

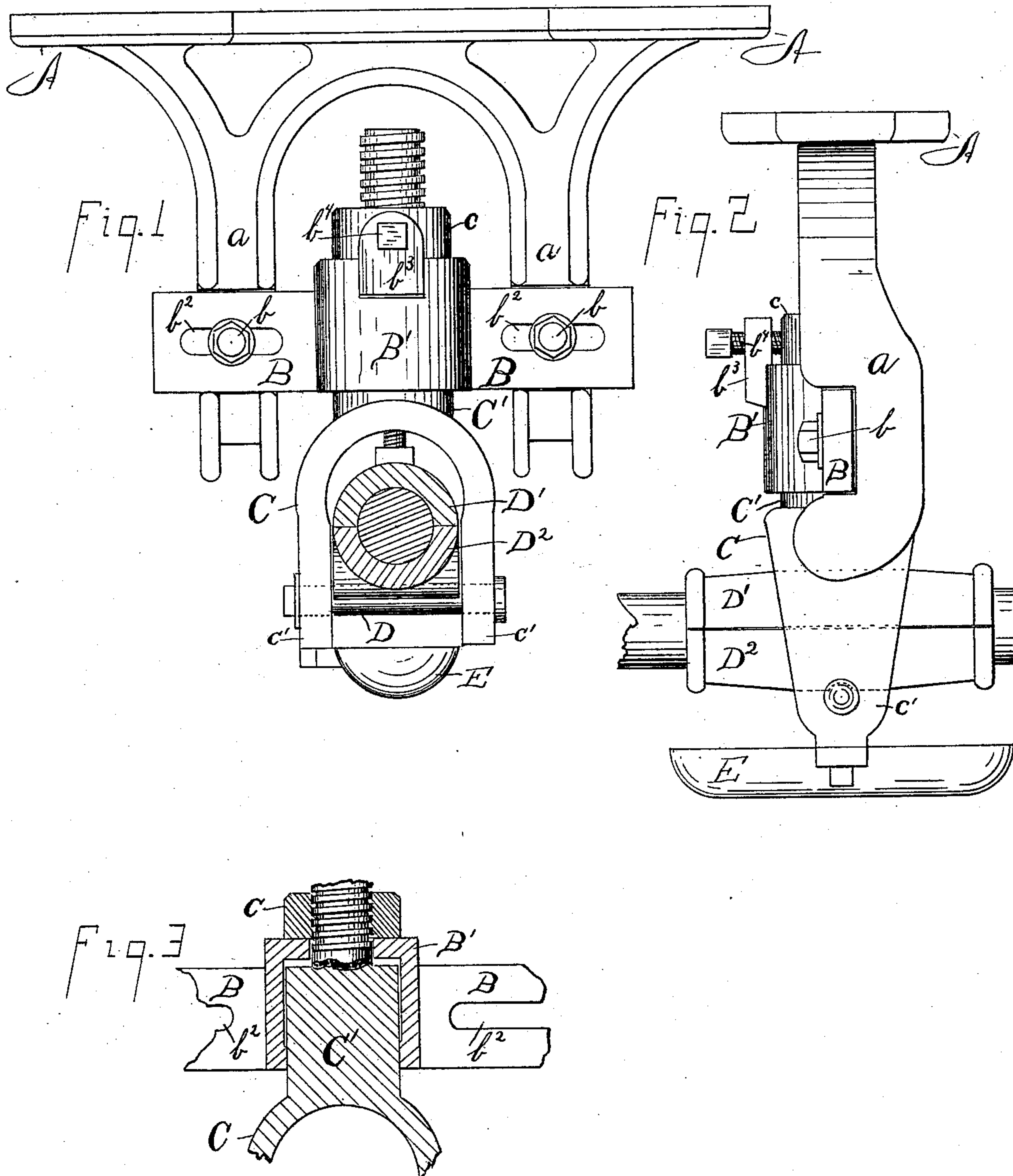
(No Model.)

A. E. PRESTON.

SHAFT HANGER.

No. 362,658.

Patented May 10, 1887.



Witnesses

E. C. Brown

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UNITED STATES PATENT OFFICE.

ALMON E. PRESTON, OF BATTLE CREEK, MICHIGAN.

SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 362,658, dated May 10, 1887.

Application filed October 23, 1886. Serial No. 217,029. (No model.)

To all whom it may concern:

Be it known that I, ALMON E. PRESTON, a citizen of the United States, residing at Battle Creek, in the county of Calhoun and State of Michigan, have invented certain new and useful Improvements in Shaft-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 appertains to make and use the same.

My invention relates to shaft-hangers; and it consists in the combination, with a suitable bracket or support, of a cross-bar secured thereto and provided with a socket which supports a swiveled yoke, said yoke carrying a pivoted bearing for the shaft.

It also consists in other particular combinations, which will be set forth in the claims.

In the drawings, Figure 1 is a side elevation of the hanger; Fig. 2, an end elevation of the same; and Fig. 3 is a detail in section.

A represents a bracket or support, which may be bolted to the ceiling, or made of other suitable shape and bolted to a side wall. This bracket is provided with two pendants, *a a*, which are notched at their lower ends, as shown, to receive a cross-bar, B. This cross-bar is adjustably secured to the pendants by bolts *b*, which pass through slots *b*² in the bar. The cross-bar is provided with a central vertical bearing or box, B'. (Shown in section in Fig. 3.) This box has an inwardly-projecting flange on its upper side, and on its front outer face is provided with an upwardly-projecting lug, *b*³, which is adapted to receive a set-screw, *b*⁴.

C is a yoke, having a neck, C', which fits into the box B', and has a screw projection, which passes through the opening in the upper end

of the box B' and receives a nut, *c*. This nut is held from turning by set screw *b*⁴, which impinges against it.

The yoke proper consists of two arms, *c' c'*, which carry a cross-pin, D, at the lower end. The box for the shaft consists of the upper and lower pieces, D' D². The lower one is provided with a lateral groove on its under side, which rests on the pin D and allows the bearing to tilt thereon. To one of the sides of the yoke is secured a drip-pan, E, as shown. By reason of the slots in the cross-bar I get a lateral adjustability, by the vertical screw and nut I get vertical adjustability, and by reason of the swiveled yoke and the pivoted box in the yoke I get a lateral and vertical swinging movement.

Having described my invention, what I claim is—

1. In a shaft-hanger, the combination of the bracket A, the slotted bar B, provided with a socket, and the yoke C, carrying the bearing, substantially as described.

2. The combination, of a bracket provided with shoulders or notches, a socketed bar provided with slots for convenient adjustment, and bolts for securing the bar in the desired position, as specified.

3. The combination of a bracket provided with notches, a lateral adjustable socketed bar, a vertically-adjustable yoke, and a flexibly-mounted journal-bearing, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALMON E. PRESTON.

Witnesses:

NATHAN H. BRIGGS,
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