

H. G. NOBLE.
ROOFING.

No. 97,796.

Patented Dec. 14, 1869.

Fig. 1.

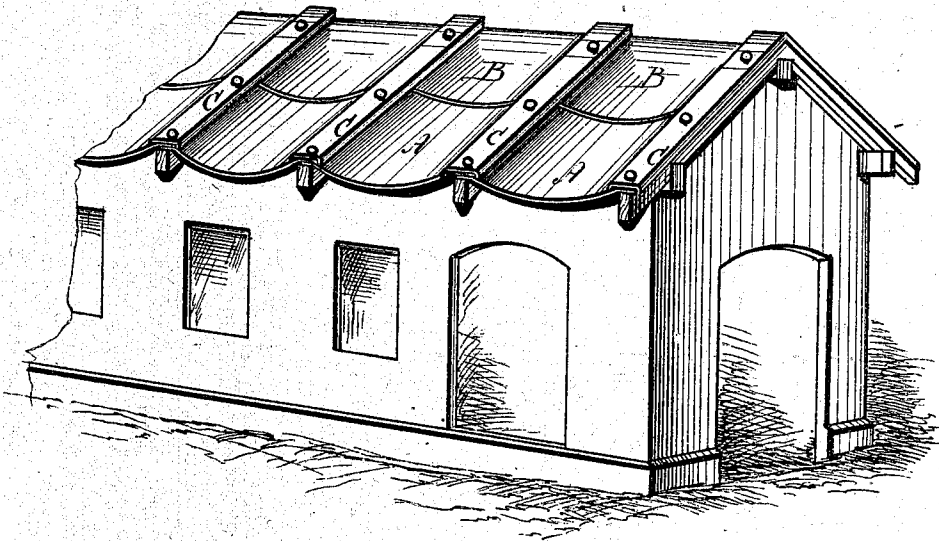
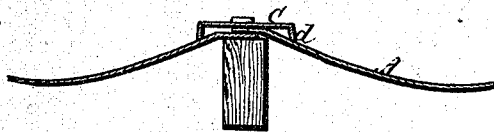


Fig. 2.



Witnesses:

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H. G. NOBLE, OF SELMA, ALABAMA.

Letters Patent No. 97,796, dated December, 14, 1869.

IMPROVED 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, H. G. NOBLE, of Selma, in the county of Dallas, and State of Alabama, have invented a new and improved Roofing; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in roofing, and consists in covering roofs with sheet-metal, laid on the rafters, and nailed thereon at the edges, so as to be considerably concaved between them, the joints on the rafters being covered by inverted caps or troughs.

The concave form of the sheets is designed to prevent the sheet-metal from cracking, to which it is subject, by expansion and contraction, when laid on flat.

Figure 1 represents a perspective view of a building provided with my improved arrangement of sheet-metal covering, and

Figure 2 represents a sectional detail.

Similar letters of reference indicate corresponding parts.

I take sheets, A, of iron, or other substance, enough wider than the distance from centre to centre of the rafters to admit of binding down in the concave form

between the rafters, and nail them on, as shown, beginning at the bottom, and lapping the upper sheets over the lower ones, in the usual way.

The sheets B, at the ridge, I bend over, the same on both sides, concaving the ends below the ridge in the same way, but at the ridge, owing to the ridge-pole, the sheets will represent a horizontal line.

Over the joints at the edges of the sheets on the rafters, I place the caps C, with the sides *d* fitting snugly down on the sheets A B, at a sufficient distance from the joints to prevent the rain from rising up to the joints, no matter how much it may be driven under the edges of the sides by the wind in storms.

The sheets may be made wide enough to stretch over two or more spaces, and be previously shaped as required.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The arrangement of the sheets A B, in the concave form, between the rafters, and of the caps or troughs C at the joints over the rafters, all substantially as specified.

H. G. NOBLE.

Witnesses:

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