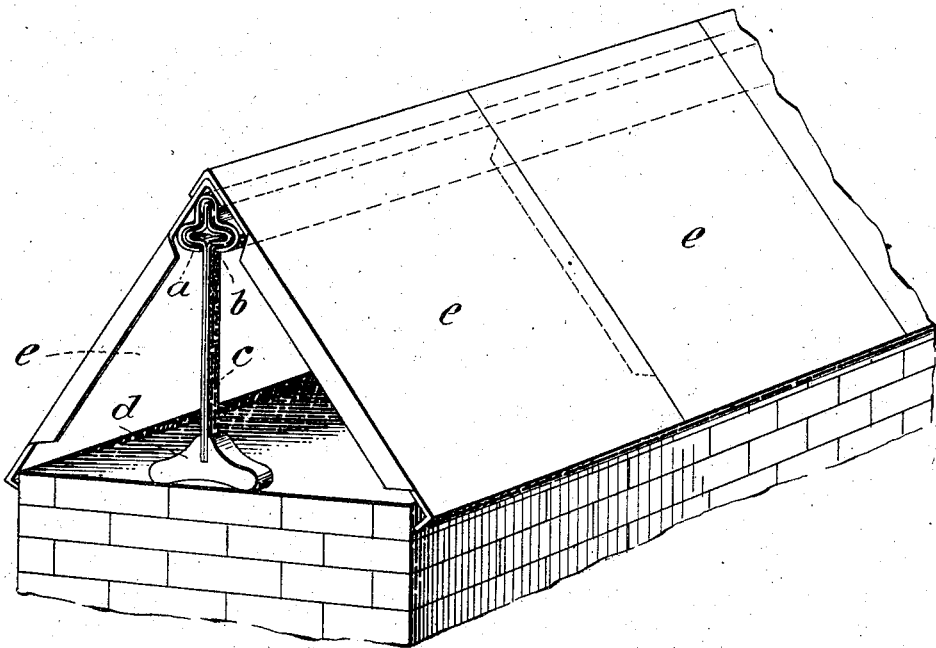


No. 834,935.

PATENTED NOV. 6, 1906.

F. A. RICHTER.
METAL ROOF FOR BUILDINGS.
APPLICATION FILED MAY 16, 1906.



WITNESSES:
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UNITED STATES PATENT OFFICE.

FRIEDRICH ADOLF RICHTER, OF RUDOLSTADT, GERMANY.

METAL ROOF FOR BUILDINGS.

No. 834,935.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed May 16, 1905. Serial No. 260,667.

To all whom it may concern:

Be it known that I, FRIEDRICH ADOLF RICHTER, a subject of the German Emperor, residing at Rudolstadt, Germany, have invented a new and useful Improvement in Metal Roofs for Buildings, of which the following is a specification.

My invention relates to metal roofs, particularly such as are used in connection with a toy building constructed of what are known in the art as "toy building-blocks."

My invention is illustrated in the accompanying drawing, which is a perspective view of one end of a gable-roof, showing the roof proper with its support assembled and in place on top of a structure of toy building-blocks.

The ridge-pole *a* is made of a strip of rolled metal bent into the form shown in the drawing, so as to inclose a space into which the head *b* of the king-post or support *c* may be introduced. The head *b* is so constructed as to have an outline substantially the same or similar to the outline of the ridge-pole *a*. The king-post or support *c* is provided with a foot or base *d*. The ridge-pole *a* as well as the head *b* of the king-post or support are preferably of trefoil cross-section, as shown in the drawing. The advantage of this particular shape is that the king-post or support cannot be turned in the ridge-pole and that it provides the apex necessary in the construction of a saddle-roof or a gable-roof. However, any construction of these parts may be adopted which fulfils the same purpose. The combination of the ridge-pole with two or more king-posts or supports forms the roof-support proper, to which the roof-covering is attached. This roof-covering consists of metal plates *e*, which are turned over at all four edges to form strips. By means of one of these strips each roof-plate is hung upon the ridge-pole in such a manner that the strips of two oppositely-located roof-plates overlie. In order to permit the hanging of the roof-plates upon the ridge-pole, the side strips are cut away near the edges, so that they do not reach up to the end strips.

A roof constructed in this manner may be easily and quickly assembled and possesses

the necessary firmness. The roof-supports proper, consisting of the ridge-pole with the inserted king-posts or supports, may be placed upon the building and removed from the same without having to be disassembled— an important feature in connection with toy buildings constructed of loose stones.

The sliding connection between the head of the king-post and the ridge-pole enables the roof-support to be quickly and easily adjusted, even when already assembled and in place in the building. The angle of the roof may be changed by varying the length of the king-posts or supports.

Of course my ridge-pole may be of such a size as to adapt it to be inserted into the heads of the king-posts or supports. This would not depart from the spirit of my invention.

What I claim as my invention is—

1. In a roof, the combination of a ridge-pole and king-posts or supports, the ridge-pole and the head of the support or king-post being substantially of trefoil cross-section, one being adapted to be inserted within the other.

2. In a roof, the combination of a king-post or support having a head of a cross-section other than circular, a ridge-pole the cross-section of which is uniform throughout its length and corresponds to that of the king-post head, to permit the ridge-pole to be slid lengthwise and at the same time prevent it from turning relatively to the king-post, and a covering consisting of plates having flanges at their four edges and adapted to be supported by said ridge-pole and king-post.

3. In a roof, the combination of a ridge-pole and king-posts or supports, the ridge-pole and the head of the support or king-post being substantially of trefoil cross-section, the said head being adapted to be inserted within the ridge-pole.

In witness whereof I have hereunto signed my name in the presence of two witnesses.

FRIEDRICH ADOLF RICHTER.

Witnesses:

ADOLF RICHTER,
FRITZ MALLEISER.