

No. 665,981.

Patented Jan. 15, 1901.

W. SIMON.

ROOF.

(Application filed Sept. 6, 1900.)

(No Model.)

Fig. 1.

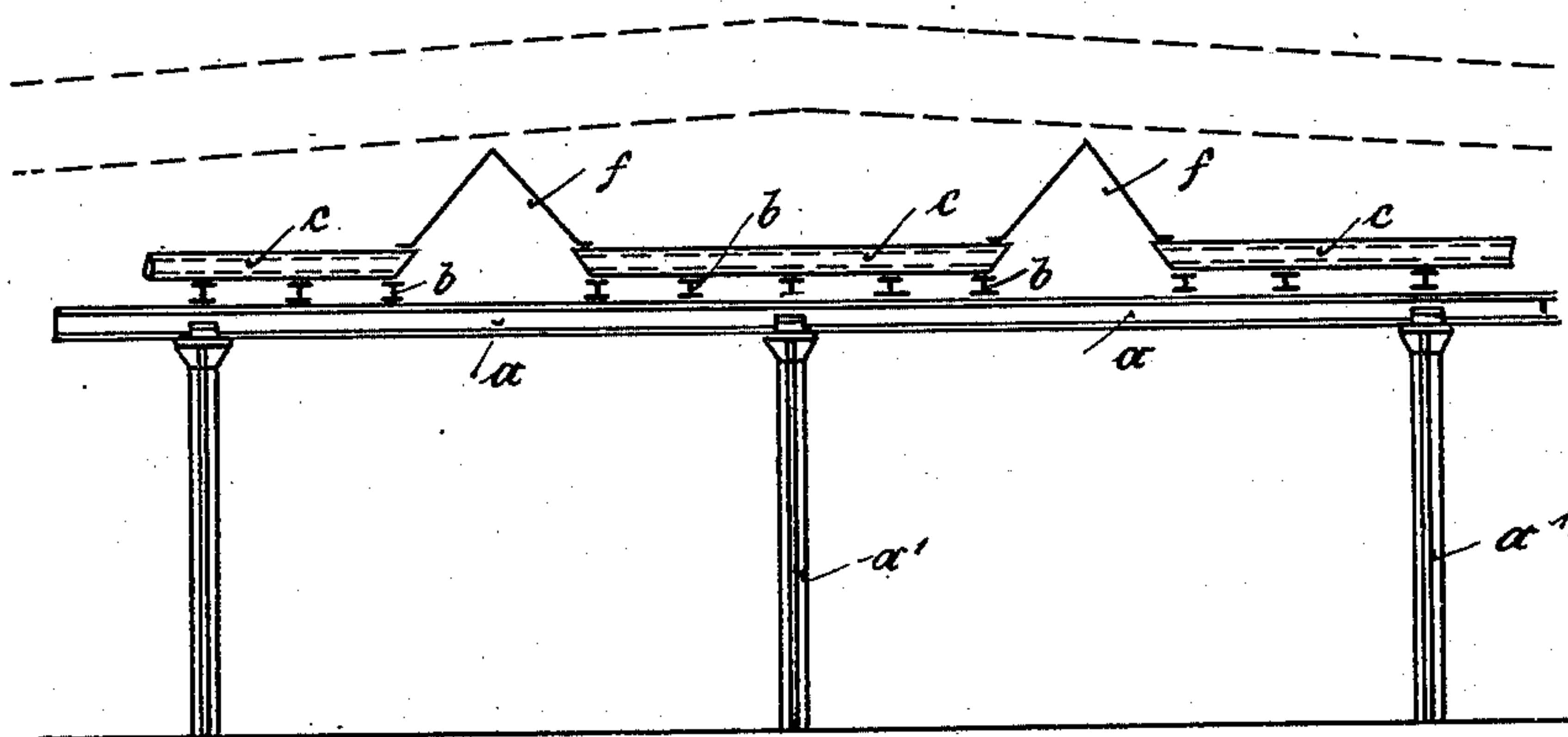


Fig. 2.

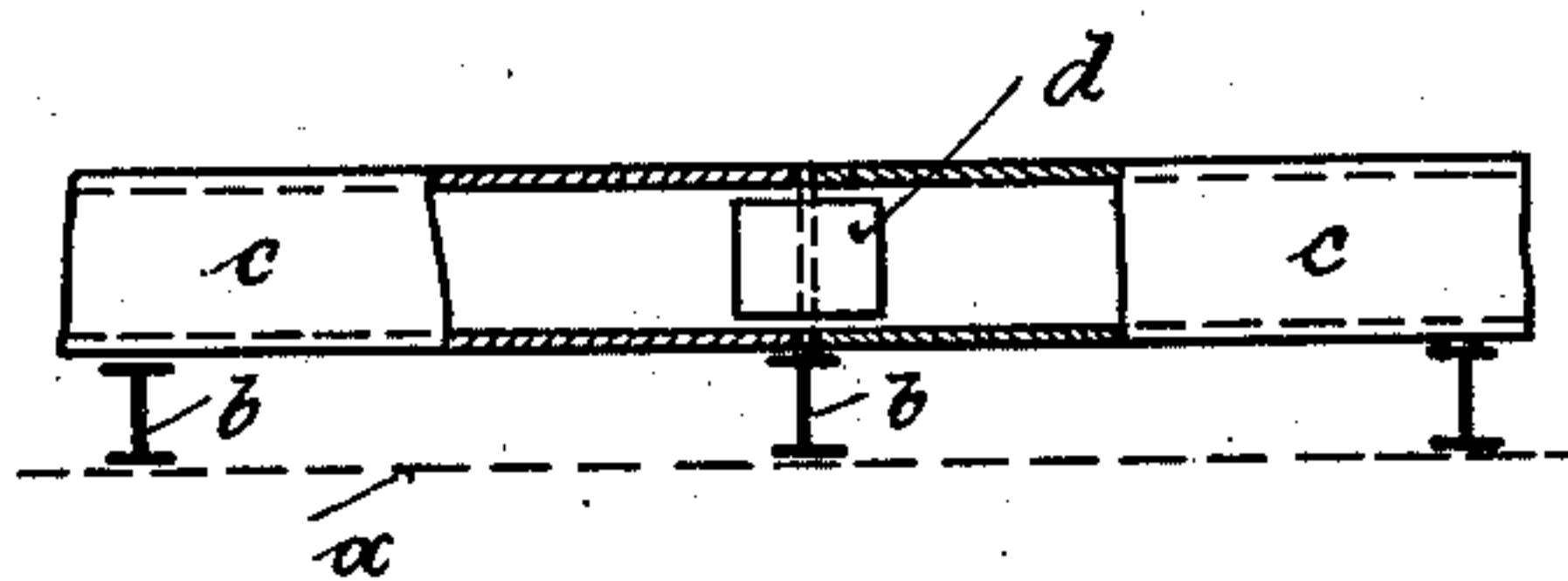


Fig. 3.

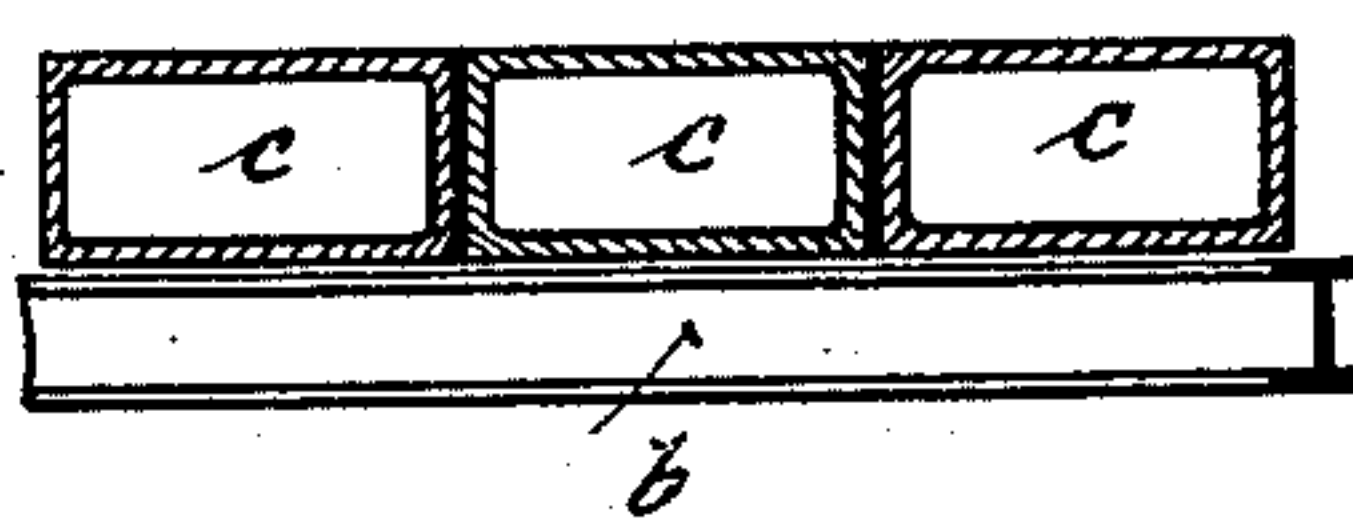
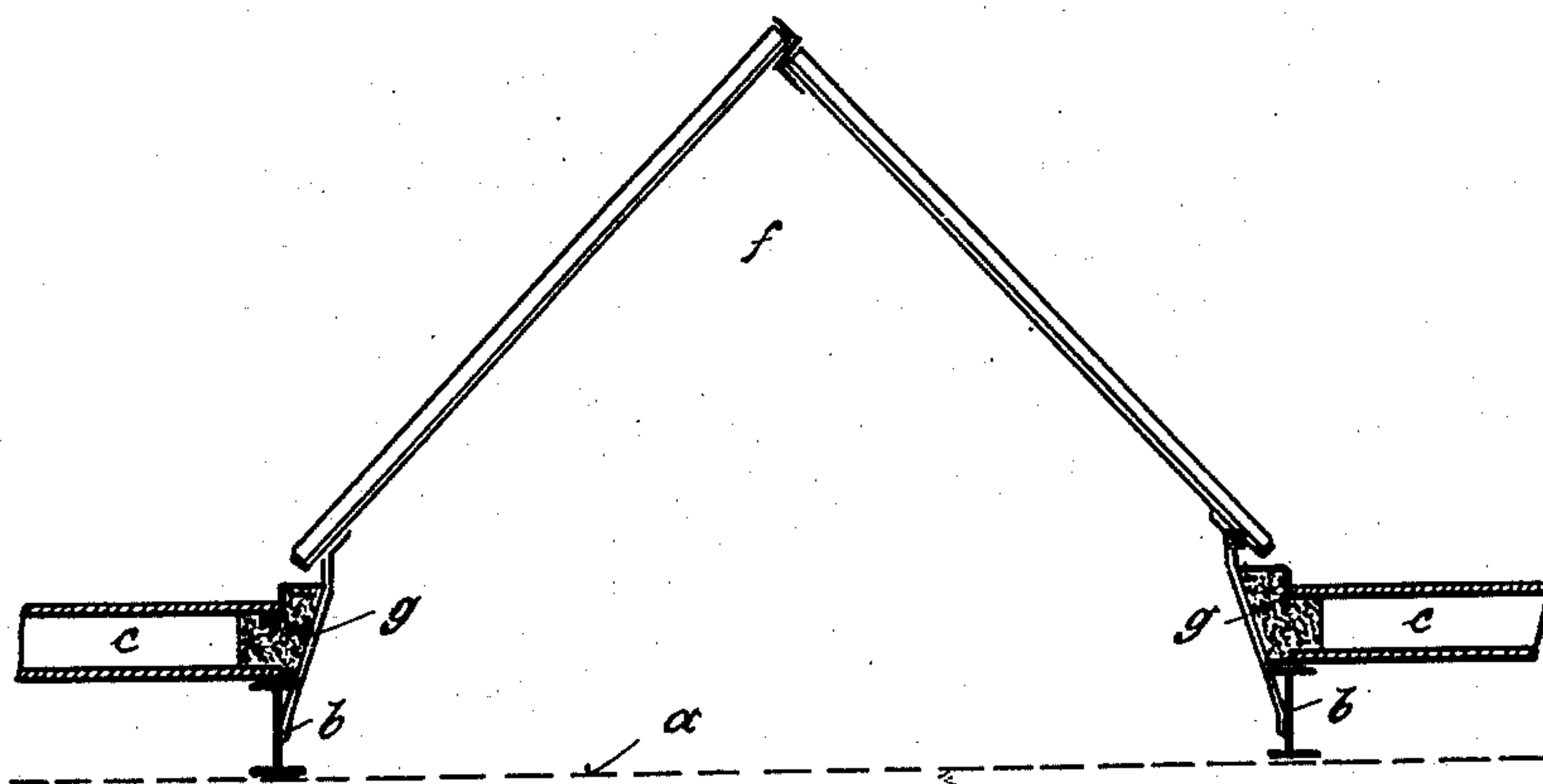


Fig. 4.



Witnesses:

Alex Hiele

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UNITED STATES PATENT OFFICE.

WILHELM SIMON, OF NUREMBERG, GERMANY.

ROOF.

SPECIFICATION forming part of Letters Patent No. 665,981, dated January 15, 1901.

Application filed September 6, 1900. Serial No. 29,135. (No model.)

To all whom it may concern:

Be it known that I, WILHELM SIMON, machine manufacturer, a subject of the King of Bavaria, residing at Nuremberg, Bavaria, Germany, (whose post-office address is No. 320 Bleiweishof, Nuremberg, Bavaria,) have invented certain new and useful Improvements in Roofs; and I do hereby 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.

The object of the present invention is to construct an improved roof of great solidity, compactness, and simple construction, my improved roof making necessary only a little consumption of material, and being easily and quickly erected therefore its manufacture gives very low expense.

In the accompanying drawings, Figure 1 is a sectional view of my improved roof. Figs. 2 and 3 show the tiles thereof on an enlarged scale, and Fig. 4 represents a skylight of my invention.

a indicates a trestle supported by pillars *a'* and bearing the summers *b*. The tiles consist of hollow bodies *c*, of cement, upon Monier's system, and are placed directly on the summers *b*, as seen from Figs. 2 and 3. The said

tiles are joined together by connecting-links *d* and the joints filled up with cement, Fig. 3. It will be seen that no further connection exists between the tiles and the summers.

The air inclosed in the hollow tiles forms a good isolation against heat and coldness, and thus prevents the ceiling from dampness.

Another great advantage of my improved roof is that the summers may stretch and warp, allowed by the free resting of the tiles on the summers and by the aforesaid connection of the tiles.

The skylights *f* are set on the summers *b* and connected thereto by footings *g* of beton.

What I claim, and desire to secure by Letters Patent, is—

In a roof the combination of trestles *a* supported by pillars *a'*, summers *b* arranged thereon at right angles, hollow tiles *c* laid upon the upper edges or surfaces of the aforesaid summers without any fixed connection therewith and joined together by connecting-links *d*, with the joints filled out with cement.

In testimony whereof I affix my signature in presence of two witnesses.

WILHELM SIMON.

Witnesses:

AXLE. WIELE,
MAX SCHNEIDER.