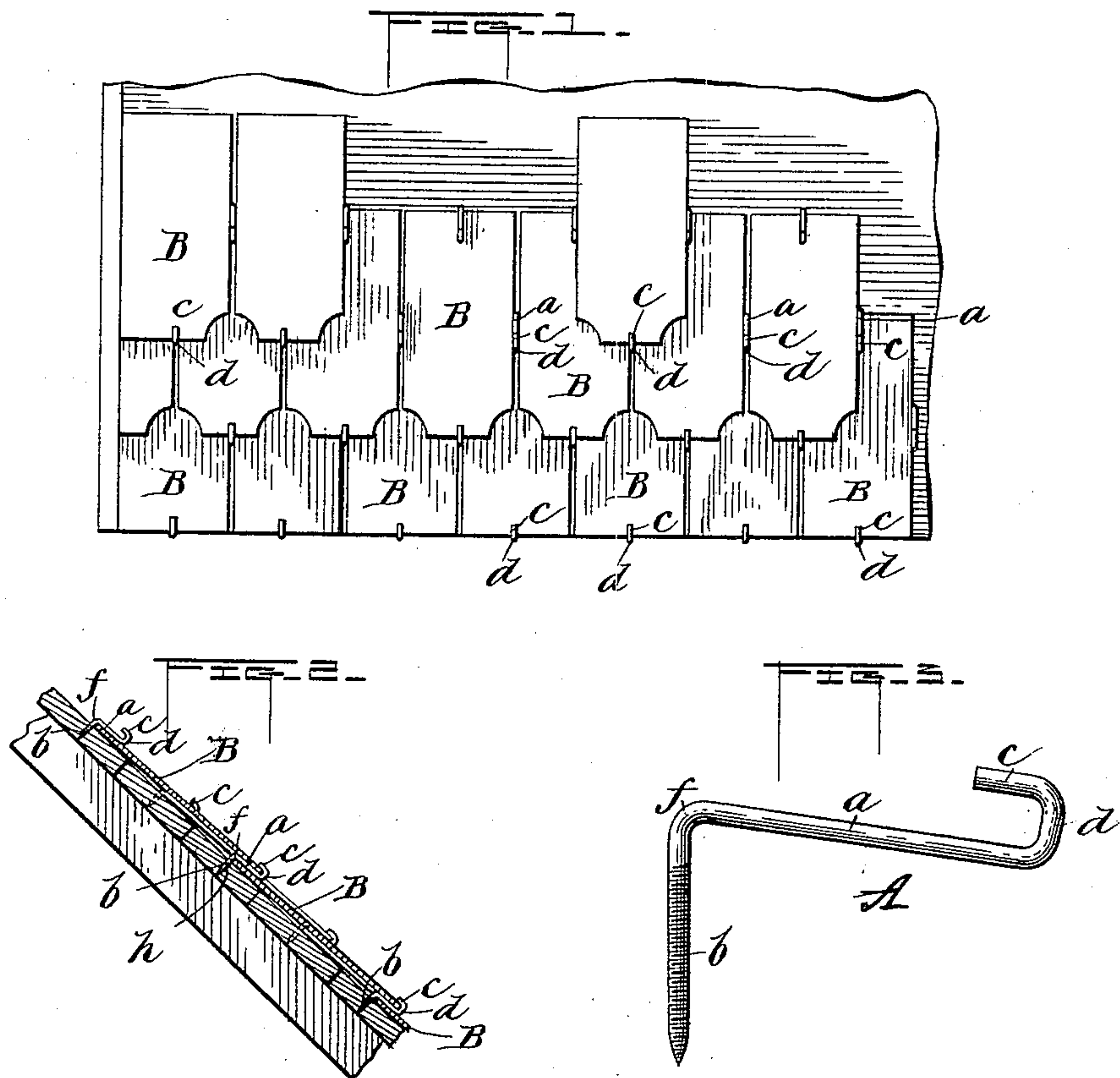


(No Model.)

R. B. L. WESTOVER.
ROOFING AND SIDING SCREW OR FASTENING.

No. 481,724.

Patented Aug. 30, 1892.



Witness:
Geverance
E. J. Fenwick

Witness:
Rollin B. Lee Westover
by his Attorneys
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UNITED STATES PATENT OFFICE.

ROLLIN B. LEE WESTOVER, OF RUTLAND, VERMONT.

ROOFING AND SIDING SCREW OR FASTENING.

SPECIFICATION forming part of Letters Patent No. 481,724, dated August 30, 1892.

Application filed July 7, 1891. Serial No. 398,701. (No model.)

To all whom it may concern:

Be it known that I, ROLLIN B. LEE WESTOVER, a citizen of the United States, residing at Rutland, in the county of Rutland and State of Vermont, have invented certain new and useful Improvements in Roofing and Siding Screws or Fastenings; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention consists in an improved siding and roofing fastening whereby tile, metal, slate, or other fancy and ornamental coverings for a roof or other analogous structure can be secured in position without requiring to be perforated and the labor of applying the covering greatly lessened, and the fastenings can be withdrawn very readily for repairs and the same fastenings again used, as will be hereinafter described and specifically claimed.

In the accompanying drawings, Figure 1 is a plan view illustrating my invention applied to a portion of a roof. Fig. 2 is a vertical section of the same in the line of the fastenings. Fig. 3 is a detail view of the fastening.

A in the drawings represents a rod of metal bent at nearly a right angle, so as to present limbs *a* and *b*, and also bent at one of its ends so as to form a limb *c*, lying parallel, or nearly so, with the limb *a*. The vertical limb *b* is pointed and screw-threaded. The parallel limb *c* is plain-surfaced and forms with the bend *d* and the limb *a* a loop. The form of fastening shown is very convenient for use, as its pointed screw-threaded limb can be screwed into the framing or other timbers of the roof by using the limb *a* and its looped portion *c d* as a handle by which to turn it home and also to withdraw it.

In using my fastening the eave ends of the covering-pieces *B* rest against the bent portion *d*, occupying a position under the limb *c* of the looped portion of the fastening, as illustrated in Fig. 1. In this use of the fastenings the limbs *a* lie under the covering-pieces and their penetrating-limbs *b* are entered into the framing or other pieces of the roofing, as illustrated at *h* in Fig. 2. The next row of covering-pieces *B* have their lower edges arranged to rest under the limbs *c* and against the bent portions *d* of the loops, as illustrated in the draw-

ings. In this use of the fastening they occupy positions in line with the parting-lines of the eave rows of covering-pieces. In laying the third row of covering-pieces the fastenings are applied in line with the parting-lines of the second row, and thus the operation is carried on throughout the roof, or as illustrated in Fig. 1 of the drawings. In all the rows of covering-pieces the joints are rendered watertight in the ordinary manner—namely, by lapping—and all portions of the fastenings lie underneath the covering-pieces, excepting the looped portion. By placing the fastenings in the parting-lines and having their looped portions receive the upper and lower end of the covering-pieces said covering-pieces are kept from moving either sidewise or downward or upward.

I adopt the screw-threaded limb *b* on the fastening, as it avoids the great loss of stock resulting from splitting, and securely holds the roofing material against the force of wind; also, because it can be taken out easily, it being only necessary to take hold of the limb *a* and turn it out, which can be done without injury to the material or screw, and, also, because it admits of the fastenings and covering material being used over and over again. In addition to this advantage arising from this screw-threaded limb the loop *c d* on the limb *a* adapts the fastening to various parts of the roof and to outside coverings of "Queen Anne" or other styles for gables, projections, bay-windows, &c., and especially at the chimneys, and it avoids great loss of stock.

The metal out of which the fastenings are made may be either iron, steel, silver, nickel, bronze, copper, gold finish, composition, or brass.

As the limbs *a* of the fastenings are made to lie with a slight inclination from a right angle with the limbs *b* and the fastenings made of spring metal, they will act with a binding force upon the covering-pieces when the fastenings are screwed or driven fully home and thus greatly aid in holding said pieces down.

What I claim as my invention is—

1. The fastening for the covering-pieces of a roof or other structure, consisting of a piece of metal bent or shaped to form a vertical screw-threaded and pointed penetrating-limb *b*, a clamping-limb *a*, having a downward in-

clination from the point of its junction with the vertical limb *b*, and an abutment and confining-loop *d*, having a short limb *c*, the said limb *a* lying at an inclination from a right
5 angle with the limb *b* and thus exerting a spring binding or clamping action upon the covering-pieces of the roof when the fastening is in use and the limb *c* lying substantially parallel with the limb *a* and conform-
10 ing to the inclination of the covering-piece of the roof which extends under it and abuts against the bowed portion of the loop, substantially as described.

2. The combination, with the supporting-
15 timbers and the covering-pieces of the roof, of the fastening consisting of a piece of springy metal bent or shaped to form a vertical screw-threaded pointed penetrating-limb *b*, a clamping-limb *a*, having a downward in-
20 clination from the point of its junction with the vertical limb *b*, and an abutment and con-

fining-loop *d*, having a short limb *c*, the said limb *a* lying at an inclination from a right angle with the said limb *b* and thus exerting a spring binding or clamping action upon a
25 covering-piece of the roof when the fastening is in use and the said limb *c* lying substantially parallel with the limb *a* and thus substantially conforming to the inclination of the covering-piece of the roof which extends un-
30 der it and abuts against the bowed portion of the loop *d*, said fastening being adapted for penetrating the timbers and being applied in the parting-lines between the covering-pieces, substantially as described.

35 In testimony whereof I hereunto affix my signature in presence of two witnesses.

ROLLIN B. LEE WESTOVER.

Witnesses:

WM. B. THRALL,
T. H. WHEELER.