A. OESTERHELD.

ROOF.

APPLICATION FILED APR. 14, 1908.

957,623. Patented May 10, 1910.

Fig. 1.

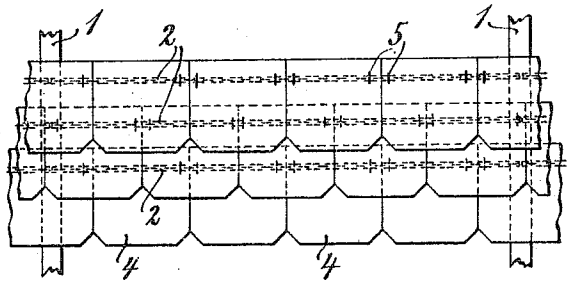



Fig. 2.

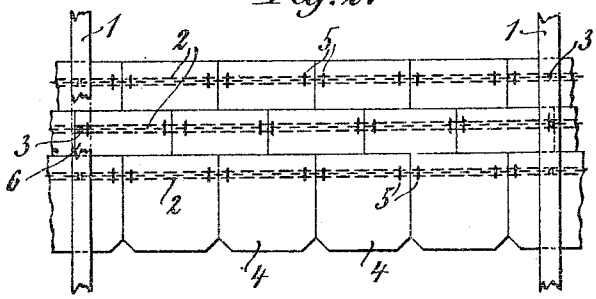



Fig. 3.

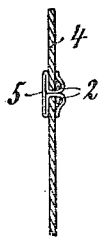
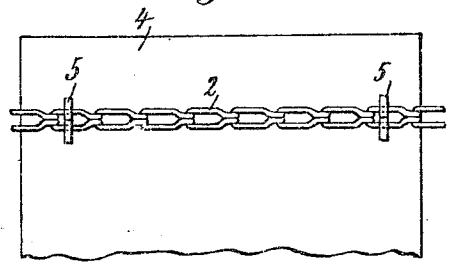



Fig. 4.




Witnesses:
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# UNITED STATES PATENT OFFICE.

ADOLF OESTERHELD, OF SEELZE, NEAR HANOVER, GERMANY.

## ROOF.

957,623. Specification of Letters Patent. Patented May 10, 1910.

Application filed April 14, 1908. Serial No. 426,937.

*To all whom it may concern:*

Be it known that I, ADOLF OESTERHELD, a subject of the Empire of Germany, residing in Seelze, near Hanover, Haus No. 81, Germany, have invented certain new and useful Improvements in Roofs, of which the following is a specification.

This invention relates to portable roofs or portions of roofs that can be readily attached or set up in position, and easily and quickly removed, rolled up into a small bundle and transported to another place to be again set up on a structure.

The object of the invention is to provide an improved roof of this character that can be readily set up in another place, without in any way injuring the roof yet which will provide an efficient covering for a structure and provide proper protection against the elements.

In the accompanying drawing representing an embodiment of my invention, Figure 1 is a plan view of a portion of a roof. Fig. 2 is an under side view of the same. Fig. 3 is a partial section; and Fig. 4 shows enlarged the connection of one tile with the supporting chain.

The device comprises essentially a number of chains that are adapted to be stretched horizontally across the roof and resting on the beams that extend up and down the roof. To these chains is secured a series of tiles having their edges contiguous to lie in the same plane. The chains are preferably secured to what is to be the under side or face of the tiles near the upper edge. They are preferably secured by two or more fasteners fastened through the tile and through one of the links of the chain. In the drawing is shown a series of chains 2, stretched across several beams or rafters 1, to which chains are attached rows of tiles 4, preferably by means of clamps 5 passing through apertures in the tiles with their ends bent on the lower side. By these clamps, the tiles are removably secured to the chains. When the chains are to be attached any suitable wire stretching device may be used, or a flat piece of iron could be used placed in one of the links and rested against the rafter acting as a lever. When stretched suitable pins 3 are placed in the rafters through one of the links to hold the chains in place. The device can be attached similar to the ordinary method of building up a shingle or tile roof. The lowermost row of chains or tiles are first secured, the chain being on the lower face of the tile will support the row in position. Thereupon the next row of tiles has its chains stretched across with the tiles overlapping partially the lower row and breaking joints therewith in the usual method of assembling tile structures. In this way, each succeeding row is attached as indicated in Fig. 1. This mode of attachment is very simple and very quick to carry out, it being only necessary to stretch the chain and tiles and secure the chain to the several rafters. This arrangement is of great advantage for temporary sheds, shanties, barracks or the like. The device can be taken down and packed in a very small space to be conveyed to another place where desired for use. This structure possesses many advantages over the method of using wires that will become kinked and bent and also broken and which are also difficult to secure in place.

Having thus described my invention, I claim:

1. In a roof, the combination with a plurality of rafters, of a series of chains stretched transversely across the rafters, a series of tiles resting on each of the said chains and overlapping in successive series and clamps passing through the tiles and links of the chain, and removably securing the tiles to the links.

2. In a roof, the combination with a plurality of rafters, of a series of chains stretched transversely across the rafters, and a series of tiles supported on the said chains and removably secured thereto.

3. In a roof, the combination with a plurality of rafters, of a series of chains stretched transversely across the rafters, a series of tiles supported on the chains, and means for removably securing the tiles to the chains.

In witness whereof I have hereunto signed my name this 31 day of March 1908 in the presence of two subscribing witnesses.

ADOLF OESTERHELD.

Witnesses:

ROBERT v. BÜLOW,

MARTA L. THOMPSON.