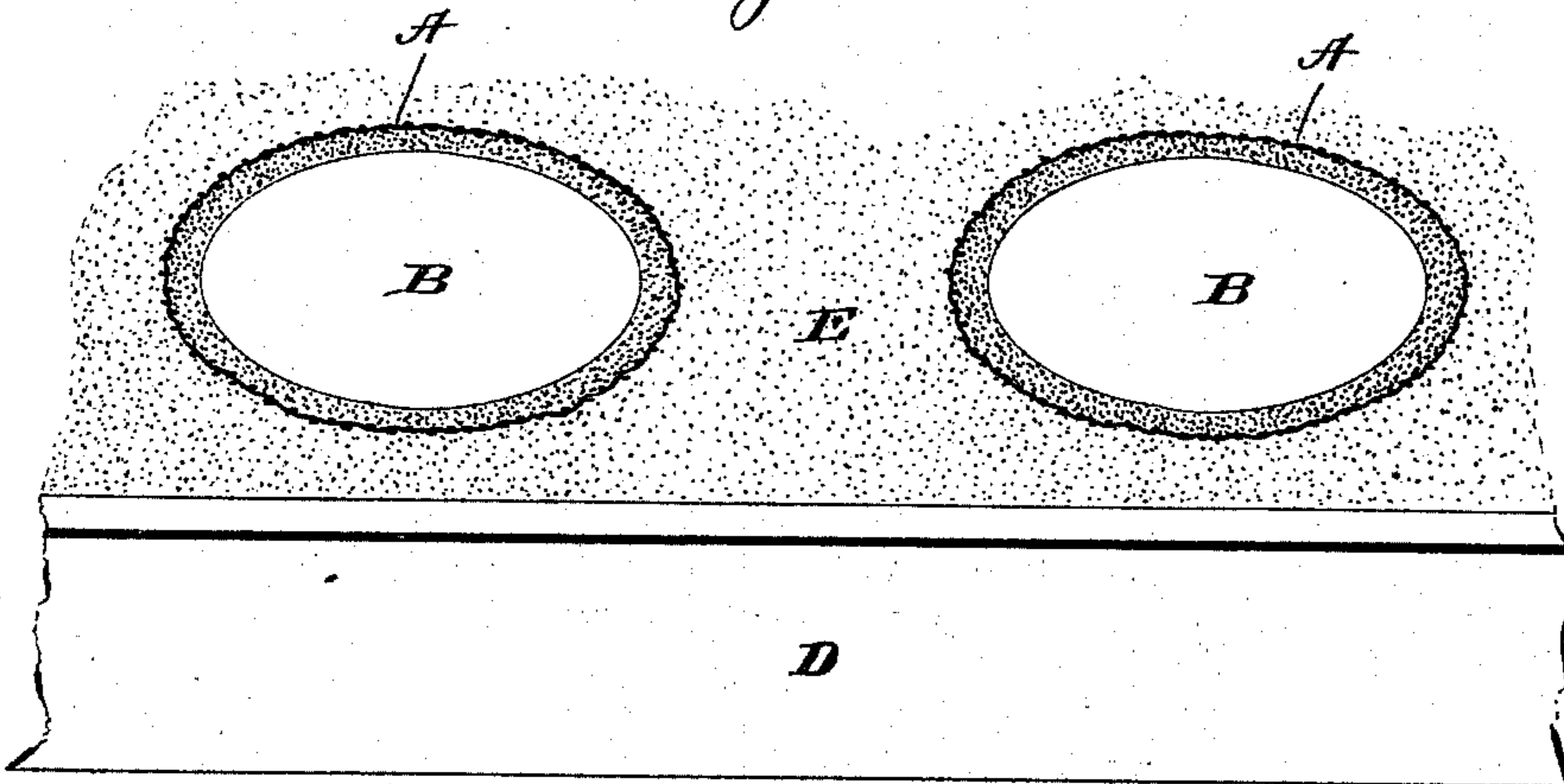
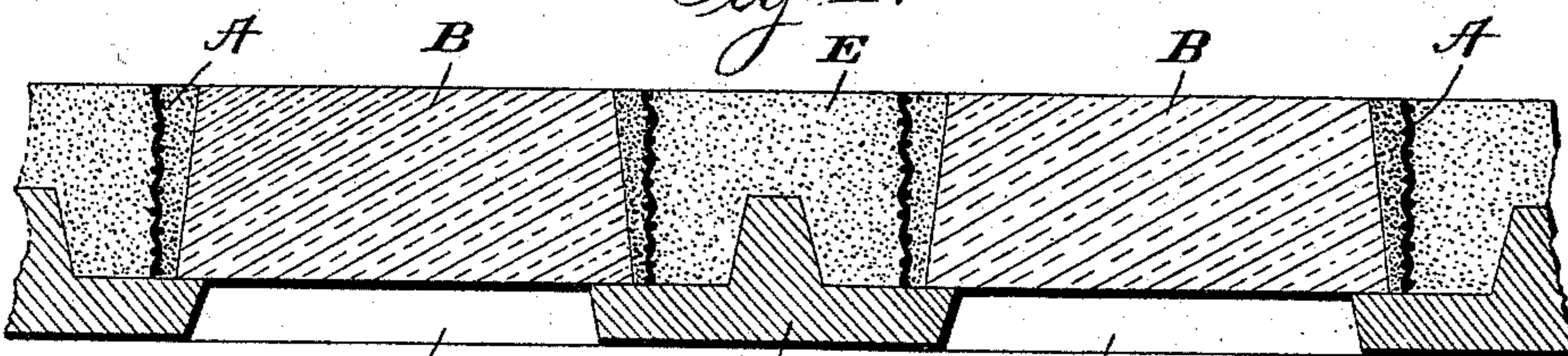


Fig. 4.



Witnesses:
Jas. E. Hutchinson.
W. Williamson.

Inventor.
John W. Mark, by
Grindle & Russell, his Attys.

UNITED STATES PATENT OFFICE.

JOHN W. MARK, OF NEW YORK, N. Y.

ILLUMINATING-TILE.

SPECIFICATION forming part of Letters Patent No. 528,004, dated October 23, 1894.

Application filed April 24, 1894. Serial No. 508,879. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. MARK, of New York city, in the county of New York, and in the State of New York, have invented certain new and useful Improvements in Illuminating-Tiles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my ring for use in setting illuminating lenses. Fig. 2 is a like view of the same, when combined with a lens. Fig. 3 is a perspective view of a tile containing said improvement, and Fig. 4 is a vertical section of the same upon a line passing through the light openings.

Letters of like name and kind refer to like parts in each of the figures.

The design of my invention is the provision of a lens-inclosing band or ring for illuminating tiles, that will be cheap of manufacture, and very efficient as a means to securely hold the lens against accidental displacement, and to this end said invention consists in the ring or band, and its combination with the lens and tile, substantially as and for the purpose hereinafter specified.

My invention relates to that class of illuminating tiles in which the lenses are first mounted in a ring or band, and then placed over the light openings of a tile, and the spaces around and between them filled with concrete or like material.

In the carrying of my invention into practice, I construct a ring or band A, of wire cloth or meshed fabric, and place the same around a lens B, of such diameter that a space will be left between them for a filling of cement C, to unite them. The combined lens and band are then set over one of the light openings *d*, formed in a suitable tile body D, and the spaces around and between are filled with concrete E, or like material to a level flush with the surfaces of the lenses.

It will be seen that the cement C and concrete E will enter and be interlocked in the interstices of the wire cloth, and thus most effectually unite the band and lens, and hold the latter from accidental dislodgement from its position over the light opening of the tile. Said interstices also enable the absorption by the concrete E of any excess of moisture which may tend to collect or pass down around the lens, and thus, avoid leakage through the tile as well as to utilize such moisture to save the concrete from disintegration from undue dryness.

I do not claim as my invention the combination of a tile body having light openings, a glass over each of the latter, a ring or band inclosing each glass having openings through its sides and concrete or the like surrounding the ring.

Having thus described my invention, what I claim is—

1. As an improvement in illuminating tiles, the combination of a tile body that has a number of light openings, a lens over each opening, cement around the sides of each lens, a ring or band formed of wire placed around the cement, and concrete or the like, in the spaces between the lenses, substantially as and for the purpose specified.

2. An illuminating tile composed of a tile body that has a number of light openings, a lens over each opening, a ring or band surrounding the lens, and made of cloth or meshed fabric, cement between the lens and band, and concrete in the spaces between the lenses, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of March, 1894.

JOHN W. MARK.

Witnesses:

E. L. WHITE,
HENRY C. HAZARD.