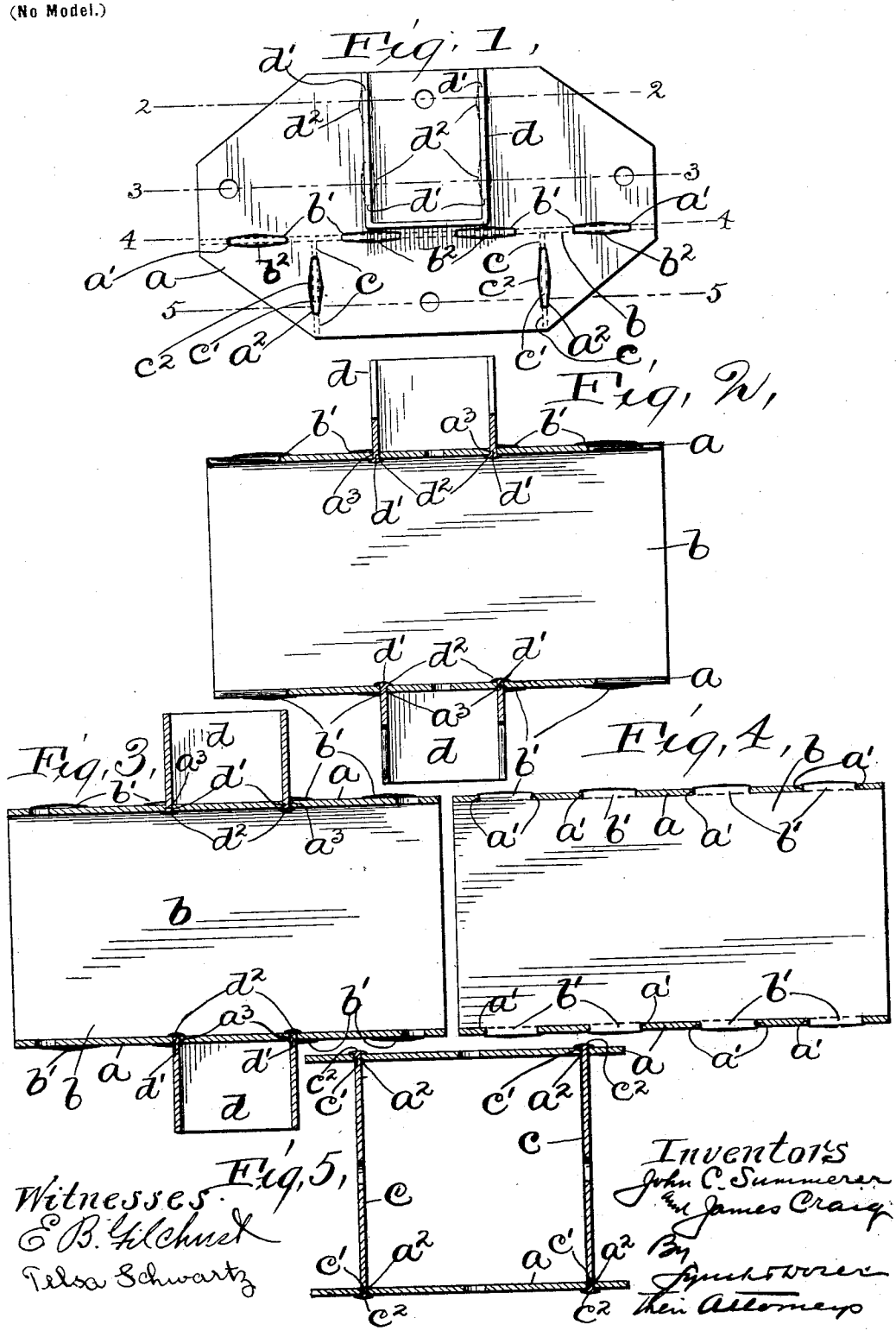
No. 710,538. Patented Oct. 7, 1902.

J. C. SUMMERER & J. CRAIG.

POST CAP.

(Application filed June 21, 1902.)

(No Model.) 2 Sheets—Sheet 1.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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Fig. 6,

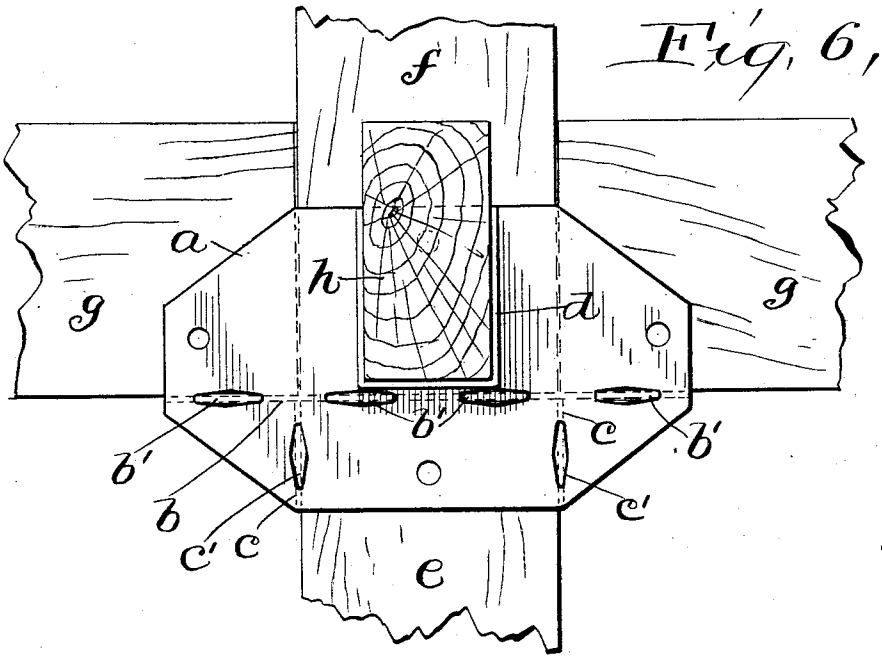
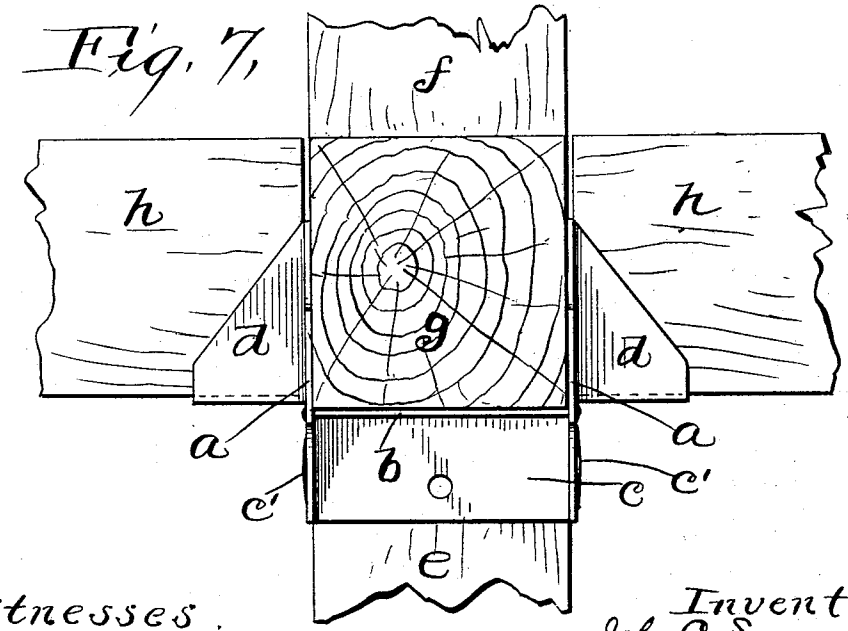


Fig. 7,



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN C. SUMMERER AND JAMES CRAIG, OF GLENVILLE, OHIO.

POST-CAP.

SPECIFICATION forming part of Letters Patent No. 710,538, dated October 7, 1902.

Application filed June 21, 1902. Serial No. 112,674. (No model.)

To all whom it may concern:

Be it known that we, JOHN C. SUMMERER and JAMES CRAIG, citizens of the United States of America, residing at Glenville, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Post-Caps; and we 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 pertains to make and use the same.

Our invention relates to improvements in metal post-caps suitable for use in supporting one or more joists or horizontally-arranged beams or timbers from a post; and the primary object of this invention is to provide a post-cap which is simple in construction and possesses great strength and durability and which will efficiently reinforce the upper end of a post provided with the said cap.

With this object in view our invention consists in certain features of construction and combinations of parts hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of a post-cap embodying our invention. Fig. 2 is a top plan in section on line 2 2, Fig. 1. Fig. 3 is a top plan in section on line 3 3, Fig. 1. Fig. 4 is a top plan in section on line 4 4, Fig. 1. Fig. 5 is a top plan in section on line 5 5, Fig. 1. Figs. 6 and 7 are side elevations taken at right angles to each other and illustrate the application of our improved post-cap, which, as illustrated, is mounted upon a lower post, forms the base for an upper post, and supports several joists or horizontally-arranged beams.

Our improved metal post-cap, as shown in Figs. 1, 2, 3, 4, and 5, comprises two vertical parallel plates a, which correspond in configuration and are arranged a suitable distance apart laterally. Each plate a is provided, preferably about centrally between its upper and lower edges, with a horizontal row of horizontal slots a', which extend laterally through the said plate and are arranged at equal intervals longitudinally of the plate and in line endwise, as shown very clearly in Figs. 1 and 4, and the slots of the row of slots a' of each plate a are arranged directly opposite the different slots, respectively, of the row of slots a' in the other plate a, as shown in Fig. 4. A plate b is arranged in a horizontal plane and snugly interposed between the plates a at the slotted portions of the said plates a. The plate b extends longitudinally of the plates a along the rows of slots a', preferably from end to end of the said plates a. Each side edge of the plate b is provided adjacent to each slot a' in the adjacent upright plate a with a laterally-projecting tenon or projection b', which fits and extends through the said slot and is upset, as at b^2, at the outer side of the said upright plate. It will be observed, therefore, that the plate b braces apart the plates a and efficiently ties the said plates a together.

Each upright plate a below its horizontal row of horizontal slots a' is provided with two vertical slots a^2, which are arranged a suitable distance apart longitudinally of the said plate, and preferably each slot a^2 is arranged between two adjacent slots a', as shown very clearly in Fig. 1, and each slot a^2 in each plate a is arranged directly opposite the corresponding slot a^2 in the other plate a, as shown in Fig. 5, and opposite slots a^2 of the plates a are engaged by tenons or projections c', formed upon the ends of a vertically-arranged brace-forming tie-plate c, which is snugly interposed between the plates a next below the plate b and has its tenons c' fitting the said slots and upset, as at c^2, at the outer sides of the said plates a. It will be observed, therefore, that the plates c brace apart the plates a below the plates c and are instrumental in tying the said plates a together.

Each plate a (see Figs. 1, 2, and 3) is provided at its outer side and above the plate b and centrally between the ends of the said plates a with a U-shaped hanger d, and the upright or end members of the said hanger are provided at their inner side edges with tenons or projections d', which extend through slots a^3, formed in the said plate a, and are upset, as at d^2, at the inner side of the said plate a. The said hanger is therefore efficiently attached to the said plate a.

The application of our improved post-cap is illustrated in Figs. 6 and 7, wherein e designates a lower supporting-post adapted to receive the post-cap, which is slipped over

the upper end of the said post, whose upper end fits the chamber formed between the plates *a*, below the plate *b* and between the plates *c*, and an upper post *f* rests upon the plate *b* directly over the post *e*. Two joists or horizontally-arranged beams *g* rest upon opposite ends, respectively, of the plate *b* at opposite sides, respectively, of the upper post *f*, and joists or horizontally-arranged beams *h* are supported by the hangers *d*.

What we claim is—

1. A metal post-cap comprising the following: two upright metal plates arranged a suitable distance apart laterally and provided each with lateral slots arranged in a horizontal plane and in line endwise, and another metal plate arranged in a horizontal plane between the said upright plates and having tenons or projections engaging the aforesaid slots and upset at the outer sides of the said upright plates.

2. In a metal post-cap, the combination, with two parallel upright metal plates arranged a suitable distance apart laterally and provided, respectively, a suitable distance from the lower edge, with a horizontal row of lateral slots, and a horizontally-arranged plate snugly interposed between the said upright plates and having tenons projecting from one of its side edges and engaging the slots in one of the upright plates, which horizontally-arranged plate has tenons projecting from its side edge and engaging the slots in the other of the said upright plates.

3. A metal post-cap comprising the following: two vertically-arranged parallel plates arranged a suitable distance apart laterally and provided each with a row of slots arranged in a horizontal plane and in line endwise, a horizontally-arranged plate interposed between the said parallel plates and having tenons or projections fitting and extending through the said slots, and two upright brace-forming plates interposed between and attached to the aforesaid parallel plates below the horizontally-arranged plate.

4. A metal post-cap comprising the following: two vertically-arranged parallel plates arranged a suitable distance apart laterally and provided each with a row of slots arranged in a horizontal plane and in line endwise, a horizontally-arranged plate interposed between the said parallel plates and having tenons or projections fitting and extending through the aforesaid slots, and two upright brace-forming tie-plates snugly interposed between the aforesaid parallel plates below the horizontally-arranged plate and having tenons or projections extending through and upset at the outer sides of the parallel plates.

5. A metal post-cap comprising the following: two upright plates arranged a suitable distance apart laterally and provided each with two upright slots arranged a suitable distance apart horizontally, and the slots in one of the said plates being arranged directly opposite to the different slots, respectively, in the other of the said plates; a plate arranged in a horizontal plane above the said slots and attached to the aforesaid upright plates, and two brace-forming tie-plates snugly interposed between the aforesaid upright plates below the horizontally-arranged plate and having tenons engaging the aforesaid slots.

6. A metal post-cap comprising the following: two vertical metal plates arranged a suitable distance apart laterally and provided each, between its upper and lower edges and near its central portion, with a row of horizontal slots arranged in line endwise and a suitable distance apart, and each of the said plates being provided, below its said row of slots, with two vertical slots arranged a suitable distance apart longitudinally of the said row of slots and centrally between two adjacent slots of the said row of slots, a horizontal plate arranged between the said upright plates and having tenons or projections fitting and extending through the aforesaid horizontal slots and upset at the outer sides of the said upright plates; two vertical tie-plates arranged between and at right angles to the aforesaid vertical plates next below the horizontal plate and having tenons or projections fitting and extending through the aforesaid vertical slots.

7. A metal post-cap comprising the following: two upright metal plates arranged a suitable distance apart laterally; a plate arranged in a horizontal plane between and attached to the said upright plates; two brace-forming tie-plates arranged between and attached to the aforesaid upright plates below the horizontal plate and a U-shaped hanger arranged at the outer side of one of the said upright plates and having tenons or projections extending through, and upset at the inner ends of, the said upright plate.

Signed by us at Cleveland, Ohio, this 7th day of June, 1902.

JOHN C. SUMMERER.
JAMES CRAIG.

Witnesses:
C. H. DORER,
TELSA SCHWARTZ.