

No. 897,809.

PATENTED SEPT. 1, 1908.

S. ZACHARIAS.
GLASS TILE.

APPLICATION FILED APR. 24, 1908.

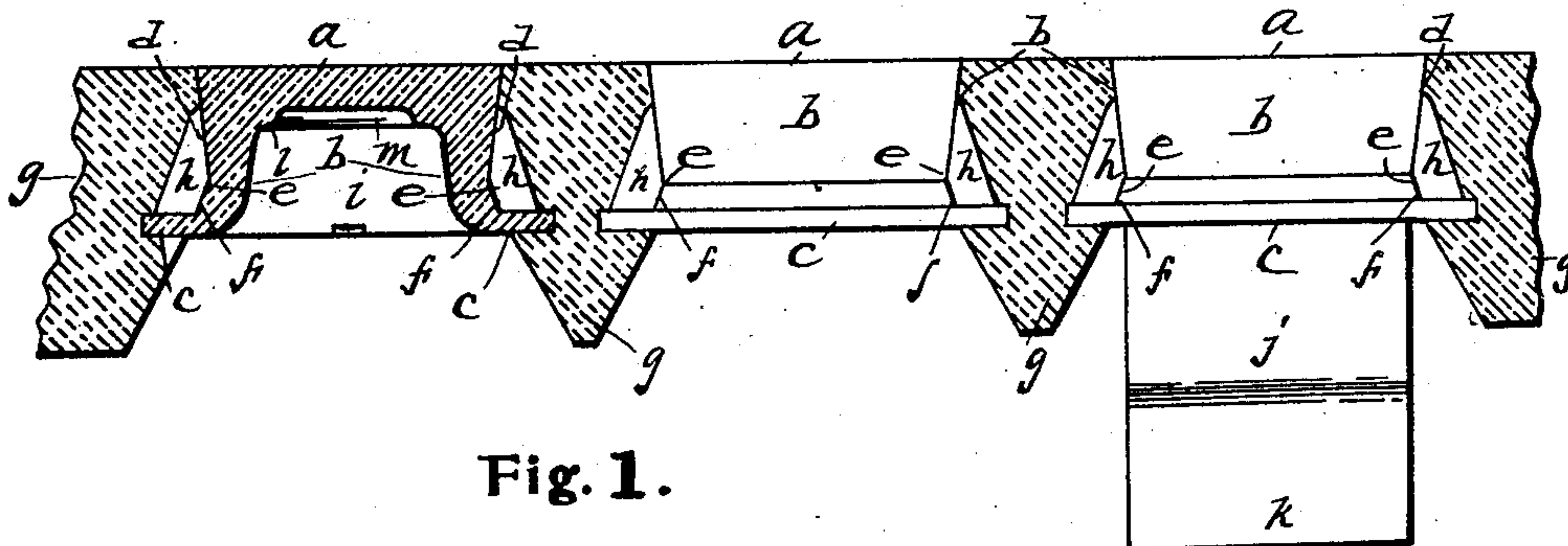


Fig. 1.

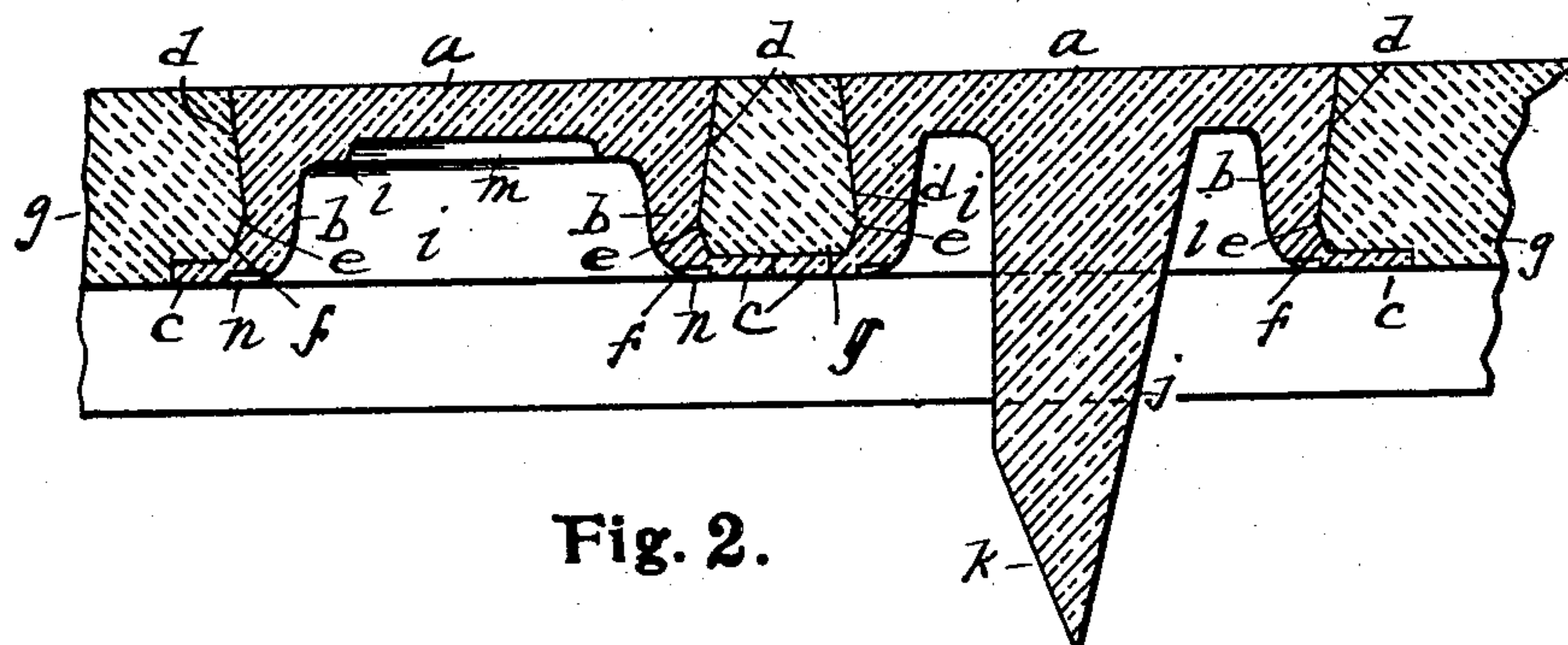


Fig. 2.

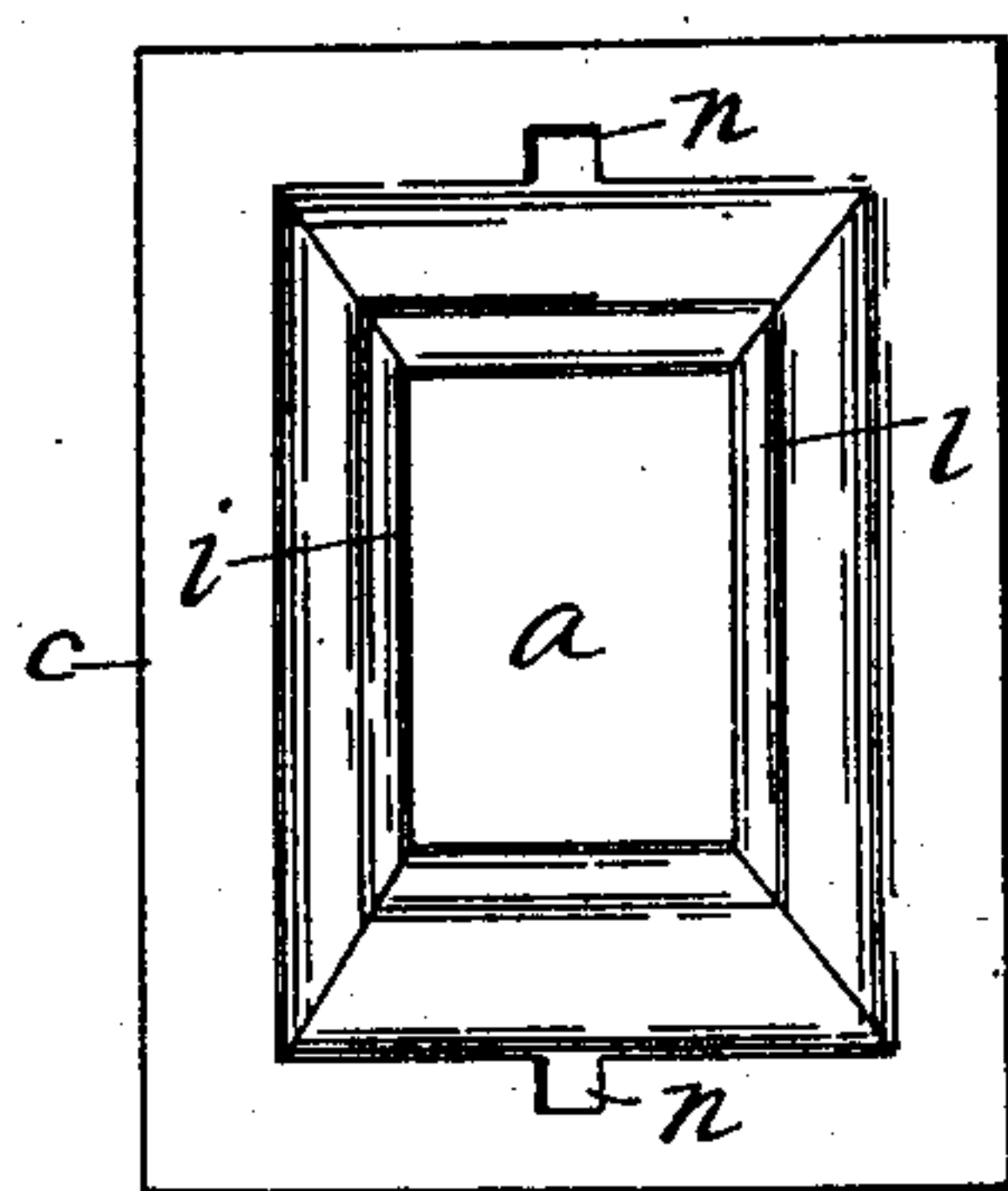


Fig. 3.

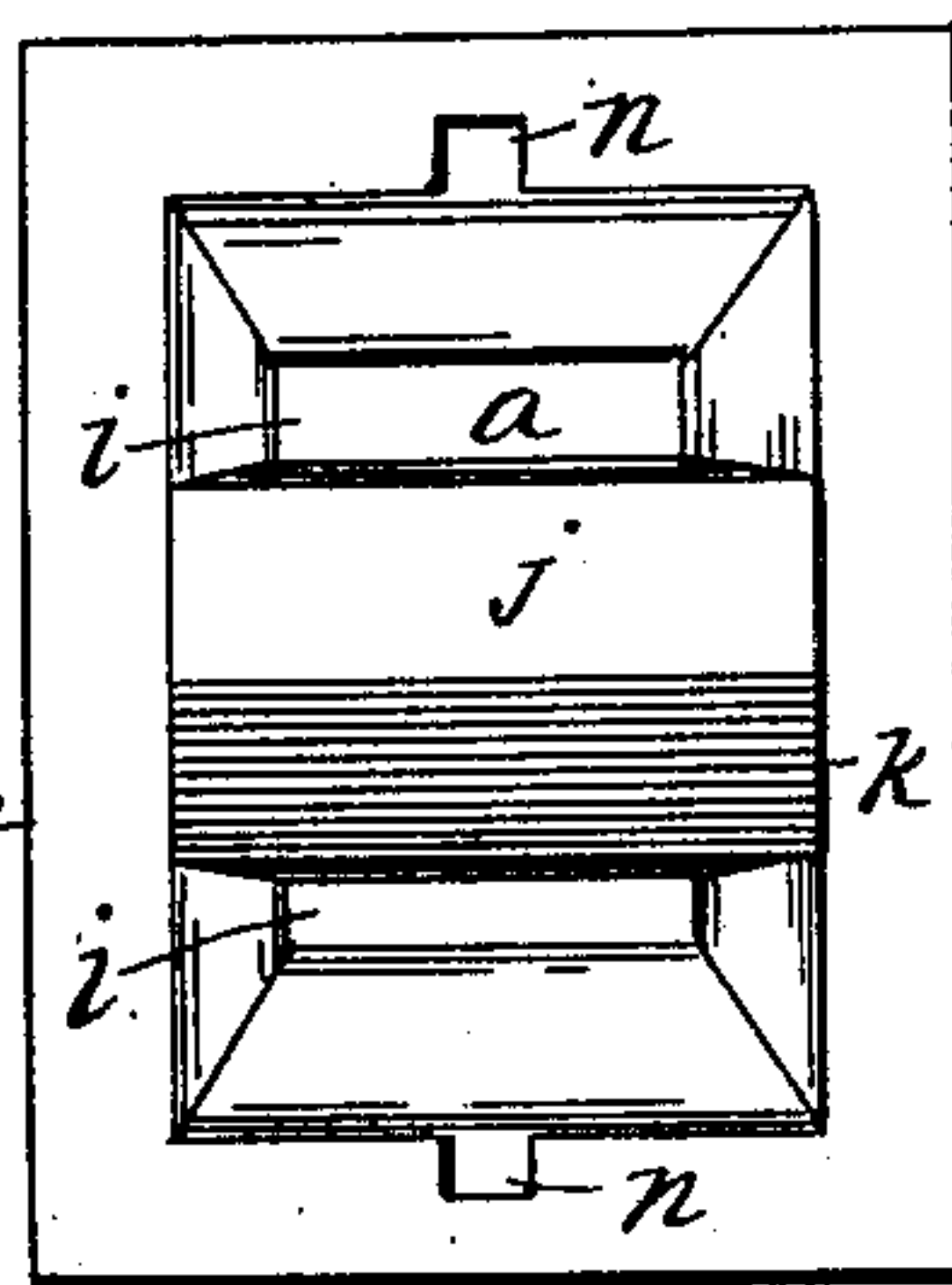


Fig. 4.

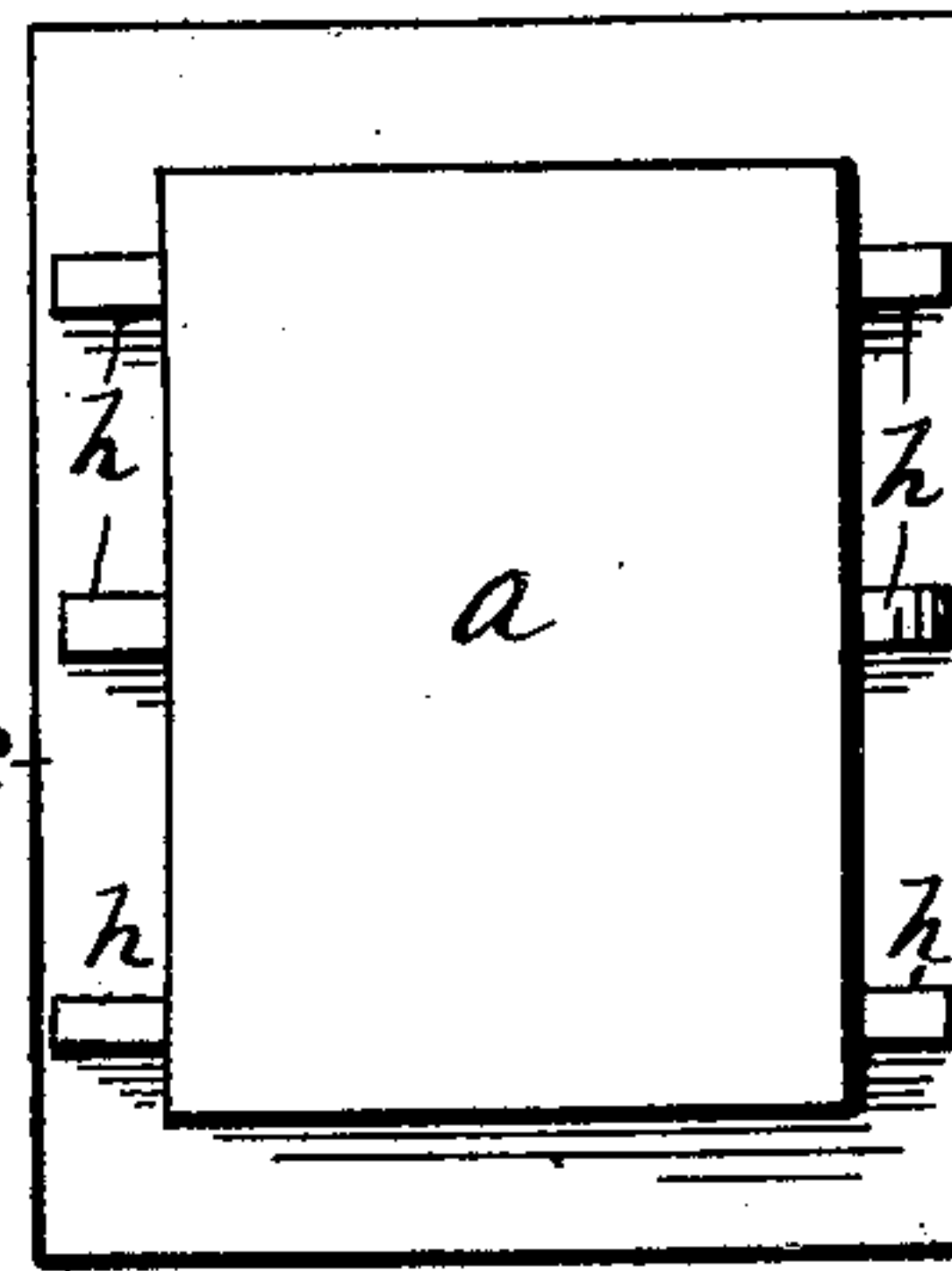


Fig. 5.

Witnesses

Q. B. Baenziger.
H. E. Mc Gram

Inventor

Stanislaus Zacharias
by *Newell S. Wright*

Attorney

UNITED STATES PATENT OFFICE.

STANISLAUS ZACHARIAS, OF DETROIT, MICHIGAN.

GLASS TILE.

No. 897,809.

Specification of Letters Patent.

Patented Sept. 1, 1908.

Application filed April 24, 1908. Serial No. 428,924.

To all whom it may concern:

Be it known that I, STANISLAUS ZACHARIAS, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Glass Tiles, of which the following is a specification.

My invention has for its object certain new and useful improvements in glass tiles for vaults, sidewalks, skylights, and the like, and it consists of the construction hereinafter specified and claimed and illustrated in the accompanying drawings, in which

Figure 1 is a view in vertical section showing parts in side elevation. Fig. 2 is a view in vertical section showing two modifications of the skylights in section, the section being at right angles to that shown in Fig. 1. Fig. 3 is an inverted plan view showing one modification. Fig. 4 is an inverted plan view showing another modification. Fig. 5 is a plan view.

The aim of my invention is to provide glass tiles of superior construction and utility.

I carry out my invention as follows: The upper portion of the tile is indicated at *a* the same being formed with depending side walls *b* terminating in outwardly projecting horizontal flanges *c*. The depending side walls are beveled or contracted on their exterior surfaces as shown at *d*, the side walls being narrowed to a point somewhat above the horizontal flange indicated at *e*, from which point the side walls are interiorly beveled or outwardly enlarged as indicated at *f*. The inwardly beveled portions of the depending side walls are shown in the drawings slightly exaggerated to make the structure more clear. It will be evident that this construction dovetails the depending side walls of the tiles into the cement indicated at *g* which is filled in between the tiles, in a customary manner. The outwardly beveled portions *f* also serve to effectually lock the tiles in the cement, the cement being filled in between adjacent lights, and upon the corresponding flanges *c* and preferably extending, also, therebelow, in the ordinary manner. In one direction as indicated in Fig. 1, the tiles may be located with the lower flanges of each in contact, at the ends thereof, while in the opposite direction the two adjacent side flanges may be slightly separated. The side walls of the tiles are also constructed with strengthening ribs *h*. The tiles so formed, it will be ob-

served, form chambers *i* within the side walls. In one of the forms indicated, this chamber may be divided by a downwardly extended prismatic arm indicated at *j*, the said arm, preferably, having converging walls on two opposite sides thereof, one side terminating in a beveled reflecting face indicated at *k*. Where the prismatic arm is dispensed with, I prefer to form a strengthening bead or shoulder *l* about the inside toward the top, the under surface of the top portion being additionally chambered within said surrounding bead as indicated at *m*, the additional chambering making the upper portion of the tile thinner thereover, while the head or shoulder *l* materially strengthens the structure.

On opposite sides of the flange *c* I prefer to provide recesses *n* to facilitate laying the tiles in proper alinement in the frame customarily employed in the construction of the concrete tile walk or similar structure. The inner surface of the glass tiles, preferably, diverge in opposite directions toward the base of the tile to give increased facility for the passage of the light through the tile, the inner diverging surfaces of the side walls thus acting as reflectors.

What I claim as my invention is:

1. A glass tile comprising a top portion having depending side walls forming within the tile a chamber, said chamber formed with a bead or shoulder about the inside and toward the top thereof, the tile being additionally chambered within said bead or shoulder.

2. A glass tile comprising a top portion having depending side walls terminating in an outwardly projecting flange and inwardly contracted on their exterior surfaces from the top toward the bottom thereof, said walls forming within the tile a chamber outwardly expanded toward the base of the chamber, said chamber formed with a bead or shoulder about the inside and toward the top thereof, the tile being additionally chambered within said bead or shoulder.

3. A glass tile comprising a top portion having depending side walls terminating in an outwardly projecting flange and inwardly contracted on their exterior surfaces from the top toward the bottom thereof, said walls forming within the tile a chamber outwardly expanded toward the base of the chamber, and a prismatic arm projecting downwardly from the top of said chamber.

4. A glass tile comprising a top portion
having depending side walls terminating in
an outwardly projecting flange and inwardly
contracted on their exterior surfaces from the
5 top toward the bottom thereof, said walls
forming within the tile a chamber outwardly
expanded toward the base of the chamber, a
prismatic arm projecting downwardly from
the top of said chamber, said arm contracted

on opposite sides thereof and provided with a 10
beveled reflecting surface.

In testimony whereof I have signed this
specification in presence of two witnesses.

STANISLAUS ZACHARIAS.

Witnesses:

N. S. WRIGHT,

G. E. McGRANN.