No. 816,115. PATENTED MAR. 27, 1906.

J. McGUIGAN & A. PRIDDLE.

VAULT LIGHT.

APPLICATION FILED SEPT. 21, 1905.

FIG. 1.

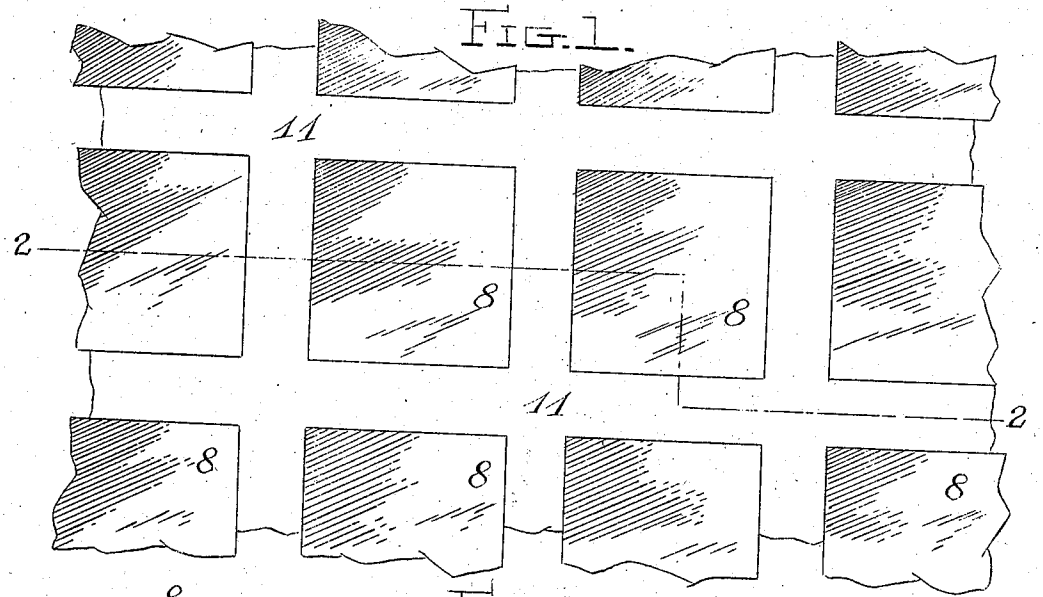


FIG. 2

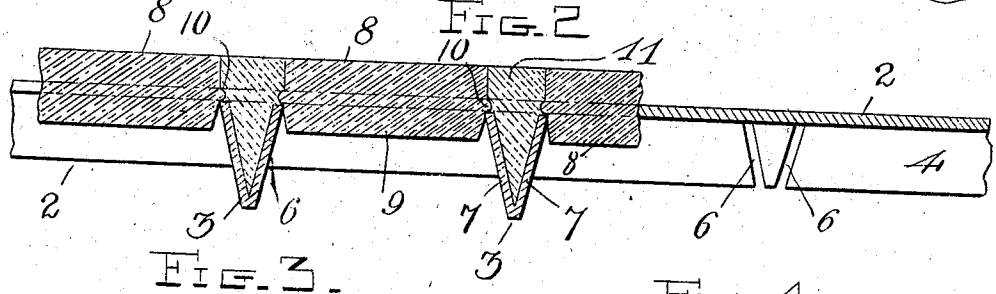


FIG. 3.

FIG. 4.

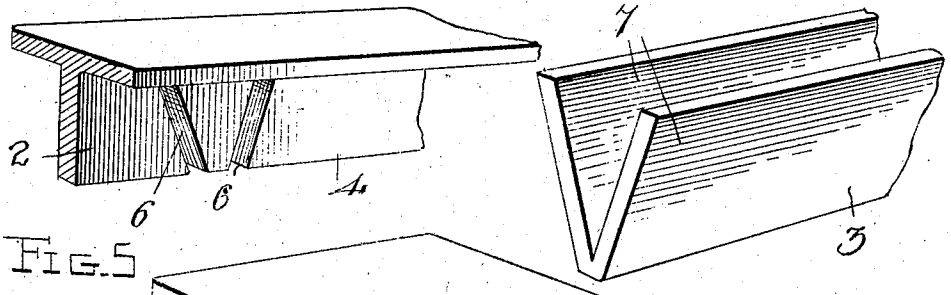
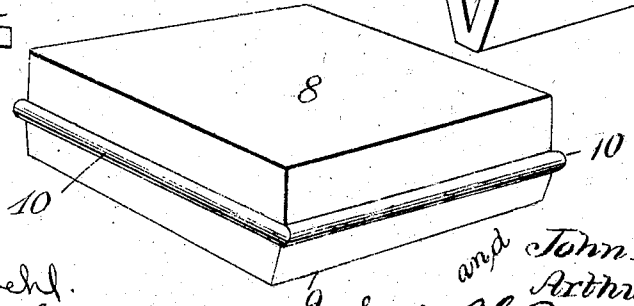


FIG. 5



Witnesses
Jas. A. Koehl.
C. H. Griesbauer

Inventors
and John McGuigan
Arthur Priddle.
by H. B. Wilson
Attorney

UNITED STATES PATENT OFFICE.

JOHN McGUIGAN AND ARTHUR PRIDDLE, OF SAN FRANCISCO, CALIFORNIA.

VAULT-LIGHT.

No. 816,115. Specification of Letters Patent. Patented March 27, 1906.

Application filed September 21, 1905. Serial No. 279,523.

To all whom it may concern:

Be it known that we, JOHN McGUIGAN and ARTHUR PRIDDLE, citizens of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Vault-Lights; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in vault-light constructions for use on skylights, sidewalks, vaults, and similar places.

The object of the invention is to provide a simple and durable construction of this character which may be produced at comparatively small cost and which is well adapted to the purpose for which it is intended.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a plan view of a portion of a vault-light construction embodying our improvements. Fig. 2 is a longitudinal sectional view through the same. Fig. 3 is a perspective view of a portion of one of the longitudinal bars. Fig. 4 is a similar view of a portion of one of the transverse bars, and Fig. 5 is a perspective view of one of the glasses.

In carrying out our invention we provide two intersecting series of metallic bars which have interlocking connections with each other and which are adapted to support the glasses. In the embodiment of the invention illustrated in the drawings these two series of bars are denoted by the numerals 2 and 3 and are respectively composed of metallic T-shaped bars and V-shaped bars; but it will be understood that they may be of any other form and construction. As shown, the V-shaped bars 3, which preferably extend transversely, support the T-shaped bars 2, which intersect the former at right angles. In this instance the interlocking connection between the two sets of bars is effected by forming the depending portion or the leg 4 of the T-shaped bars 2 with diverging or angularly-disposed slots or notches 6, which are adapted to receive the diverging portions 7 of the V-shaped bars 3. The bars 3 instead of being V-shaped, as shown, may be of any other form or shape, having portions adapted to enter recesses or slots in the bars 2, which latter may also be of any desired form or shape, or said bars 3 may be formed with slots, notches, or recesses to receive the bars 2.

The glasses 8 (shown in Fig. 5) may be of any desired form or shape and may be supported between the intersecting bars 2 3 in any desired manner. As shown, the glasses are of rectangular form and have tapered lower portions 9, adapted to fit between the bars, and surrounding heads or ribs 10, adapted to engage the upper edges of the bars 3, as clearly shown in Fig. 2 of the drawings. The space between the glasses and the diverging portions 7 of the bars 3 is filled with cement or the like 11, (shown in Fig. 2,) which retains said glasses securely in position.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

While we have shown and described the preferred embodiment of our invention, we do not wish to be limited to the precise construction herein set forth, since various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A structure of the class described comprising bars having angularly-disposed notches extending therethrough and converging toward one side thereof, intersecting bars having correspondingly-disposed sides extending through the notches of the first-mentioned bars, glasses mounted on said bars in the openings formed between them, and a binding material around said glasses and on said bars.

2. A vault-light construction comprising a series of T-bars having angularly-disposed notches in their depending flanges, a series of intersecting V-bars engaged with the notches in said T-bars, glasses mounted upon said

bars and a binding material molded around said glasses and said bars, substantially as described.

3. A vault-light construction comprising a series of T-bars disposed parallel and having their depending flanges formed with angularly-disposed alining notches, a series of V-bars having their upwardly-diverging sides engaged with said alining notches, glasses having tapered lower portions to engage said V-bars and beads or ledges to engage said T-bars and a binding material molded around said glasses and said bars, substantially as described.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

JOHN McGUIGAN.
ARTHUR PRIDDLE.

Witnesses:
FRANK HENRY,
A. K. DAGGETT.