

DUDLEY NEWTON'S

IMPROVED CURB ROOF

118261

PATENTED AUG 22 1871

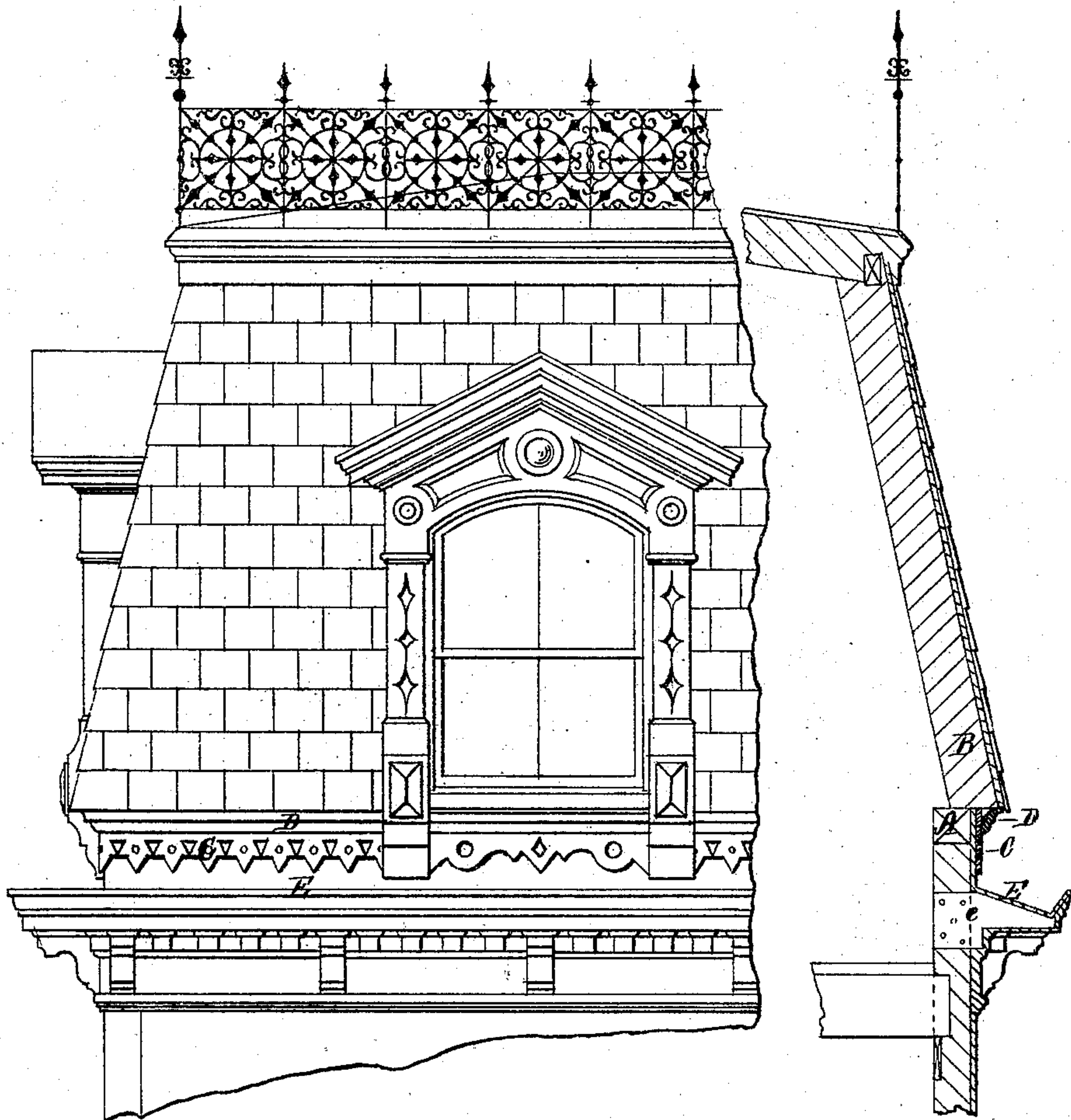


FIG. 1.

FIG. 2.

WITNESSES,

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# UNITED STATES PATENT OFFICE.

DUDLEY NEWTON, OF NEWPORT, RHODE ISLAND.

## IMPROVEMENT IN CURB-ROOFS.

Specification forming part of Letters Patent No. 118,261, dated August 22, 1871.

*To all whom it may concern:*

Be it known that I, DUDLEY NEWTON, of the city and county of Newport and State of Rhode Island, have invented a new and useful Improved Curb-Roof.

My invention relates particularly to that portion of the roof which unites with the walls at the eaves; and it consists in mounting the wall-rafters on the top of the plate, with their lower or base ends projecting over the front face of the plate, and in the arrangement of the adjacent parts, thereby admitting of the perfect breaking of the joint between the roof and wall, and securing a perfect delivery of dripping water direct to the gutter below, obviating any possibility of dampness in the wall adjacent to the eaves, and adding greatly to the beauty and neat appearance of the roof; and I do hereby declare that the following specification, taken in connection with the drawing furnished and forming a part of the same, is a true, clear, and exact description thereof.

Referring to the drawing, Figure 1 represents an elevation view of a part of one of my improved roofs. Fig. 2 represents a part of the same in vertical section.

A is the plate. B is the rafter, projecting at its lower abutting or base end beyond the front face of the plate, on the top of which the abutting ends of the wall-rafters rest. The sheathing-shingles or slates are applied to the rafters in the usual manner. C is the *fascia*, which may be plain or ornamental. D is the bed-mold with an inclined face extending from the projecting tip of the rafter to a point on the *fascia* below its top edge. When not desired to be ornamental a plain horizontal strip may be applied extending from the outer tip of the rafters to the *fascia*. E is the gutter. It is supported on brackets *e* projecting from the wall at a proper distance below the plate. It is lined with sheet metal, which extends, preferably, from the top of the plate, and the *fascia* between the two, across the bed of the gutter, thence upward, as shown.

The exterior of the gutter and cornice is finished in the usual manner. It will be observed, when viewed from the ground a short distance from

the house, that the *fascia* and the bed-mold above the gutter present to the eye a second or additional complete line of finish above and independent of the cornice proper.

It is obvious that water falling from the roof constructed as described must be delivered directly into the bed of the gutter without possible contact with either the bed-mold or *fascia*, and it is, therefore, obvious that my improvement completely obviates the objectionable dampness common in curb-roof houses adjacent to the eaves.

As heretofore constructed the wall-rafters have been mounted with their base ends abutting upon the top of the plate, with their outer edges flush with the front face of the plate, or slightly withdrawn therefrom, and hence great difficulty has been experienced in excluding water from the wall. As a result of my improvement the gutters may be placed so far below the edge of the roof that the sills and lower finish of dormer windows may be constructed clear of the gutters as shown in the drawing, and present the same aspect as regards front finish as that exhibited in the windows of the main story below, and, at the same time, have the inside sills at any desirable height from the floor.

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

1. The improvement in curb-roofs, which consists in projecting the base ends of the wall-rafters beyond the front face of the plate, and in combining therewith a *fascia* extending from the abutting end of the rafters downward, parallel with the front face of the plate, and an inclined bed-molding extending from near the outer edge of the abutting ends of the wall-rafters inward to the *fascia*, substantially as described, for the purposes specified.

2. The wall-rafters B, with their abutting base ends projecting beyond the front face of the plate, the plate, *fascia*, bed-mold, and gutter all combined, substantially as described, for the purposes specified.

DUDLEY NEWTON.

Witnesses:

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