

(No Model.)

H. F. BELCHER.
MOUNTING PRISM LIGHTS.

No. 586,228.

Patented July 13, 1897.

Fig. 1.

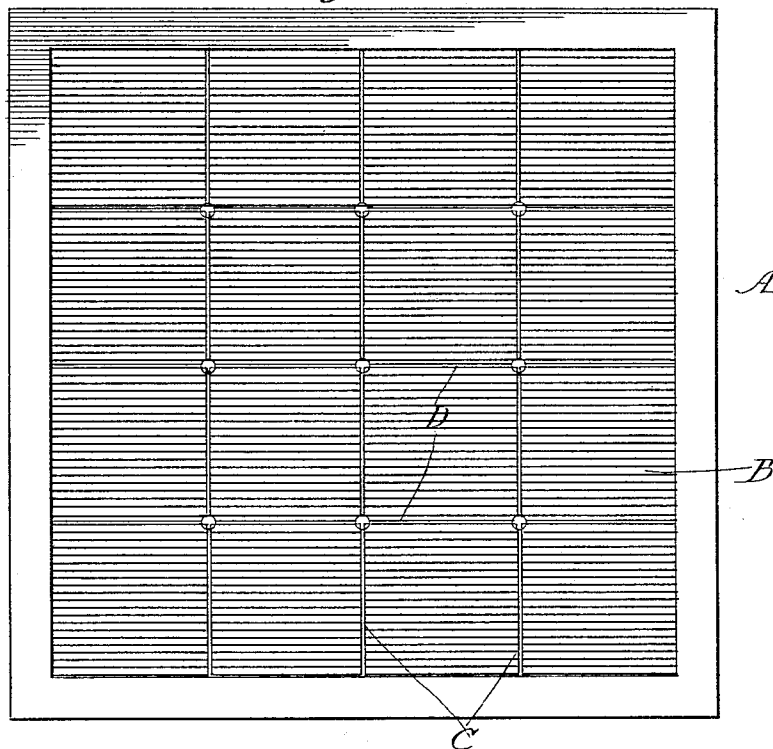


Fig. 2.

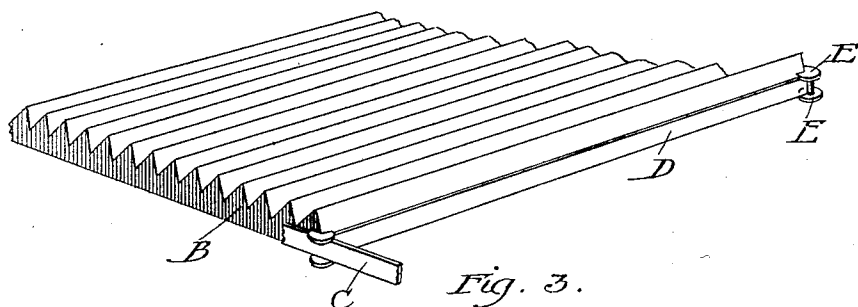
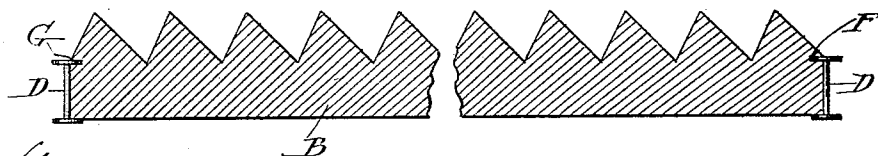


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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MOUNTING PRISM-LIGHTS.

SPECIFICATION forming part of Letters Patent No. 586,228, dated July 13, 1897.

Application filed April 19, 1897. Serial No. 632,704. (No model.)

To all whom it may concern:

Be it known that I, HENRY F. BELCHER, a citizen of the United States, residing at New York, in the county of New York, State of New York, have invented certain new and useful Improvements in Mounting Prism-Lights, of which the following is a specification.

My invention relates to mounting prism-lights to form complete prism-plates, and has for its object to provide convenient means for this purpose, so as to avoid margins on the prism-plates.

My invention is illustrated in the accompanying drawings, wherein—

Figure 1 is an elevation of a prism-plate. Fig. 2 is a perspective view of a single prism-light. Fig. 3 is a cross-section.

Like parts are indicated by the same letter in all the figures.

A is the frame or sash; B B, the prism-lights, having prisms.

C C are the warps which preferably run from side to side of the frame or sash.

D D are the ties which preferably are equal in length only to the width of the prism-light.

E E are the disk-like keys which project from the ends of the ties, so as when the warps are placed therein, as indicated by a small section in Fig. 2, the parts are held together at the corners. The prisms at the corners are undercut, as indicated at F and G, to make room for these keys to be let into the

glass. The parts when thus assembled may be electroglazed together, and by this means an almost perfect distribution of the prisms across the surface of the plate is made. The parts of the grid may be built in together, beginning at one end and slipping the parts together, the disk-like keys fitting into their respective slots as the work is assembled. The whole may then be electroglazed.

I claim—

1. A prism-plate comprising a series of prism-lights, a grid or frame comprising bars which pass in opposite directions between the prism-lights, and disk-like keys, said prisms slotted at their bases and at the corners of the prism-lights to receive such keys, and thus hold all the parts securely in position.

2. A prism-plate comprising a series of prism-lights, a grid or frame comprising bars which pass in opposite directions between the prism-lights, and disk-like keys, said prisms slotted at their bases and at the corners of the prism-lights to receive such keys and thus hold all the parts securely in position, and a mass of electrically-deposited metal in and about the metal portions of such grid to hold the parts securely together.

HENRY F. BELCHER.

Witnesses:

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