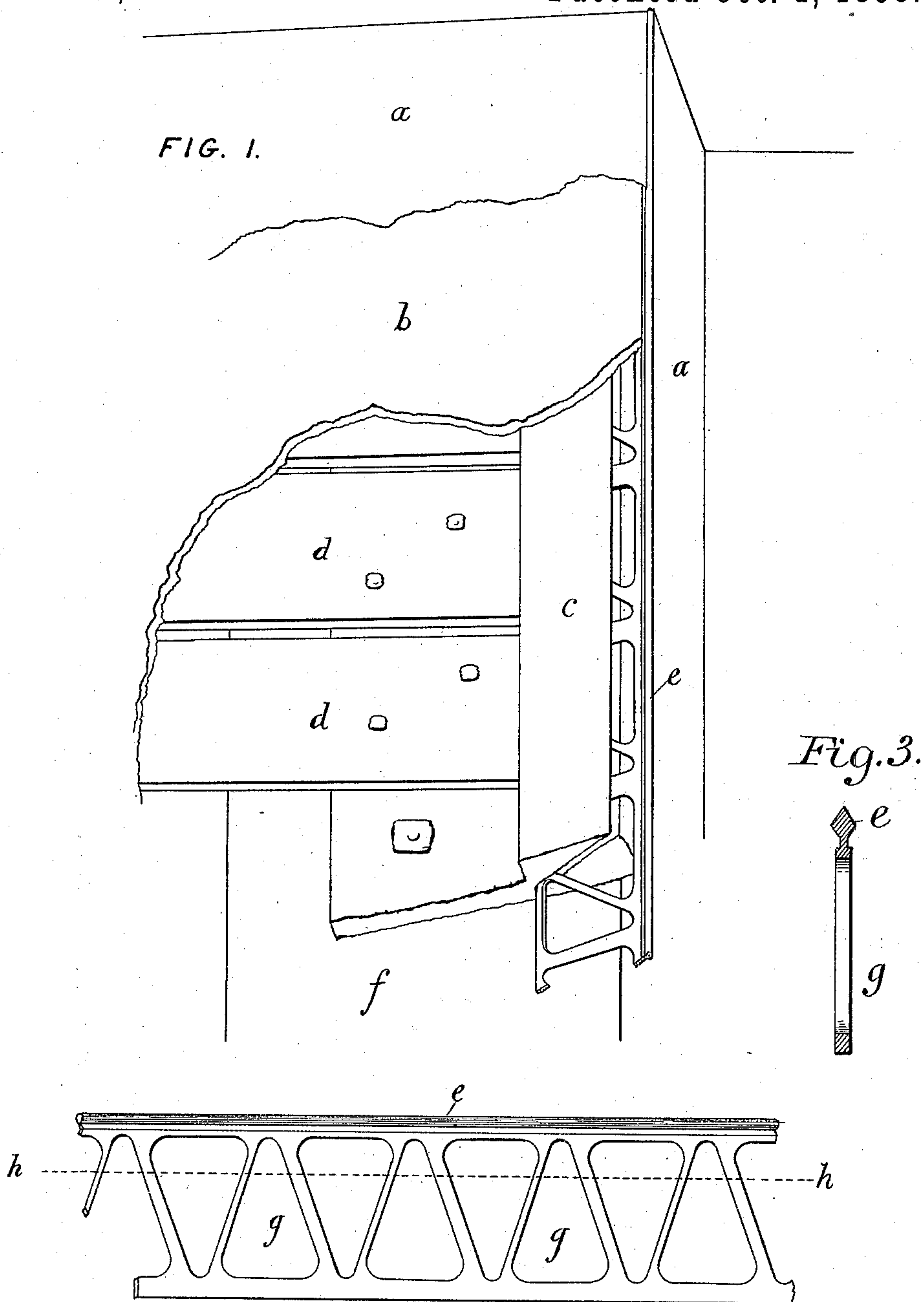


(No Model.)

G. W. MESERVE.
STEEL CORNER PLATE.

No. 547,174.

Patented Oct. 1, 1895.



WITNESSES:

Ether W. Meserve.
Lizzie J. Merrifield.

INVENTOR

George W. Meserve

UNITED STATES PATENT OFFICE.

GEORGE W. MESERVE, OF BOSTON, MASSACHUSETTS.

STEEL CORNER-PLATE.

SPECIFICATION forming part of Letters Patent No. 547,174, dated October 1, 1895.

Application filed February 5, 1894. Serial No. 499,194. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. MESERVE, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Metal Corner Bead or Plate for the Construction and Protection of Plastered Walls, of which the following is a specification, illustrated by the accompanying drawings, in
10 which—

Figure 1 is a view, parts being broken away, showing the corner plate or bead in position. Fig. 2 shows a side view of a position of one corner plate or bead detached from the grooved
15 strip, and Fig. 3 is a sectional view through the plate or bead shown in Fig. 2.

a a, Fig. 1, represents the finished plastering; *b*, brown mortar; *c*, wooden setting and support for corner-bead; *d d*, lathing; *e*, steel
20 corner-bead; *f*, studding or wall.

Fig. 2: *e* is a steel corner-bead; *g*, perforations; *h h*, line of wooden setting.

The perforated strip of metal shown in Fig. 2 in the accompanying drawings should be
25 about one and three-eighths inches wide and one-sixteenth inch thick, of any desired length, driven into a groove made in the studding, furring, or a smaller strip of wood to be attached to the wall or surface to be plastered.
30 This groove should be made at an angle of forty-five degrees and extend three-quarters

of an inch into the wood, leaving five-eighths of an inch of the perforated strip exposed to the mortar and skimming. This furnishes a guide for the trowel and ample clinching
35 spaces for the plastering, and the combination of wood, metal, and mortar secured together in this way gives great strength and permanency to plastered walls where corners and bevels occur.

The bead on the extreme exposed edge of the plate of perforated metal, as shown in detail drawings, stiffening the flange, enables it to resist the pressure of the trowel while the mortar is green and the work in process.
40 45

What I claim, and desire to secure by Letters Patent, is—

1. The combination with the diagonally grooved studding or securing strip of the perforated sheet metal corner plate secured
50 therein as and for the purpose set forth.

2. The herein described metallic corner plate perforated for the passage of the mortar therethrough outside of and beyond the lathing or securing strip, and provided with
55 the stiffening bead upon its outer edge, substantially as shown and described.

GEORGE W. MESERVE.

Witnesses:

CAROLINE R. NICKERSON,
ESTHER M. MESERVE.