

T. HYATT.
Illuminating Roofing.

No. 142,472.

Patented September 2, 1873.

Fig. 1.

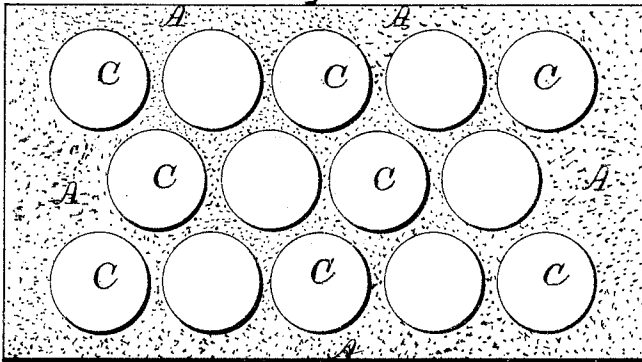


Fig. 2.



WITNESSES:

Geo. E. Hutchinson
John R. Young

INVENTOR.

Theodore Hyatt, by
Prindle and Co., his Attys

UNITED STATES PATENT OFFICE.

THEODORE HYATT, OF NEW YORK, N. Y.

IMPROVEMENT IN ILLUMINATING ROOFINGS.

Specification forming part of Letters Patent No. **142,472**, dated September 2, 1873; application filed August 21, 1873.

CASE A.

To all whom it may concern:

Be it known that I, THEODORE HYATT, 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 Roofing; 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 my improved roofing, 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 object of my invention is to enable a building, court, &c., to be inclosed upon its upper side by means of an illuminating covering, which shall be impervious to water and unchangeable by the action of fire, to which end it consists in a roofing-plate composed of sheets of asbestos board or paper, and provided with glazed illuminating openings, substantially as and for the purpose hereinafter specified.

In the annexed drawing, A represents a roofing-plate, constructed of or from a sheet or board of asbestos, the thickness of which depends upon the position to be occupied by said plate and the distance between its supports. Passing in and through the plate A are a series of light openings, B, each of which is closed by a glass lens, C, that is cemented or otherwise secured in place so as to make a close joint between its edge and the edge of its opening.

The plate thus constructed is used in the or-

inary manner for inclosing the upper sides of buildings, courts, &c., and possesses the following-named advantages: First, it is indestructible by fire, either from within or without the building, by which means an internal fire can be prevented from getting vent, while an external fire can be kept from the interior of a building protected by said roofing. Second, the roofing is not affected by changes of temperature, while with metal roofing the extremes of heat and cold so change the shape and dimensions of the plates as to cause the roof to leak. Third, being a non-conductor of heat the asbestos plates do not condense moisture upon their under sides whenever a sudden change occurs in the temperature of the air. Fourth, the asbestos plates are impervious to water, and having a much less weight than iron of a corresponding strength can be employed in places where it would be impracticable to use iron.

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

As a new article of manufacture a roofing-plate composed of asbestos board or paper, and provided with glazed illuminating openings, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of August, 1873.

THEODORE HYATT.

Witnesses:

GEO. S. PRINDLE,
EDM. F. BROWN.