

No. 740,838.

PATENTED OCT. 6, 1903.

L. S. FLATAU.

CAR ROOF.

APPLICATION FILED MAY 19, 1903.

NO MODEL.

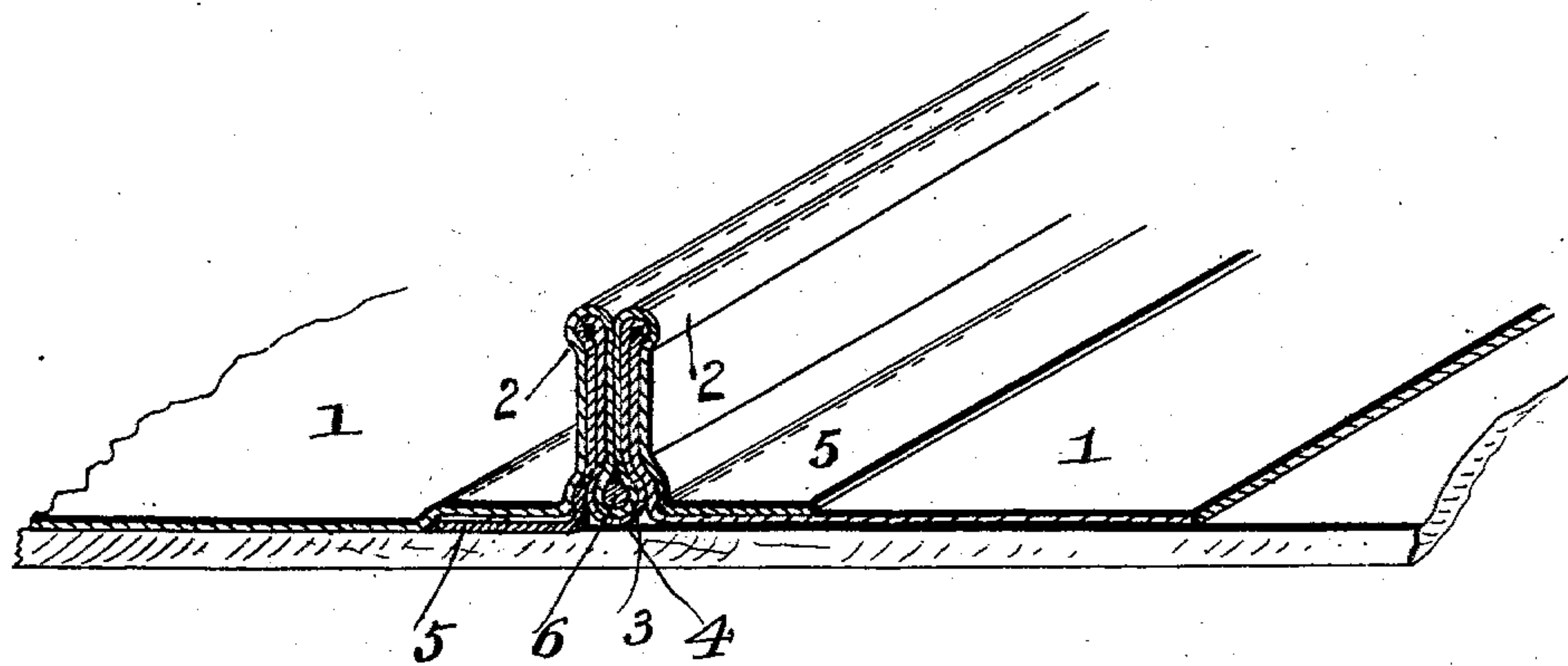
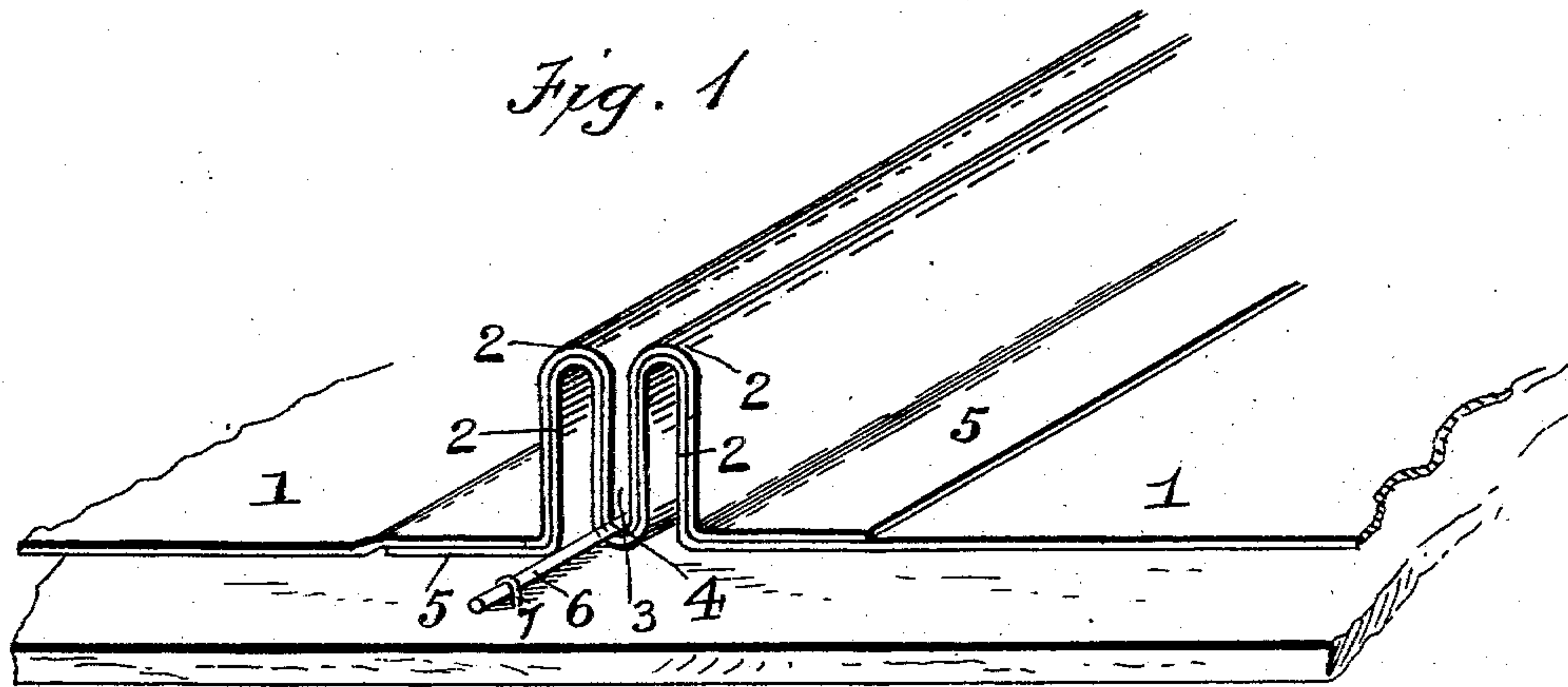


Fig. 2

Witnesses:

W. H. Curand

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UNITED STATES PATENT OFFICE.

LOUIS SPENCER FLATAU, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF
TO E. S. MARSHALL, OF ST. LOUIS, MISSOURI.

CAR-ROOF.

SPECIFICATION forming part of Letters Patent No. 740,838, dated October 6, 1903.

Application filed May 19, 1903. Serial No. 157,860. (No model.)

To all whom it may concern:

Be it known that I, LOUIS SPENCER FLATAU, a citizen of the United States, residing at St. Louis, State of Missouri, have invented new and useful Improvements in Car-Roofs, of which the following is a specification.

My invention relates to an improved metal roof designed especially for cars; and the object of the same is to construct a roof which shall be thoroughly water-tight and can be firmly secured in place by simple means.

The simple and novel construction employed by me in carrying out my invention is fully described and claimed, and illustrated in the accompanying drawings, forming a part hereof, in which—

Figure 1 is a perspective of a section of my roofing, showing one of the improved joints. Fig. 2 is a transverse section of the same with the ridges swaged.

Like numerals of reference designate like parts in the different views of the drawings.

In forming my roof metal plates 1 are taken and their edges crimped to form two parallel ridges 2, extending above the plane of the plate 1, there being a valley 3 between the ridges, the bottom or floor 4 of which lies in the plane of the sheet 1 produced. A flange 5 is formed on the side of the outer ridge and is on a level with the floor 4 of the valley. When the edges have been crimped in this manner, two plates 1 are taken and their corresponding edges united by nesting the ridges 2 and valleys 3, after which a rod 6, of stiff wire, is placed within the upper valley 3.

To hold the rod 6 in place the ridges 3 are swaged until they meet and completely inclose the rod 6. The ends of the rods 6 project beyond the edges of the roof, where they are secured by staples 7.

I do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a metal roof, two plates each having one of its edges crimped to form two ridges with an intervening valley, said plates being secured together by nesting said ridges and said valleys, and a rod seated in the uppermost valley, said ridges being swaged until they meet and inclose said rod, substantially as described.

2. In a metal roof, the combination of two plates each crimped to form two ridges with an intervening valley, said ridges and said valleys being nested and said ridges being swaged until they meet thereby securing said plate together, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LOUIS SPENCER FLATAU.

Witnesses:

JAS. M. STEERE,
E. M. BYRNE.