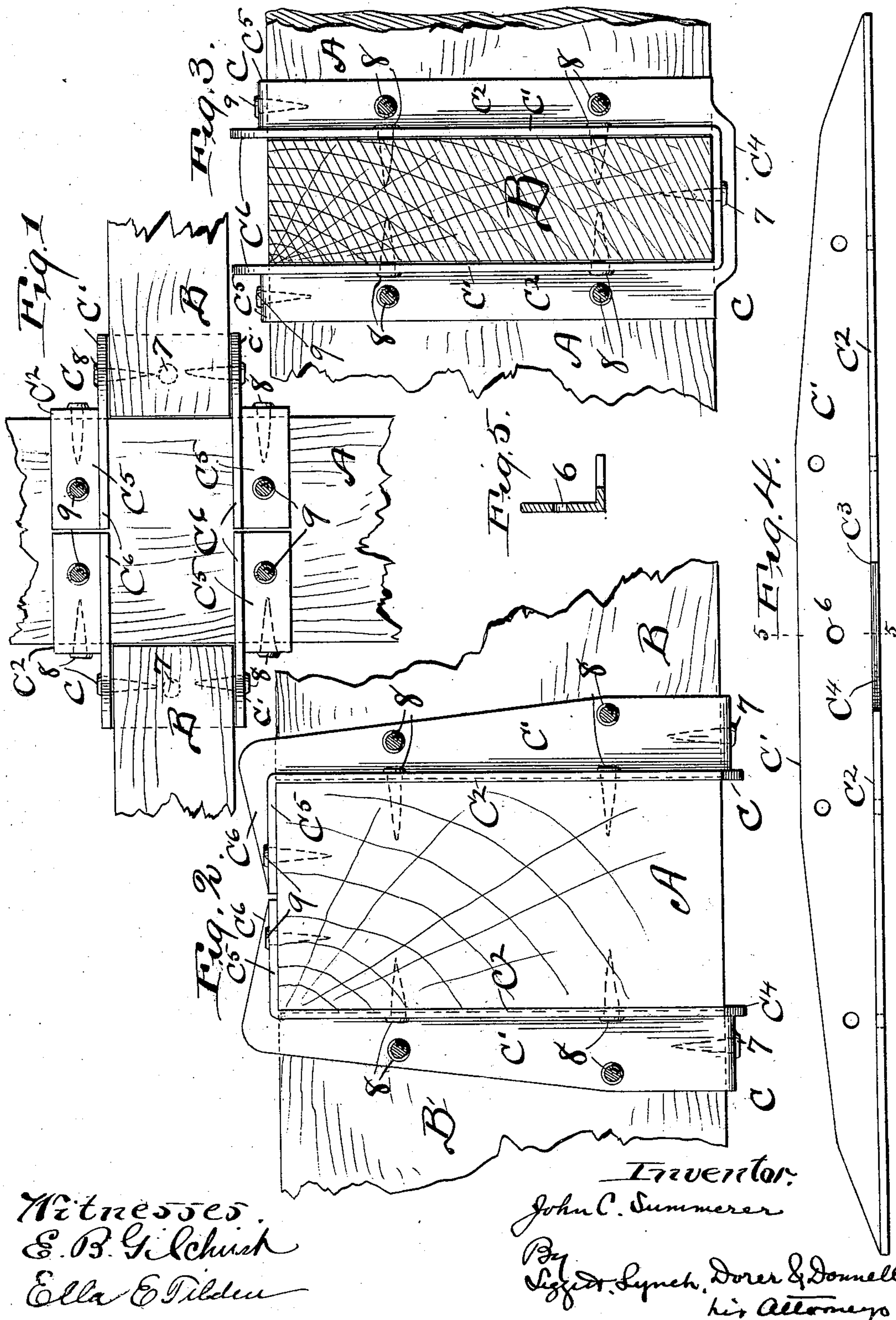


(No Model.)

J. C. SUMMERER.
JOIST HANGER.

No. 560,947.

Patented May 26, 1896.



UNITED STATES PATENT OFFICE.

JOHN C. SUMMERER, OF CLEVELAND, OHIO.

JOIST-HANGER.

SPECIFICATION forming part of Letters Patent No. 560,947, dated May 26, 1896.

Application filed February 14, 1896. Serial No. 579,295. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. SUMMERER, of Cleveland, Cuyahoga county, Ohio, have invented certain new and useful Improvements in Joist-Hangers; 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 pertains to make and use the same.

My invention relates to an improved steel or wrought-metal joist-hanger and blank employed in the formation of the hanger; and the invention consists, primarily, in a joist-hanger made from a wrought-metal angle-bar.

In the accompanying drawings, Figure 1 is a top plan of a portion of a supporting-beam and the adjacent ends of two joists at opposite sides, respectively, of the beam and supported from the latter by means of hangers embodying my invention. Figs. 2 and 3 are side elevations taken at right angles to each other, showing the parts illustrated in Fig. 1. Fig. 4 is an elevation of a wrought-metal angle-bar employed in the construction of my improved hanger. Fig. 5 is a transverse section on line 5 5, Fig. 1.

Referring to the drawings, A designates a portion of the supporting-beam; B B, the adjacent ends of two joists arranged at opposite sides, respectively, of the beam and supported from the beam by hangers embodying my invention.

The hanger C, instrumental in supporting a joist from the supporting-beam, is made from a single wrought-metal bar right-angular in cross-section.

C' and C² designate the two members of the angle-bar, which members extend longitudinally of and from end to end of the bar. The central portion of member C' forms a seat for the joist and has preferably a hole 6 there-through for receiving a spike or securing device 7, instrumental in rigidly securing said member to the under side of the joist. The angle-bar at each end of the seat-forming portion of said bar is bent upwardly, as shown very clearly in Fig. 3, and the portions of the bar that are thus bent upwardly are preferably provided with any suitable number of

holes for receiving spikes or securing devices 8, instrumental in rigidly securing the hanger to the joist and supporting-beam. Member C² of the bar or blank is cut away somewhat, as at C³, adjacent to the joist-seat-forming portion of member C' to accommodate and facilitate the aforesaid upward bending of the bar, but enough of member C² at the joist-seat remains to form a rib C⁴, extending from end to end of and reinforcing the seat. The joist-seat of the hanger therefore projects laterally of one side of member C², and said member C² a short distance from each of the extremities is bent laterally in the opposite direction and at right angles to form supporting-arms C⁵, adapted to engage and rest upon the top or upper side of the supporting-beam, as clearly shown in Figs. 1 and 2, and arms C⁵ are preferably provided with any suitable number of holes for receiving spikes or securing devices instrumental in rigidly securing said arms to the supporting-beam. Member C' of the angle-bar is gradually reduced in width toward both extremities of the bar, as shown in Fig. 4, to accommodate and facilitate the formation of supporting-arms C⁵, and the outer ends of member C' form ribs C⁶ for reinforcing said arms.

It is also obvious that a joist-hanger made according to my invention possesses great strength and durability and is comparatively inexpensive.

What I claim is—

A joist-hanger composed of a wrought-metal angle-bar bent upwardly at two points located a suitable distance apart at the central portion of the bar to form a ribbed joist-seat, and bent laterally a suitable distance from each of its extremities, and in a direction opposite to the location of the joist-seat to form ribbed supporting-arms for the joist-hanger, substantially as shown and described.

In testimony whereof I sign this specification, in the presence of two witnesses, this 19th day of December, 1895.

JOHN C. SUMMERER.

Witnesses:

C. H. DORER,

L. WARD HOOVER.