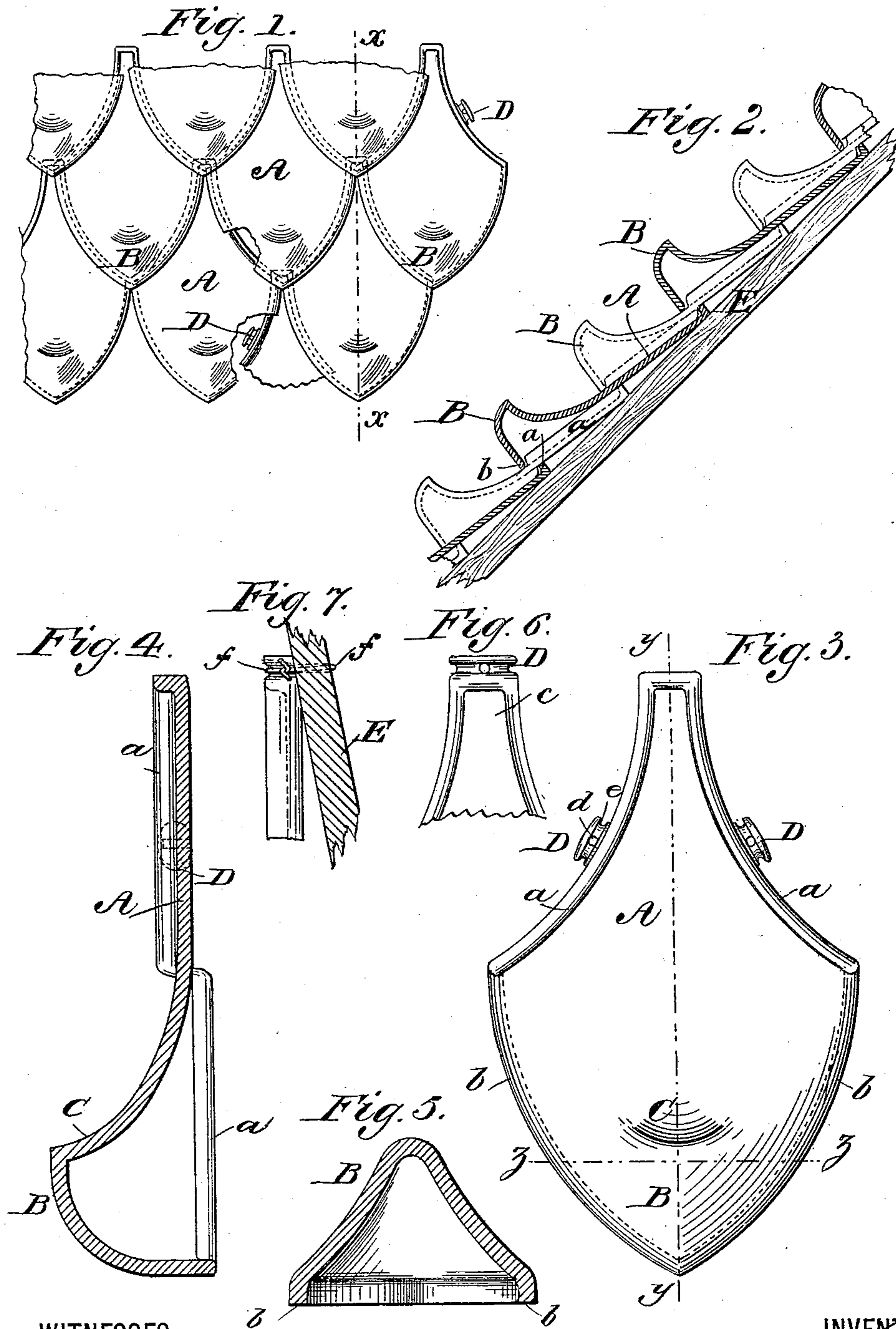


(No Model.)

G. H. BABCOCK.
ROOFING TILE.

No. 430,364.

Patented June 17, 1890.



WITNESSES:
H. F. Parker
Chas. Hanemann

INVENTOR
George H. Babcock
BY
Chas. W. Forbes
ATTORNEY

UNITED STATES PATENT OFFICE.

GEORGE H. BABCOCK, OF PLAINFIELD, NEW JERSEY.

ROOFING-TILE.

SPECIFICATION forming part of Letters Patent No. 430,364, dated June 17, 1890.

Application filed November 8, 1889. Serial No. 329,679. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. BABCOCK, a citizen of the United States, residing at Plainfield, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Roofing-Tiles, of which the following is a specification, reference being had to the accompanying drawings, in which—

10 Figure 1 is a plan view of several tiles embodying my improvements arranged as they would be upon a roof; Fig. 2, a vertical section, taken on a line such as *x x*, Fig. 1, of the tiles thus combined on a roof; Fig. 3, a face view of a single tile, represented on a larger scale; Fig. 4, a longitudinal section of Fig. 3 on the line *y y*; Fig. 5, a cross-section of Fig. 3 on the line *z z*; and Figs. 6 and 7, plan and side views, respectively, of the upper portion of the tile, showing a fastening device applied thereto.

25 My invention relates to tiles of clay or other suitable material, provided with a projecting horn on the exposed portion of the tile, which not only ornaments the roof, but serves to prevent snow from sliding off in avalanches, and also facilitates the walking upon the roof for purposes of repairs.

30 My invention includes a novel construction of the part or parts that support the horn and also parts of the tile by which it is secured, whereby the fastening may be effected either by nailing or wiring to the substructure.

35 In the drawings, A represents the flat or normal surface of the tile, and B the raised portion thereof, configured in the shape of a horn or spur, the abrupt or concave profile C of which is disposed upwardly to promote the purposes above specified.

40 *a a* are the upturned flanges, and *b b* the downturned flanges, of the tiles, whereby the adjacent edges thereof mutually interlock when placed together and rest upon the tiles beneath.

The ears or projections D D, whereby the tiles are secured to the roof E, are applicable to the upper margins *a a* or to the upper extremity *c*, or to any other portion suitable to tiles of various shapes, and the novel feature consists in constructing the ears or projections D, bearing the holes *d* for nailing, with a groove *e* surrounding or partly surrounding the same, and within which groove a suitable fastening-wire *f* may be wound or looped and fastened through or upon the substructure, as indicated in Fig. 7.

These tiles having the horns or spurs may be employed throughout the roof, as illustrated by Figs. 1 and 2, or they may be interspersed in various ways among other tiles having a plain or normal surface, or they may be arranged upon or near the eaves of the roof or adjacent, its ridge and ends presenting an ornamental character.

Having thus described my invention, I claim as novel—

1. In roofing-tiles, the combination of a horn or spur raised above the exposed normal surface, and a peripheral flange adapted to rest upon the tiles beneath, whereby a full support is provided for the horn and a closed structure is produced, substantially as described.

2. In roofing and sheathing tiles, projecting ears perforated and grooved to permit of either wiring or nailing the same to the substructure, substantially as shown.

3. In roofing-tiles, projections on the margins thereof, having grooves surrounding or partly surrounding such projections for the purpose of wiring the tile to the substructure.

GEO. H. BABCOCK.

Witnesses:

CHAS. W. FORBES,
AUG. CREVELING.