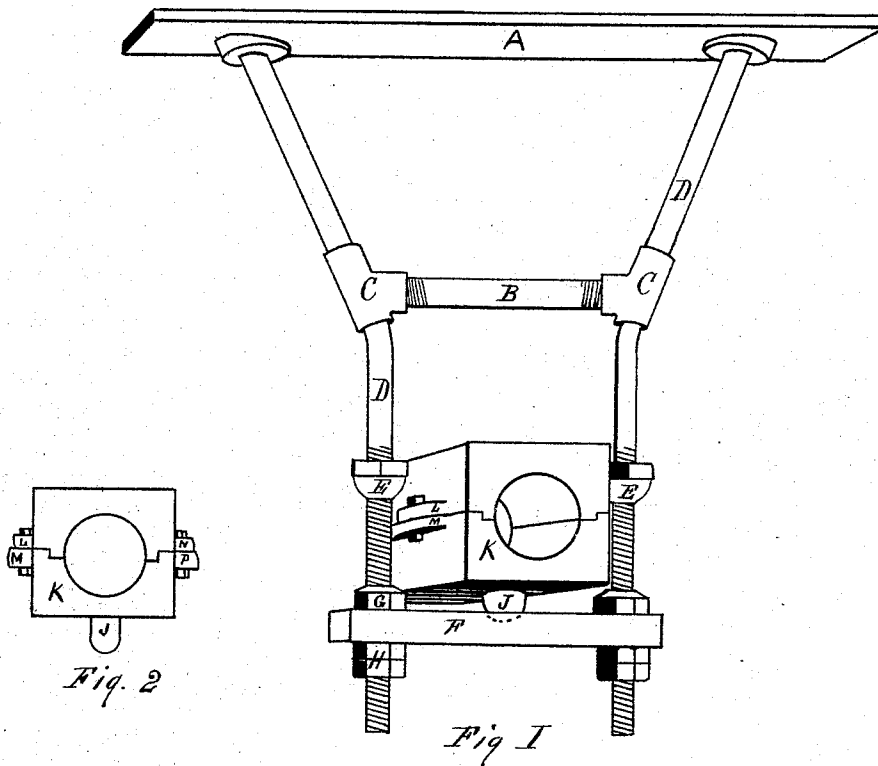


C. E. HOLT.  
Hangers for Shafting.

No. 156,636.

Patented Nov. 10, 1874.



Witnesses  
C. A. Shaw  
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# UNITED STATES PATENT OFFICE.

CHARLES E. HOLT, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN HANGERS FOR SHAFTING.

Specification forming part of Letters Patent No. **156,636**, dated November 10, 1874; application filed April 2, 1874.

*To all whom it may concern:*

Be it known that I, CHARLES E. HOLT, of Boston, in the county of Suffolk, State of Massachusetts, have invented a certain new and useful Improvement in Hangers and Boxes for Shafting, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view of my improved hanger and box, and Fig. 2 a sectional view, showing the box.

Like letters refer to like parts in the different figures of the drawing.

My invention relates to means for rendering the boxes for shafting both vertically and laterally adjustable; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which much better results are attained than with boxes and hangers of the ordinary construction.

The simplicity of my invention obviates the necessity of a lengthy description.

In Figure 1, A B C D is the body of the hanger, and F the cross-bar or box-step, which is rendered vertically adjustable by the nuts H and check-nuts G. The side pieces or arms D D are bent inwardly at the center in such a manner as to bring the lower ends of the same into parallelism when the upper ends are attached to the beam A, as shown. The thimbles C C slide upon the inclined portion of the arms D D, above the central bend, and, with the part B, form an adjustable brace for strengthening the hanger. Each of the arms D, below the bend in the same, is threaded and provided with a nut, E, the lower side of which is conical in form, the upper side being flat. The box K is supported on the oval rest or pivot J, which is fitted to work in a corresponding concavity in the step F. Projecting centrally from the sides of the lower part of the box K there are two rounded flanges or lips, M P, Fig. 2, to which the cap of the box is attached by bolts passing through smaller flanges, L N.

From the foregoing the nature and operation of my invention will be readily understood by all conversant with such matters. The box being in position in the hanger, as shown in Fig. 1, may be readily adjusted vertically by means of the nuts G H, the pivot J being kept in its socket by the nuts E E, which when the box is in use, are to be turned down into contact with the flanges M P.

It will be seen that the conical formation of the lower part of the nuts E E and the rounded form of the flanges M P allow the box to be swiveled on the pivot J, and to assume nearly any position necessary to accommodate itself to the shafting, the nuts, as they are turned up or down on the side pieces D D, remaining in contact with the flanges and preventing the box from being thrown out of its step, as will be readily obvious.

A hanger provided with the adjustable brace B being already secured to me by Letters Patent of the United States, dated March 3, 1874, and numbered 143,063, I do not herein claim said brace, or anything shown or described in said Letters Patent, when in and of itself considered, the hanger described in said patent being essentially different from my present invention, in that the side pieces are not bent to bring the lower ends of the same into parallelism, and are not provided with the adjustable step F or conical nuts E E, which are very essential features, the hanger herein shown being an improvement on said patented hanger in that respect.

I am aware that Letters Patent were granted to one Carey, April 8, 1873, and numbered 137,593, in which a hanger having vertical sides is described, and I therefore do not claim anything shown or described in said Letters Patent; but

What I claim is—

The box K, provided with the pivot J and flanges M P, and rendered adjustable by the nuts E E on the side pieces D D, substantially as and for the purpose specified.

CHARLES E. HOLT.

Witnesses:

C. A. SHAW,  
H. E. METCALF.