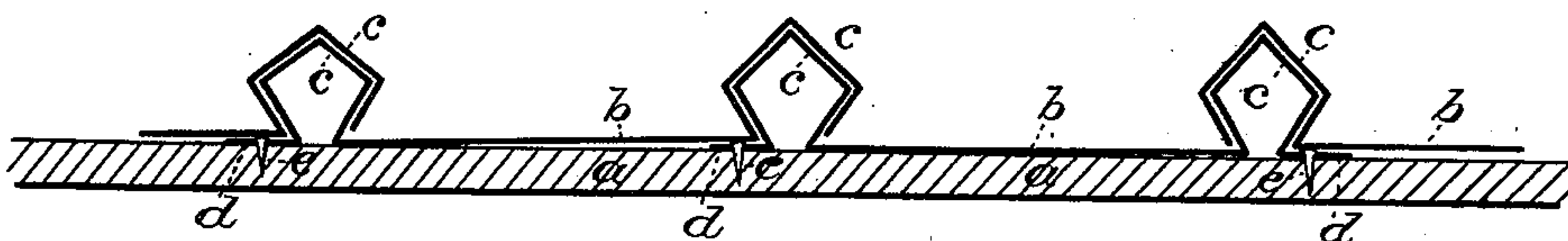


*I. Roys,*  
*Metallic Roofing.*  
*No. 95,732.      Patented Oct. 12. 1869.*

*Fig. 1.*



*Witnesses:*  
*Elijah C. Eaton*  
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*I. Roys*

# United States Patent Office.

FRANKLYN ROYS, OF EAST BERLIN, CONNECTICUT.

Letters Patent No. 95,732, dated October 12, 1869.

## IMPROVED METALLIC ROOFING.

The Schedule referred to in these Letters Patent and making part of the same

### To all whom it may concern:

Be it known that I, FRANKLYN ROYS, of East Berlin, county of Hartford, and State of Connecticut, have invented a certain new and useful Improvement in Metallic Roofing; and to enable others skilled in the art to make and use the same, I will proceed to describe its construction, referring to the drawings, in which the same letters indicate like parts.

The nature of this invention consists in so forming the edge of the sheet that one sheet at a time may be laid, and the edge thereof, outside of the joint, may be securely nailed. Then the joint of the next sheet is slid over the joint of the edge just nailed, whereby the second sheet is locked over the joint of the first, and the heads of the nails of the first sheet are covered by the second.

The end of the second tier or sheets, ascending the roof, overlaps the upper ends of the first sheets and joints sufficient to prevent driving storms reaching or extending over the upper ends of the first or underlaying sheets, and so on, successively, until the entire roof is covered.

In the accompanying drawings—

Figure 1 is an end view of two sheets of metal locked together after the manner of this invention.

*a* represents the timbering or boarding of a roof.

*b* are the sheets of metal.

*c* are the joint-formations.

*d* are the projecting edges or fastening edges, which project beyond the joint, for the purpose of securely nailing the edge of each sheet before the joint of the succeeding sheet is slid over the joint of the first.

*e* represents the nails passing through the projecting or fastening edge *d*, thus accomplishing a very important object, viz, to so fasten the sheets as to effectually cover and protect the nail-heads *e* from any exposure to the atmosphere; in other words, by means of the projecting edges *d*, of the metal sheet *b*, outside of the joint-formation *c*, one sheet is firmly nailed or secured to the boards or timbers of the roof, and thus each succeeding or alternate sheet, when slid over the joint-formation of the first, securely covers the nails by which it is secured, and so on, alternately or successively, until the whole is completed, and thus secure or lock the joints so as to effectually stand against the action of heat and cold, and form a perfect joint.

These joints *c* are bent or formed into shape by machines in common use.

The shape of the joint may be formed round, or in an angle shape, but it is believed that the latter will best accomplish the desired object.

I believe I have thus shown the nature and construction of this invention, so as to enable others skilled in the art to make and use the same therefrom.

I claim a roof of sheet-metal, one edge, or both, of the plates, which is nailed through the projecting edge *d*, outside of the bent-portion *c*, which forms the joint, and is connected to the adjacent sheet, as shown and described, to cover the nailed edge, substantially as set forth.

F. ROYS. [L. S.]

Witnesses:

ELIJAH EATON,  
JEREMY W. BLISS.