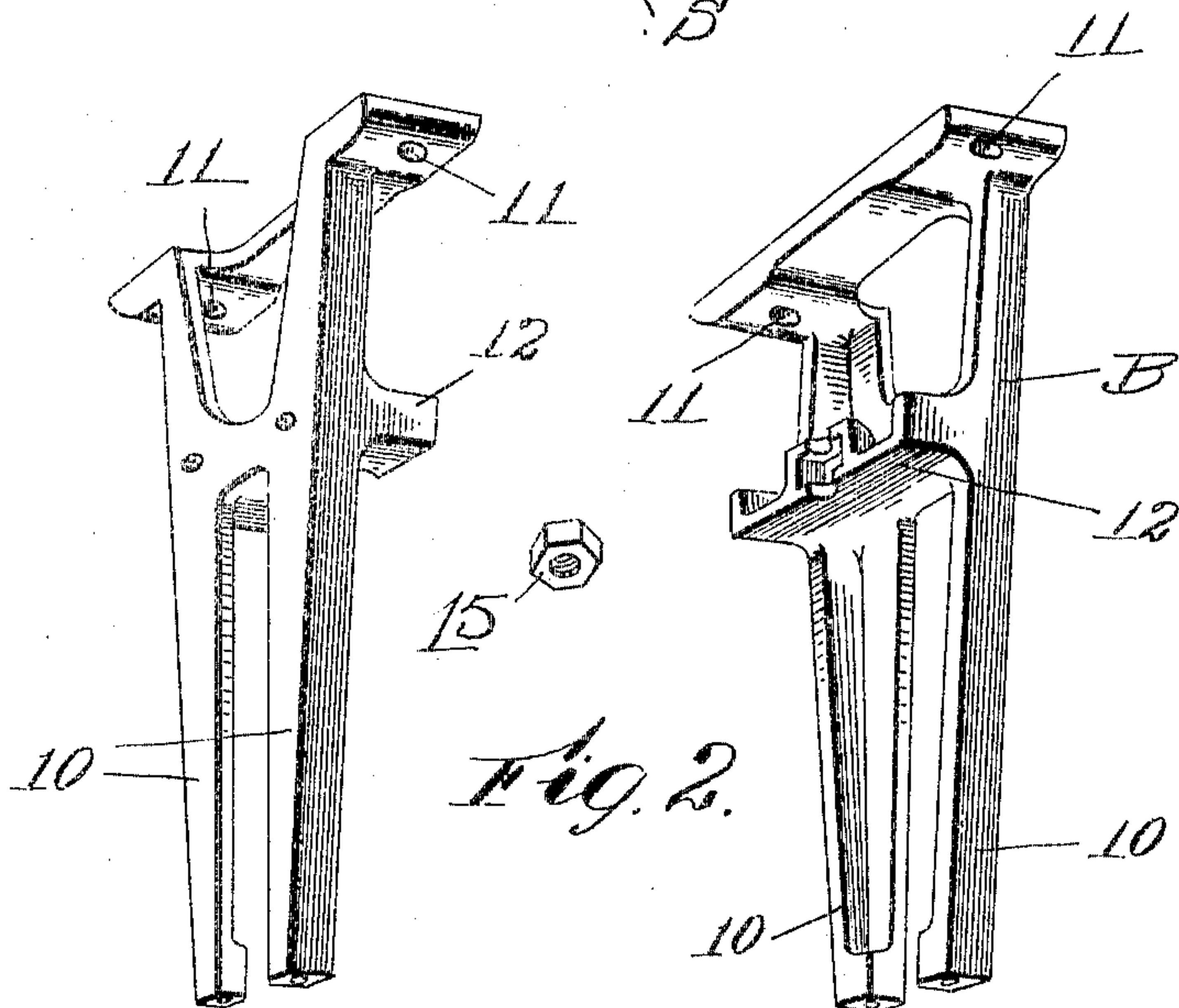
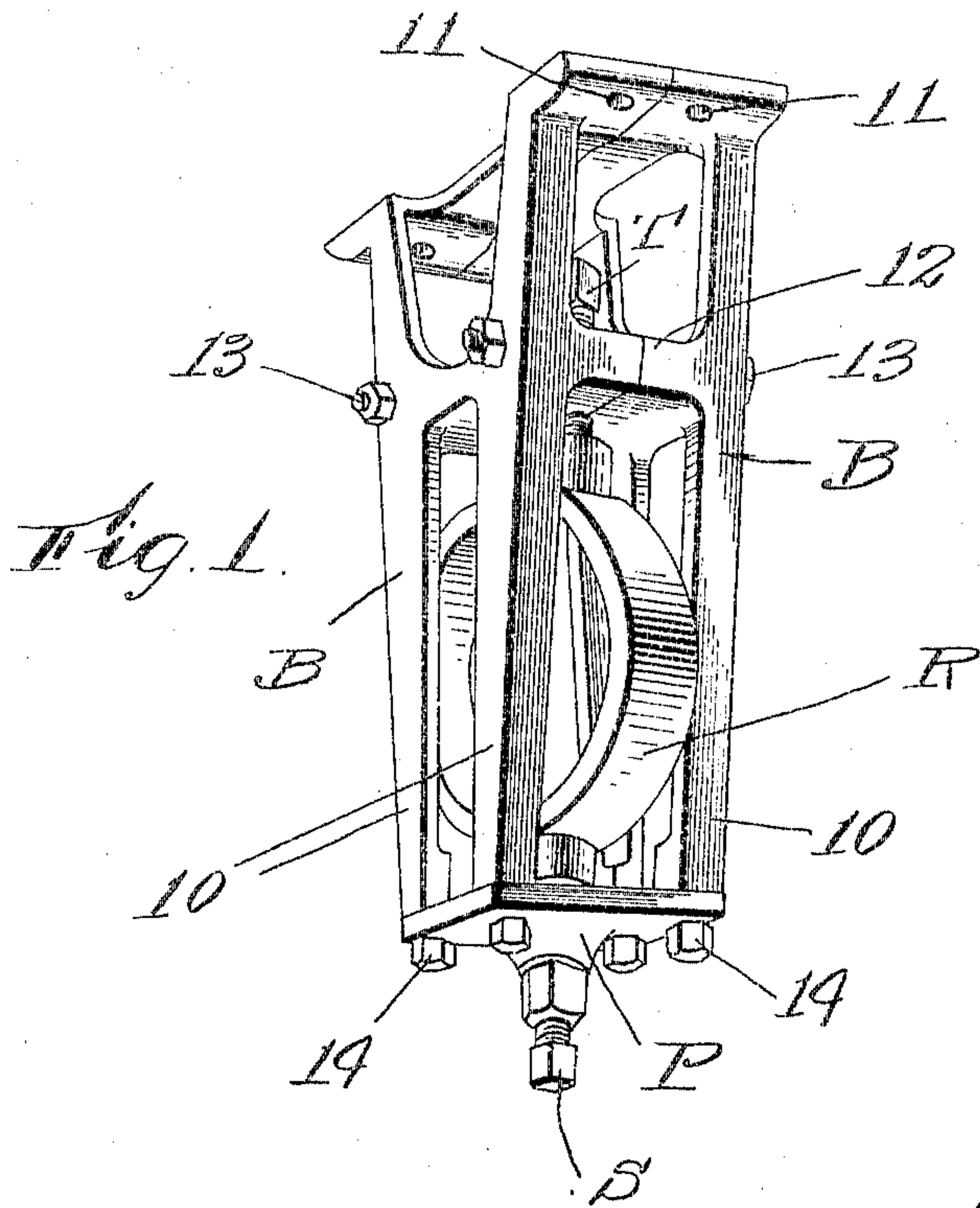


No. 780,129.

PATENTED JAN. 17, 1905.

W. S. ROGERS.  
SHAFT HANGER.

APPLICATION FILED JUNE 8, 1904.



Witnesses:  
C. F. Mason  
M. E. Regan.

Inventor:  
W. S. Rogers.  
By his Attorneys  
Southgate and Southgate



# UNITED STATES PATENT OFFICE.

WINFIELD S. ROGERS, OF BANTAM, CONNECTICUT, ASSIGNOR TO JOHN L. BUELL, OF LITCHFIELD, CONNECTICUT.

## SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 780,129, dated January 17, 1905.

Application filed June 8, 1904. Serial No. 211,579.

*To all whom it may concern:*

Be it known that I, WINFIELD S. ROGERS, a citizen of the United States, residing at Bantam, in the county of Litchfield and State of Connecticut, have invented a new and useful Shaft-Hanger, of which the following is a specification.

This invention relates to a shaft-hanger for supporting overhead shafting.

The object of this invention is to provide a strong, simple, and efficient shaft-hanger which can be applied at an intermediate point on a line of shafting without removing the pulleys or other fixtures carried by the shafting.

To this end this invention consists of the shaft-hanger as an article of manufacture and of the combinations of parts therein, as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a perspective view of a shaft-hanger constructed according to this invention, and Fig. 2 is a perspective view of parts thereof.

The shaft-hanger constructed according to this invention is a built-up structure comprising parts so combined and fastened together that they can be applied at any place upon a shaft after the shaft is already in position.

The construction which I have illustrated herein as one embodiment of my invention comprises two side brackets and a bottom plate. The side brackets are fastened together by transverse bolts, and the bottom plate is fastened in place on the lower ends of the four corner posts or arms by means of tap-bolts. The side brackets are provided with inwardly-facing ledges, and the center screws which support the box or bearing are supported by these ledges and by the bottom plate, respectively.

Referring to the accompanying drawings and in detail, a shaft-hanger constructed according to this invention, as herein illustrated, comprises side brackets B, each of which has two downwardly-extending posts or corner-pieces 10. At their upper ends the side brackets B are provided with ceiling-bolts having perforations 11.

Extending in from each of the side brackets B is a ledge 12. The ledges 12 abut against each other to form a shelf or support and held in place in a socket, one-half of which is bored out. In each of the ledges 12 is a nut 15.

The side brackets B are fastened together by means of nuts threaded onto the transverse bolts 13, and the fastening of the side brackets also holds the nut 15 in place in its socket.

Bolted onto the lower ends of the corner pieces or arms 10, by means of tap-bolts 14, is a bottom plate P. The bottom plate serves to stiffen and strengthen the construction, and in connection with the transverse bolts 13 the bottom plate fastens the side brackets to form a comparatively stiff and rigid structure. The bottom screw S is threaded into the bottom plate P, and the center screws S and T cooperate to hold the bearing-box R, which may be of any of the ordinary or approved constructions.

In the use of the completed shaft-hanger it will be seen that the hanger may be taken apart so that it can be put in place at any point in the length of a shaft even after the shaft is already mounted in position.

In the drawings I have shown the bearing-box, which is supported in the hanger-bracket, as formed in one integral piece or ring, and in order to apply this form of construction to intermediate points on a shaft it is necessary that the bearing-rings should first be threaded onto the shaft approximately in the desired positions before the shaft is put up. I do not wish, however, to be limited to the use of the particular ring bearing-box that I have illustrated, as it is obvious that different forms of bearing-boxes may be used in connection with my hanger-bracket.

I am aware that changes may be made in the proportions of the parts by those who are skilled in the art without departing from the scope of my invention as expressed in the claims. I do not wish, therefore, to be limited to the particular details of construction which I have herein shown and described; but

What I do claim, and desire to secure by Letters Patent of the United States, is—

1. As an article of manufacture, a shaft-

hanger comprising two brackets, each having an inwardly-facing ledge, said ledges abutting to form a support, and each bracket having two downwardly-extending arms, transverse bolts  
5 fastening the brackets together, a bottom plate connecting the lower ends of the arms, bolts fastening the bottom plate in place, a center screw supported by the ledges, and a center screw tapped into the bottom plate, said cen-  
10 ter screws coöperating to support a bearing box or ring.

2. As an article of manufacture, a shaft-hanger comprising two brackets, each having an inwardly-facing ledge, a nut fastened in  
15 place in a socket between said ledges, and a center screw threaded into said nut and coöperating with a bottom center screw to support a bearing or box.

3. As an article of manufacture, a shaft-hanger comprising two brackets, each having 20 an inwardly-facing ledge with a recess in the face of each ledge, a nut secured in place by the sockets formed by said recess, a center screw threaded into said nut, each of the brackets having two downwardly-extending 25 arms, a bottom plate, a center screw threaded into the bottom plate, transverse bolts for fastening the brackets together, and tap-bolts for fastening the bottom plate in place.

In testimony whereof I have hereunto set 30 my hand in the presence of two subscribing witnesses.

WINFIELD S. ROGERS.

Witnesses:

DAISY C. ROURKE,  
W. CHAS. ADAMS.