(No Model.)

W. BYNON.

SHAFT HANGER.

No. 529,319. Patented Nov. 13, 1894.

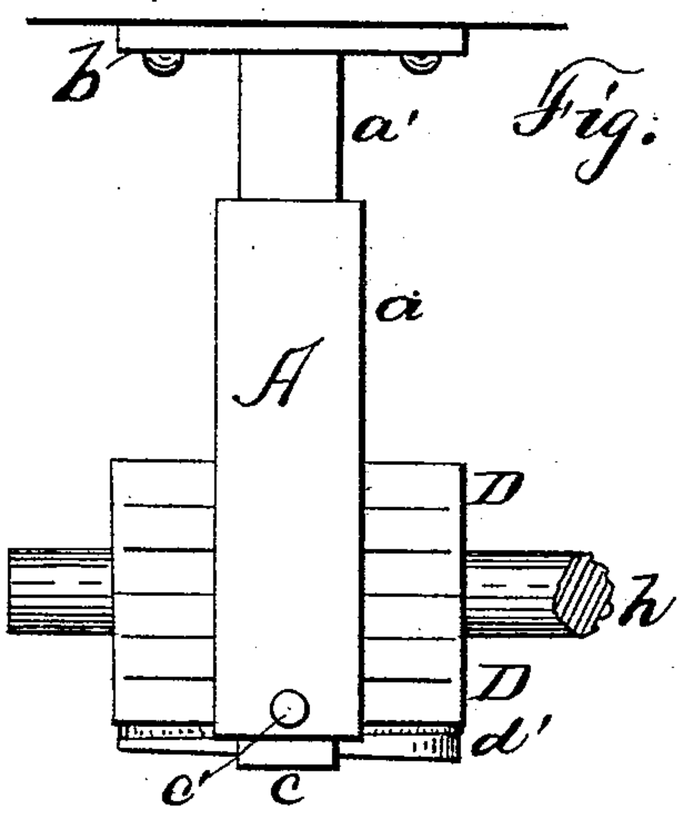

Fig. 1.

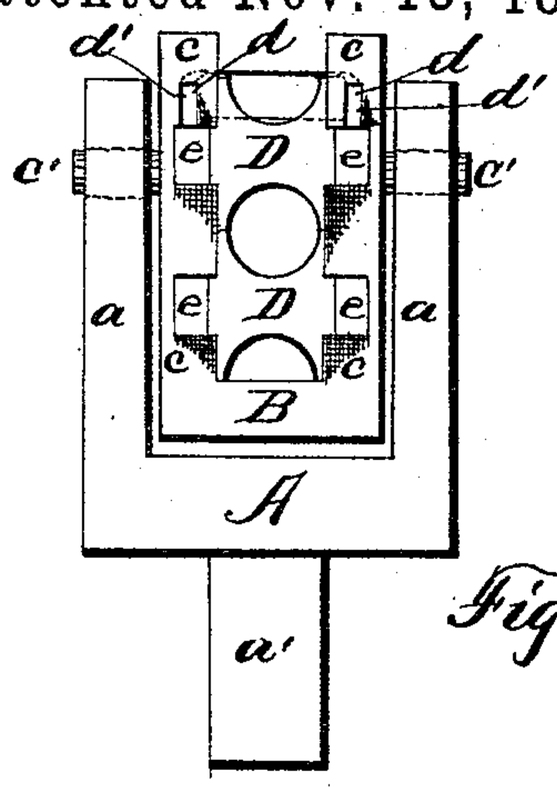

Fig. 2.

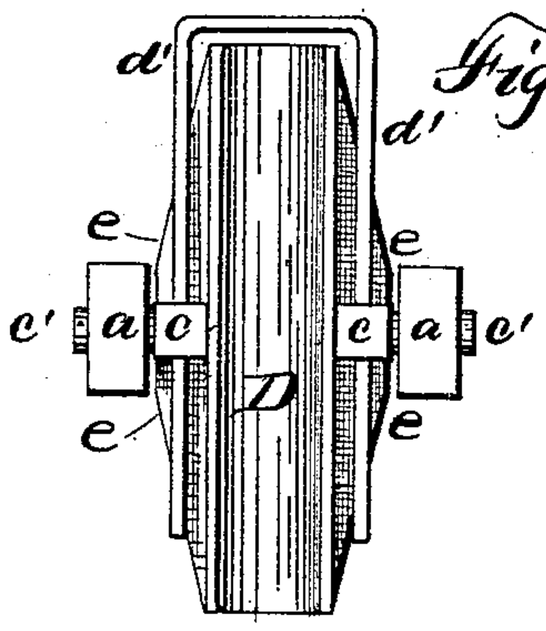

Fig. 3.

Fig. 4.

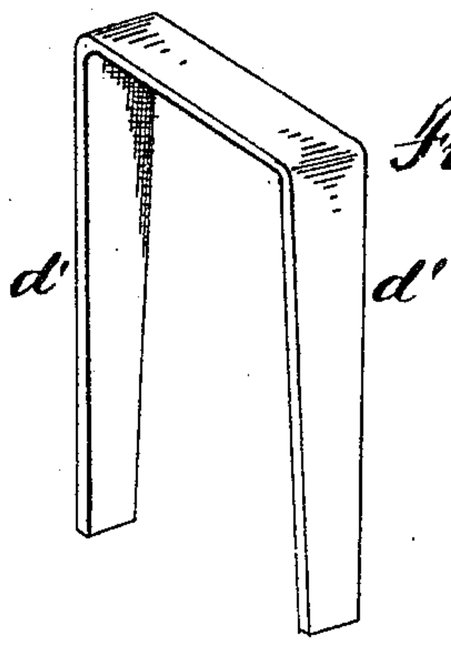

Fig. 5.

WITNESSES:
Jesse E. Murray
E. S. Borst

INVENTOR
William Bynon
BY
Smith & Denison
his ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM BYNON, OF OLYPHANT, PENNSYLVANIA, ASSIGNOR OF TWO-THIRDS TO JOSEPH A. DOLPHIN AND THOMAS F. JORDAN, OF SAME PLACE.

SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 529,319, dated November 13, 1894.

Application filed January 22, 1894. Serial No. 497,595. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BYNON, of Olyphant, in the county of Lackawanna, in the State of Pennsylvania, have invented new and useful Improvements in Shaft-Hangers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to shaft hangers and particularly to that class embodying a rocking or oscillating bearing.

My object is to produce a hanger comprising a stationary U-shaped body, provided with parallel legs, a U-shaped bearing support, provided with laterally projecting trunnions which are journaled in said legs, box-sections inserted into said support and an adjusting key, inserted through mortises in the arms of said support and engaging with the outermost box-section, all in such manner that the inequalities in the rotating shaft will cause said support to rock, swing or oscillate in or upon said body.

My invention consists in the several novel features of construction and operation hereinafter described and which are specifically set forth in the claims hereunto annexed.

It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of a hanger suspended and part of a shaft. Fig. 2 is a front elevation of the hanger inverted. Fig. 3 is a top plan of the same. Fig. 4 is a plan perspective of a box-section. Fig. 5 is a plan perspective of a key.

A— is the body, substantially U-shaped, having the parallel side legs —*a*— and shank —*a'*— adapted to be connected to a block —*b*— for suspension, or to be inserted into or secured to, any kind of suitable socket or other supporting means when inverted as shown in Fig. 2.

B— is the bearing support, also substantially U-shaped, and having the parallel side arms —*c*— and trunnions —*c'*— projecting outwardly therefrom and journaled in said legs so that said support will rock, swing or oscillate freely thereon between said legs. Said arms are also provided with mortises —*d*— which receive the tapered key or keys —*d'*—.

D—D— are the box-sections, shown as concaved on two faces to adapt them to fit shafts of differing radius, and also provided with lugs or ears —*e*— upon their opposite plane faces, having a space between them of such width as to freely receive one of the arms —*c*—. When the shaft —*h*— is inserted the outermost box is adjusted to it, and held in position by the key, which engages with it.

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

1. A shaft hanger comprising a body, provided with parallel legs, a swinging box-support having parallel arms, trunnions thereon journaled in said legs, box-sections fitting between said arms and carried by said support and a key inserted through said arms and engaging with one of the box-sections.

2. A shaft hanger comprising a body provided with parallel legs, a box-support having parallel arms, trunnions thereon journaled in said legs and upon which said support oscillates; box-sections fitting between said arms and provided with lateral lugs engaging with them, and a key inserted through said arms and engaging with the outer box-sections, in combination with a shaft.

In witness whereof I have hereunto set my hand this 18th day of December, 1893.

his
WILLIAM × BYNON.
mark

In presence of—
THOS. A. TELFORD,
M. W. CUMMINGS.