

T. HYATT.
Illuminating Vault-Covers.

No. 145,202.

Patented Dec. 2, 1873.

Fig. 1.

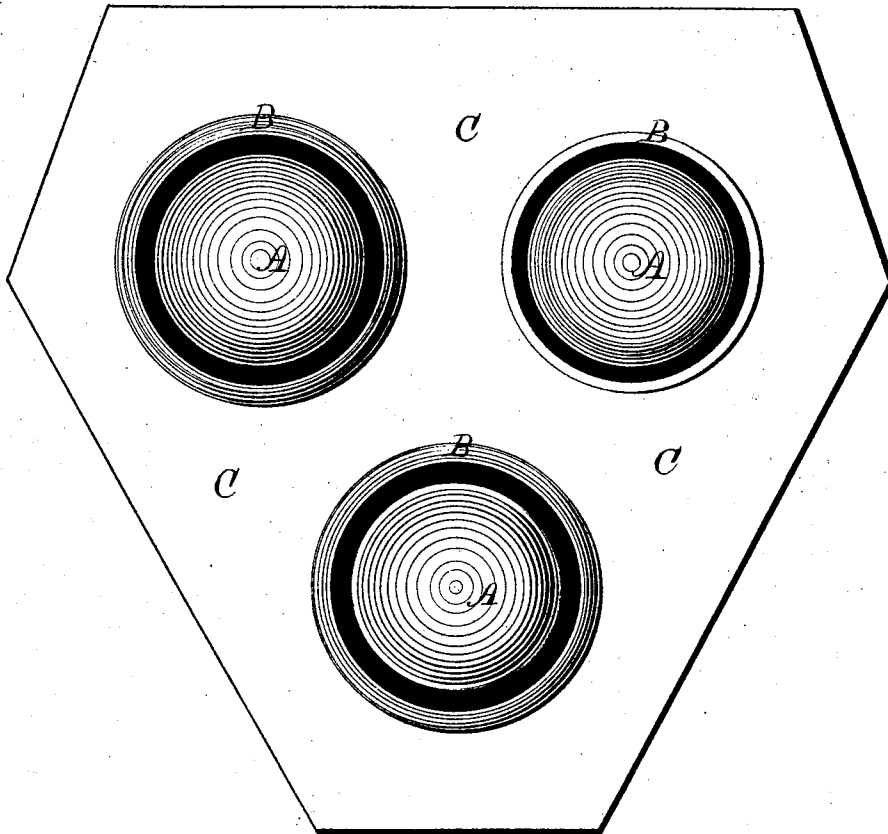
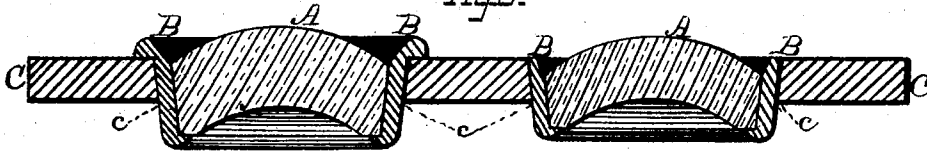


Fig. 2.



WITNESSES:

James C. Hutchinson
John R. Young

INVENTOR.

Thaddeus Hyatt, by
Prindle and Beane, his Attys.

UNITED STATES PATENT OFFICE.

THADDEUS HYATT, OF NEW YORK, N. Y., ASSIGNOR TO ELIZABETH A. L. HYATT, OF SAME PLACE.

IMPROVEMENT IN ILLUMINATING VAULT-COVERS.

Specification forming part of Letters Patent No. **145,202**, dated December 2, 1873; application filed October 22, 1873.

CASE 8.

To all whom it may concern:

Be it known that I, THADDEUS HYATT, of New York, in the county of New York and in the State of New York, have invented certain new and useful Improvements in Illuminating-Gratings; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a plan view of the upper side of an illuminating pavement-plate having its lens secured in place by my improved method, and Fig. 2 is a vertical section of the same.

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

The design of my invention is to enable illuminating-lenses to be securely set in plates having but little thickness; and it consists in a lens set within an inclosing metal frame, which is capable of being soldered to and within a supporting-plate, substantially as and for the purpose hereinafter specified.

In the annexed drawing, A represents a glass lens, set within an annular metal frame, B, and secured therein by means of cement or solder applied to the space left between the upper contiguous corners of said parts. The

frame B is preferably made tapering, its smallest end being downward, and may or may not have a horizontally-projecting head or flange at its upper end; but its outer side is tinued or otherwise prepared, so that, when placed within a corresponding opening, *c*, in a supporting-plate, C, it may be securely soldered to said plate.

This method of securing the lens in place enables any desired thickness of supporting-plate to be employed, the attachment being perfect and secure, whether it has a vertical depth of one inch or one-twentieth of an inch.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

An illuminating-lens set within an inclosing metal frame, which is capable of being soldered to and within a supporting-plate, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 26th day of July, 1873.

THADDEUS HYATT.

Witnesses:

AMBROSE MONELL,
CHARLES SPYR.