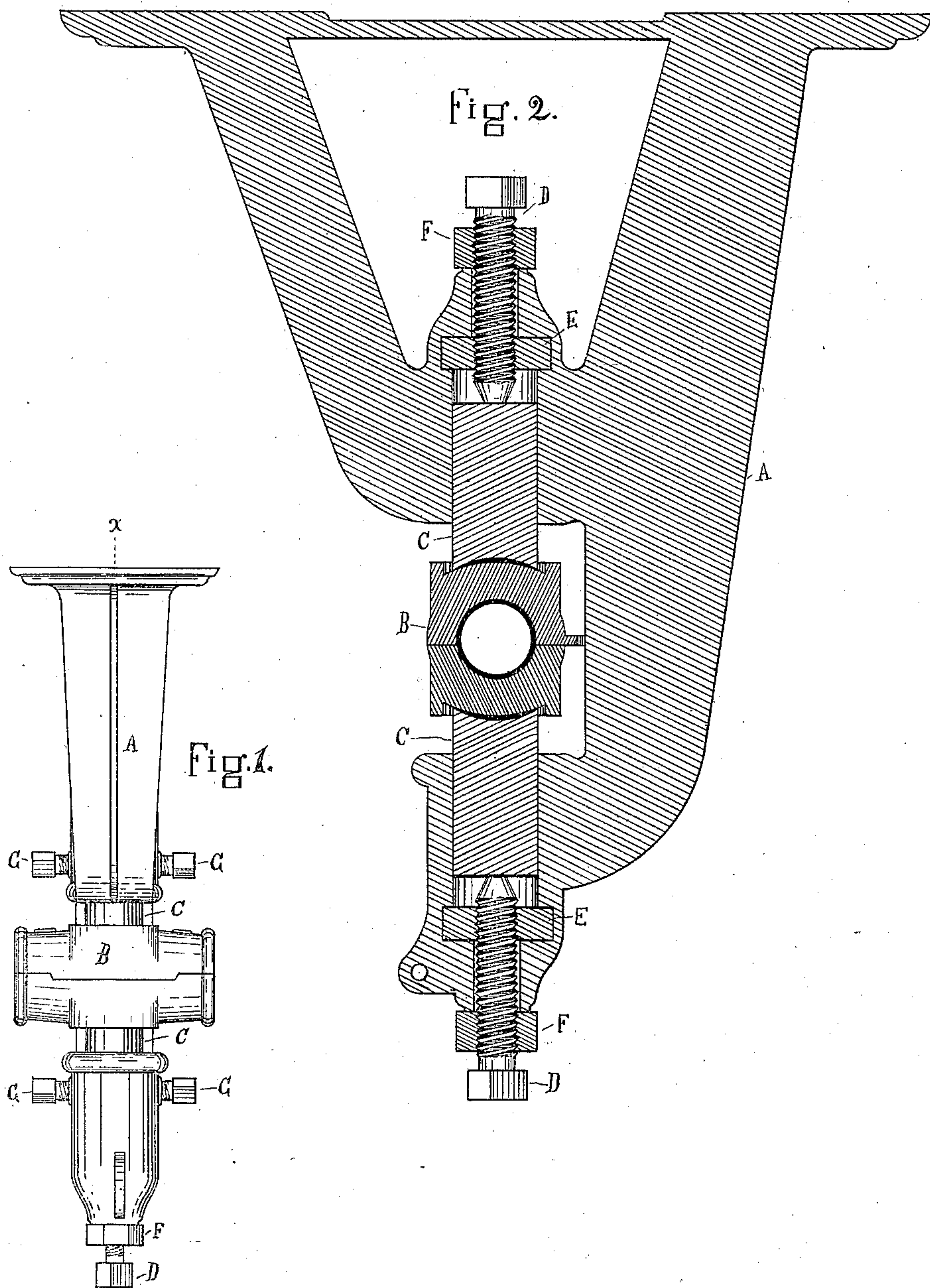


(No Model.)

V. KNECHT.  
SHAFT HANGER.

No. 312,866.

Patented Feb. 24, 1885.



Attest.  
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*By Geo J Murray*  
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# UNITED STATES PATENT OFFICE.

VICTOR KNECHT, OF CINCINNATI, OHIO.

## SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 312,866, dated February 24, 1885.

Application filed December 3, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, VICTOR KNECHT, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Shaft-Hangers, of which the following is a specification.

My invention relates to that class of shaft-hangers in which the boxing for the shaft is vertically adjustable by means of set-screws passing through the bracket-arms upon opposite sides of the arms; and it consists in certain novel features of construction by which I am enabled to produce a cheap and reliable hanger.

In the accompanying drawings, in which similar reference-letters indicate like parts wherever they occur, Figure 1 is a front elevation of my improved hanger fitted up complete. Fig. 2 is an enlarged central vertical section of the same taken through line *xx* of Fig. 1.

The bracket A and shaft-boxing B are in general outline the same as those now in common use. The lower arm of the bracket A and the web of the bracket vertically above it are cored out in casting, so as to receive the plain cylindrical plug C, which closely fits the enlarged bore, and the screw-bolts D, which play freely in the diminished bores of the bracket. E are wrought-iron nuts, which are placed in the core after the mold for casting the bracket is formed. When the hanger is cast, these nuts are firmly embedded within it. The screw-bolts D have also upon them jam-nuts F, which, when the boxing is adjusted to the proper place, are tightened down to prevent the bolts D from unscrewing or be-

coming loose by the jar incident to the running of the machinery. The bracket upon each side is screw-tapped to receive set-screws G, which are firmly tightened against the plug C when the shaft has been properly lined. The bolt D and nuts E and F are the ordinary wrought-iron bolts and nuts, as are also the set-screws G.

It will thus be seen that there is no expense in fitting my shaft-hanger for use, except simply tapping to receive set-screws G.

The nut E is preferably square or octagonal, although this is not essential, as the cast metal shrinking upon it in cooling would firmly hold it and prevent it from turning.

While the set-screws G relieve the screw-bolts D from strain, I do not regard them as absolutely essential in my hanger, as the jam-nut F, when firmly tightened down, would prevent the bolt D from turning ordinarily, and thus keep the shaft in line.

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

1. The bracket A, cast with the bores to receive plugs C and bolts D, and having nuts E cast with it, in combination with the box B, plugs C, and screw-bolts D, substantially as specified.

2. In a shaft-hanger, the combination, substantially as specified, of bracket A, box B, plugs C, bolts D, nuts E and F, and set-screws G, constructed and arranged substantially as and for the purpose set forth.

VICTOR KNECHT.

Witnesses:

ALEX. D. CUNNY,  
GEO. J. MURRAY.