

No. 684,170.

Patented Oct. 8, 1901.

E. BARNES.
CHIMNEY TOP.

(Application filed May 16, 1901.)

(No Model.)

FIG. 3.

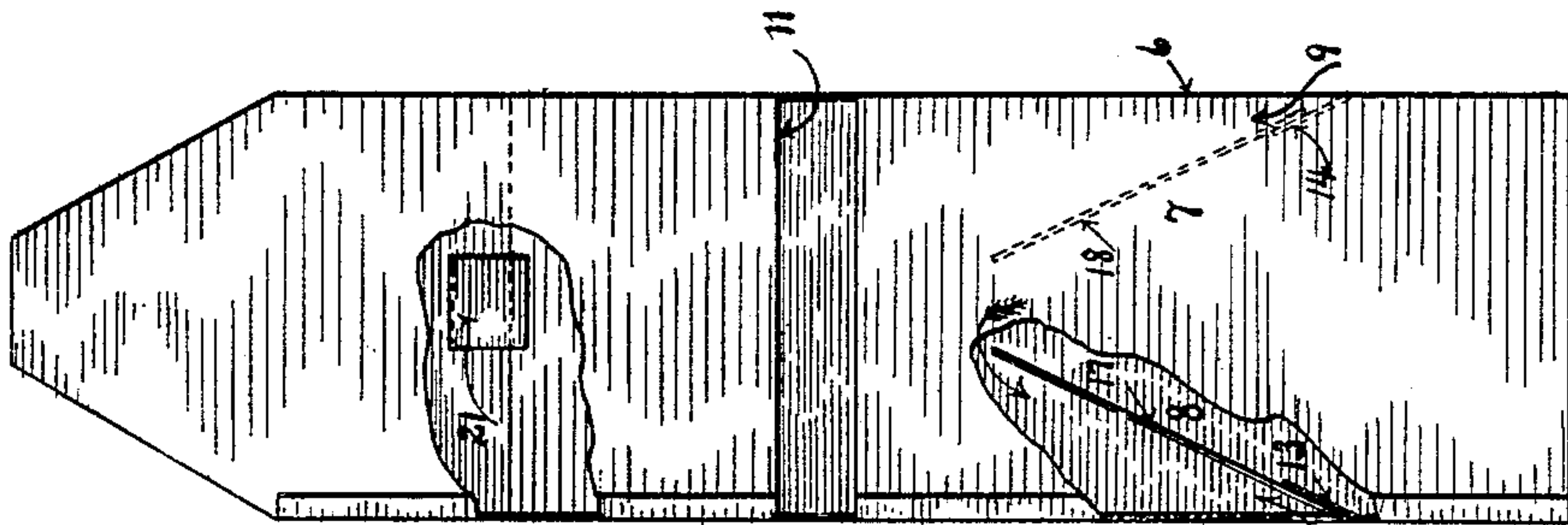


FIG. 2.

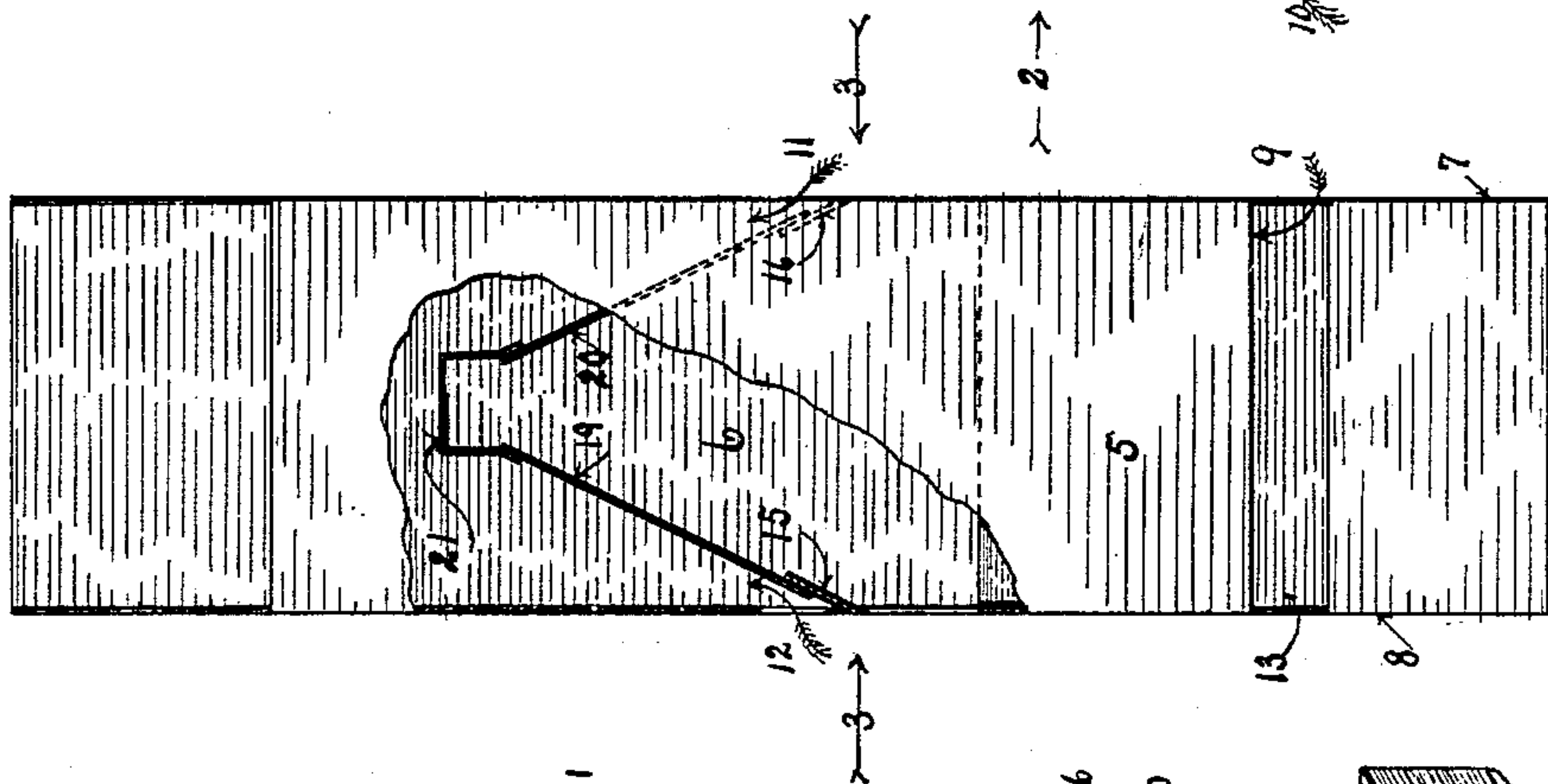
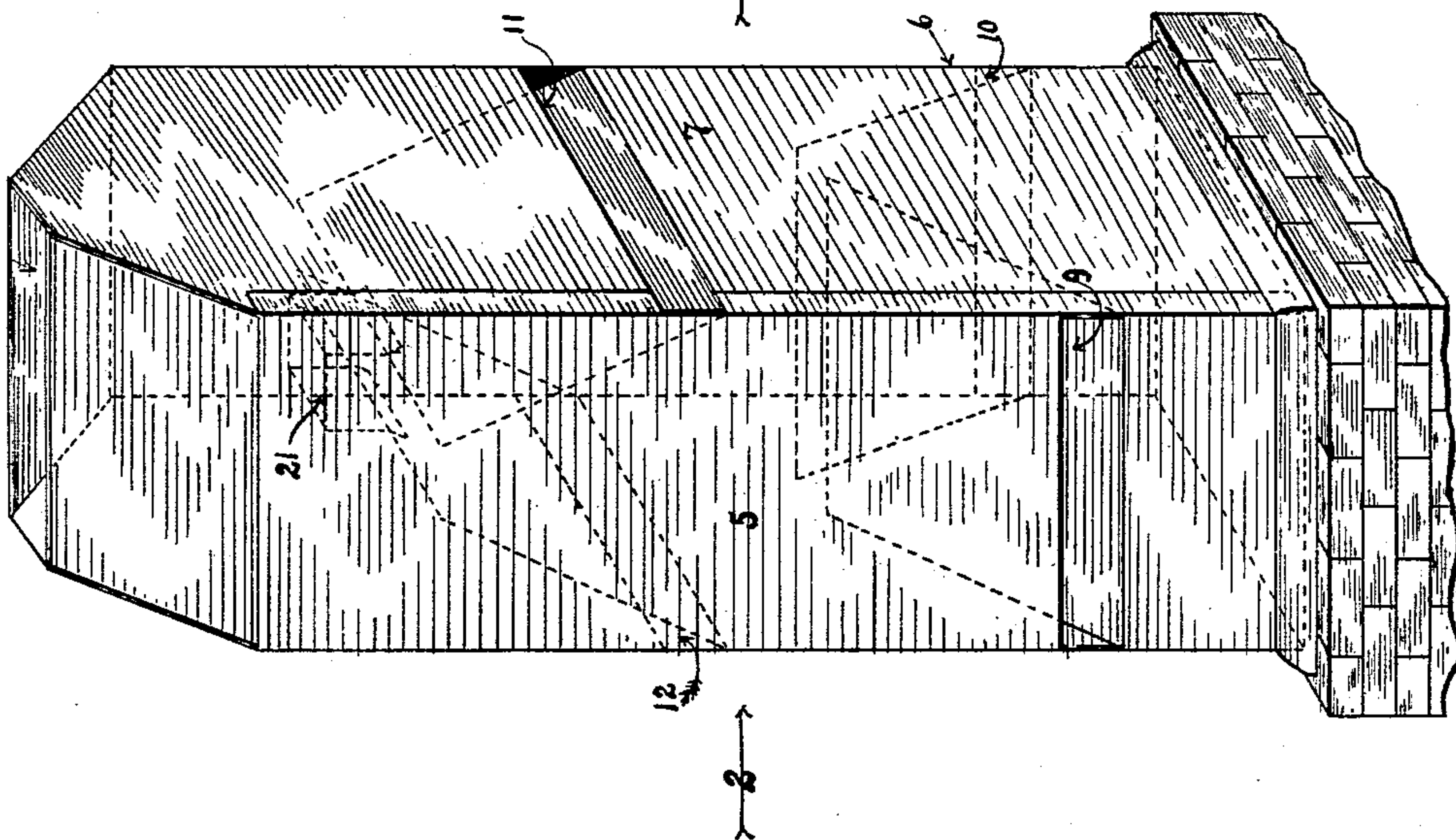


FIG. 1.



WITNESSES:

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CHIMNEY-TOP.

SPECIFICATION forming part of Letters Patent No. 684,170, dated October 8, 1901.

Application filed May 16, 1901. Serial No. 60,568. (No model.)

To all whom it may concern:

Be it known that I, EDMUND BARNES, a citizen of the United States, residing at Gillespie, State of Illinois, have invented a new and useful Chimney-Top, of which the following is a specification.

My invention relates to chimney-tops; and it consists of the novel features herein shown, described, and claimed.

10 Figure 1 is a view in perspective of a chimney-top constructed in accordance with the principles of my invention. Fig. 2 is a side elevation looking in the direction indicated by the arrow 2 in Fig. 1, parts being broken
15 away to better illustrate the invention. Fig. 3 is a side elevation at right angles to Fig. 2 and as seen looking in the direction indicated by the arrow 3 in Figs. 1 and 2, parts being broken away to better illustrate the invention.
20 Referring to the drawings in detail, my improved chimney-top is made of sheet metal—such as galvanized iron, fire-clay, or other material—and the principal part is formed by one piece comprising the four walls 5, 6, 7,
25 and 8, the walls 5 and 6 having the openings 9 and 10 and the walls 7 and 8 having the openings 11 and 12, the portions cut away to form said openings 9 10 11 12 being turned inwardly and forming the leaves 13, 14, 15, and 16 and
30 the upper ends of the walls 5 and 6 being bent toward each other to contract the vertical opening from the chimney. The openings 9 and 10 are in a lower level than the openings 11 and 12 and at right angles thereto. The
35 extension-pieces 17 18 19 20 are attached to the ends of the leaves 13 14 15 16 and extend upwardly to contract the vertical opening from the chimney. The baffle-plate 21 connects the central portions of the upper edges
40 of the extensions 19 and 20 in vertical alignment with the opening 22 between the upper ends of the walls 5 and 6, so that rain passing downwardly through said opening 22 will strike said baffle-plate 21 and be prevented
45 from passing downwardly into the chimney. The object is to prevent wind and rain from passing downwardly into the chimney and to

prevent smoke from being forced downwardly by the wind. When the wind-pressure is high, the smoke will drift outwardly through 50 the openings 9, 10, 11, or 12.

When the smoke is forced downwardly, it will strike the leaves 13, 14, 15, or 16 and be guided to the openings 9, 10, 11, or 12. A further result is an increased draft. 55

I claim—

1. A chimney-top comprising the four walls 5, 6, 7, 8, having the pairs of openings, 9, 10, and 11, 12, at different heights and the one at right angles to the other, each pair having 60 its openings at the same height and in opposite walls, the pairs of plates 17, 18 and 19, 20, similarly placed at right angles the one to the other and each plate extending upwardly and inwardly from the lower edge of one of 65 the openings, and the plate 21 connecting the upper ends of the upper plates, the walls 5 and 6 being sloped inward at the top.

2. A chimney-top comprising the four walls, 5, 6, 7, 8, having the pairs of openings, 9, 10, 70 and 11, 12, at different heights and the one at right angles to the other, each pair having its openings at the same height and in opposite walls, the pairs of plates, 17, 18, and 19, 20, similarly placed at right angles the one 75 to the other and each plate extending upwardly and inwardly from the lower edge of one of the openings, and the plate 21 connecting the upper ends of the upper plates.

3. A chimney-top comprising the four walls, 80 5, 6, 7, 8, having the pairs of openings, 9, 10, and 11, 12, at different heights and the one at right angles to the other, each pair having its openings at the same height and in opposite walls, and the pairs of plates, 17, 18, and 85 19, 20, similarly placed at right angles the one to the other and each plate extending upwardly and inwardly from the lower edge of one of the openings.

EDMUND BARNES.

Witnesses:

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