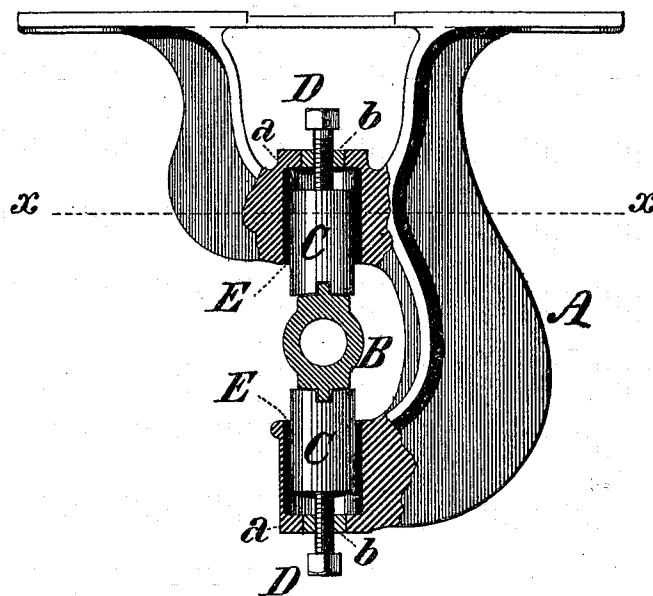


J. YOCOM, Jr.  
HANGERS FOR SHAFTING.

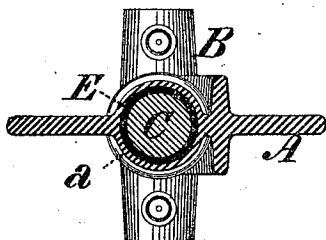
No. 185,154.

Patented Dec. 5, 1876.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

S. R. Bell.  
Geo. A. Vaillant.

INVENTOR.

James Yocom, Jr.  
By J. Gordon Bell,  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

JAMES YOCOM, JR., OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN HANGERS FOR SHAFTING.

Specification forming part of Letters Patent No. **185,154**, dated December 5, 1876; application filed November 15, 1876.

*To all whom it may concern:*

Be it known that I, JAMES YOCOM, Jr., of the city and county of Philadelphia, and State of Pennsylvania, have invented a certain new and useful Improvement in Hangers for Shafting, of which the following is a specification:

My invention relates to that class of hangers in which the bearing or journal-box of the shaft is supported between two movable posts fitted to sockets upon the hanger, and adjustable therein by means of set-screws, and is designed to obviate the difficulty which has heretofore existed in obtaining proper bearings for the posts. To this end my improvement consists in providing a metal bushing or sleeve for each post, said bushings being either chilled or bored out on their interior surfaces, and placed within and suitably supported in the mold in which the hanger is cast, so that the metal shall be cast around them, the bushings constituting the bearings within which the posts rest, as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is an end view, partly in section, of a hanger embodying my improvement; and Fig. 2, a horizontal section of the same at the line *xx* of Fig. 1.

My improvement is shown as applied to a hanger, *A*, the general plan of construction of which is substantially similar to that for which Letters Patent of the United States, numbered 68,826, were granted and issued to me under date of September 10, 1867. The

bearing or journal-box *B* is supported between two movable posts, *C C*, which are adjustable vertically within sockets *a a* by set-screws *D D*, engaging nuts *b b* in the sockets.

It will be obvious that by reason of the relative position of the two sockets and the short distance between them, they cannot conveniently be bored out, and I have found, in practice, more or less difficulty in casting the sockets around chills. I dispense with the necessity of boring the hanger after casting, and avoid risk of failure in chilling, by providing a metal bushing or sleeve, *E*, for each post, each bushing being either bored out or internally chilled. The bushings *E E* are placed in proper position in the mold, and suitably secured therein, preferably by internal chills, and the metal of the hanger is cast around them, so as to bed and hold them within their respective sockets. Accurate bearings are thus provided for the posts without subsequent manipulation, and the objections hereinbefore stated are effectually overcome.

I claim as my invention and desire to secure by Letters Patent—

A cast-metal hanger having bushings or thimbles embedded therein in the operation of molding, combined with the movable posts of said hanger, substantially as and for the purposes herein set forth.

JAMES YOCOM, JR.

Witnesses:

J. SNOWDEN BELL,  
HENRY BAKER.