

(No Model.)

C. A. NEUERT.
SNOW GUARD FOR ROOFS.

No. 272,148.

Patented Feb. 13, 1883.

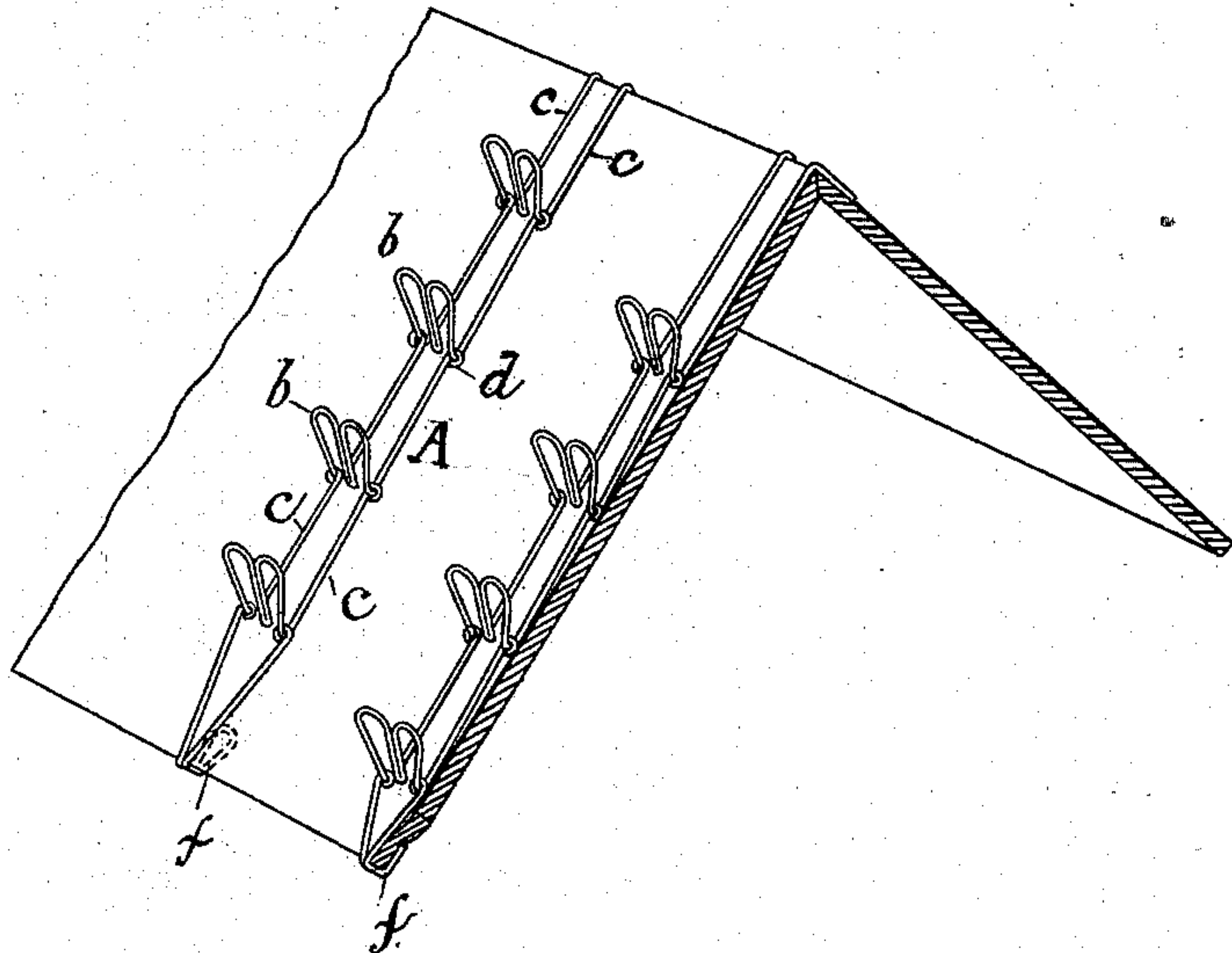


Fig. 1.

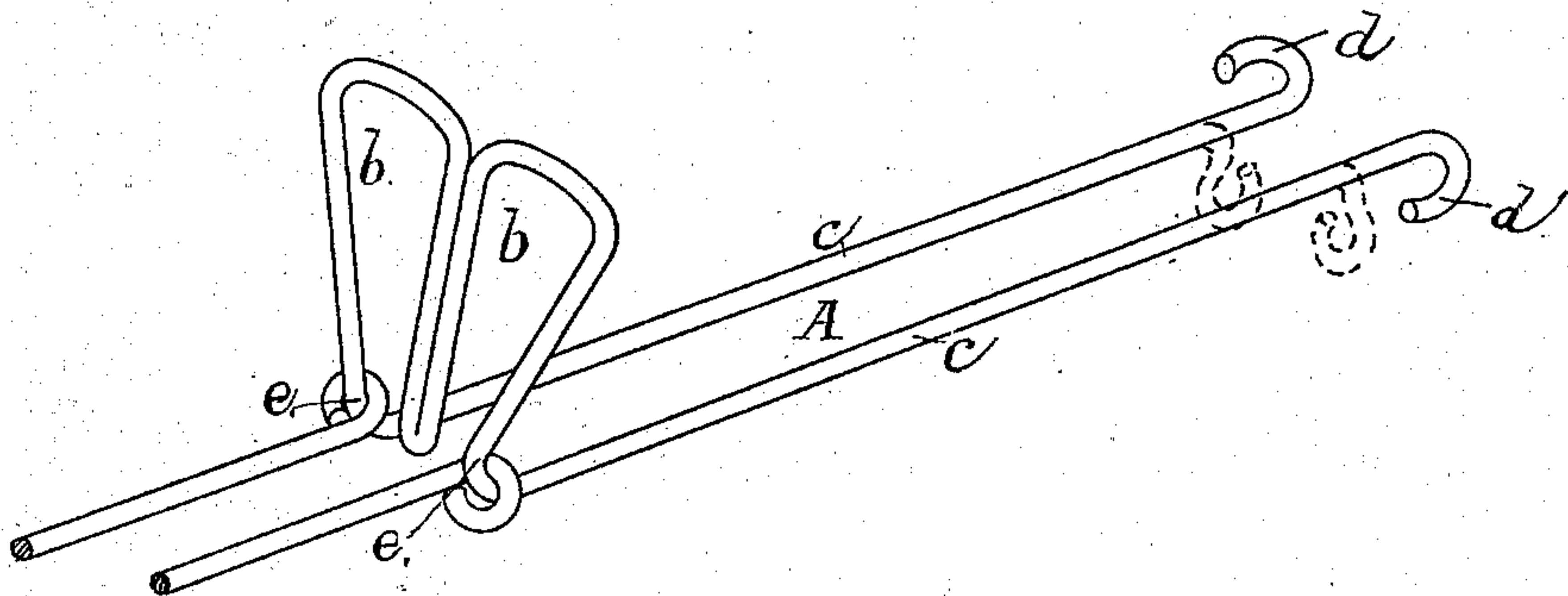


Fig. 2.

Wm. J. Porter
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WITNESSES

Charles August Neuert
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SNOW-GUARD FOR ROOFS.

SPECIFICATION forming part of Letters Patent No. 272,148, dated February 13, 1883.

Application filed November 24, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES AUGUST NEUERT, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Snow-Guards for Roofs of Houses and other Elevated Structures; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of my invention is to prevent snow falling from roofs and thus endangering the life and limb of persons passing, and at the same time so to construct the device as to render it unnecessary to damage the roof or fill it with nail or screw holes in order to attach the guards, thus preventing the possibility of rust around nail or screw holes, and the consequent falling out of the nails or screws and leakage of the roof, the device being readily applied to roofs of all kinds, including those of slate or tiles.

In the drawings, Figure 1 represents part of a roof with my improved guards applied to it, and Fig. 2 an enlarged view of a section of the guards.

I bend a piece of wire, A, so as to form a loop or loops, *b*, at the center of its length, turn such loop or loops at about a right angle to the remainder of the wire, bring this remainder into two parallel lines, as shown at *c*, and form the extremities into hooks *d d*, for the purposes of connecting them to the lower bends, *e e*, of the loops of another similarly-bent wire, as plainly shown. When so connected the hooks *d d* are closed tightly enough around the bends of the loops to prevent their

becoming detached. Each piece of wire thus becomes a link of a continuous chain formed of similarly-bent members of sections, and each link has its loop or loops standing upward, as shown, when the device is applied to a roof.

The lower end piece of wire has its doubled end bent downward and backward, as shown at *f*, so as to hook upon the edge of the roof, and the other end of this series of connected links may be secured to the ridge-pole or shingles or other material at the apex or highest part of the roof by similar hooks, where the character of the roof permits, or in any convenient manner; or, if need be, by nails or screws, in which case such nails or screws would be needed only at these points, and would be few in number, and could readily be covered by a strip of any suitable material.

It is preferable to have the loops or upright parts *b* of one set of links alternate with those of the other, as shown, the better to hold the snow. The loops may of course be made or bent to spread laterally as far as desired.

From the above it will be evident that it will be impossible for any large body of snow to slide from the roof, and, indeed, for any large body of it to become detached; that in any disposition of small masses to slide off there is liability of their becoming arrested by these uprights *b* and held back.

I claim—

The described snow-guard for roofs, consisting of a series of interlinked or connected wires, having upright portions *b*, substantially as described, and adapted to be applied to a roof, substantially as set forth.

CHARLES AUGUST NEUERT.

Witnesses:

EDWARD J. JONES,
EDWARD J. JENKINS.