

No. 750,153.

PATENTED JAN. 19, 1904.

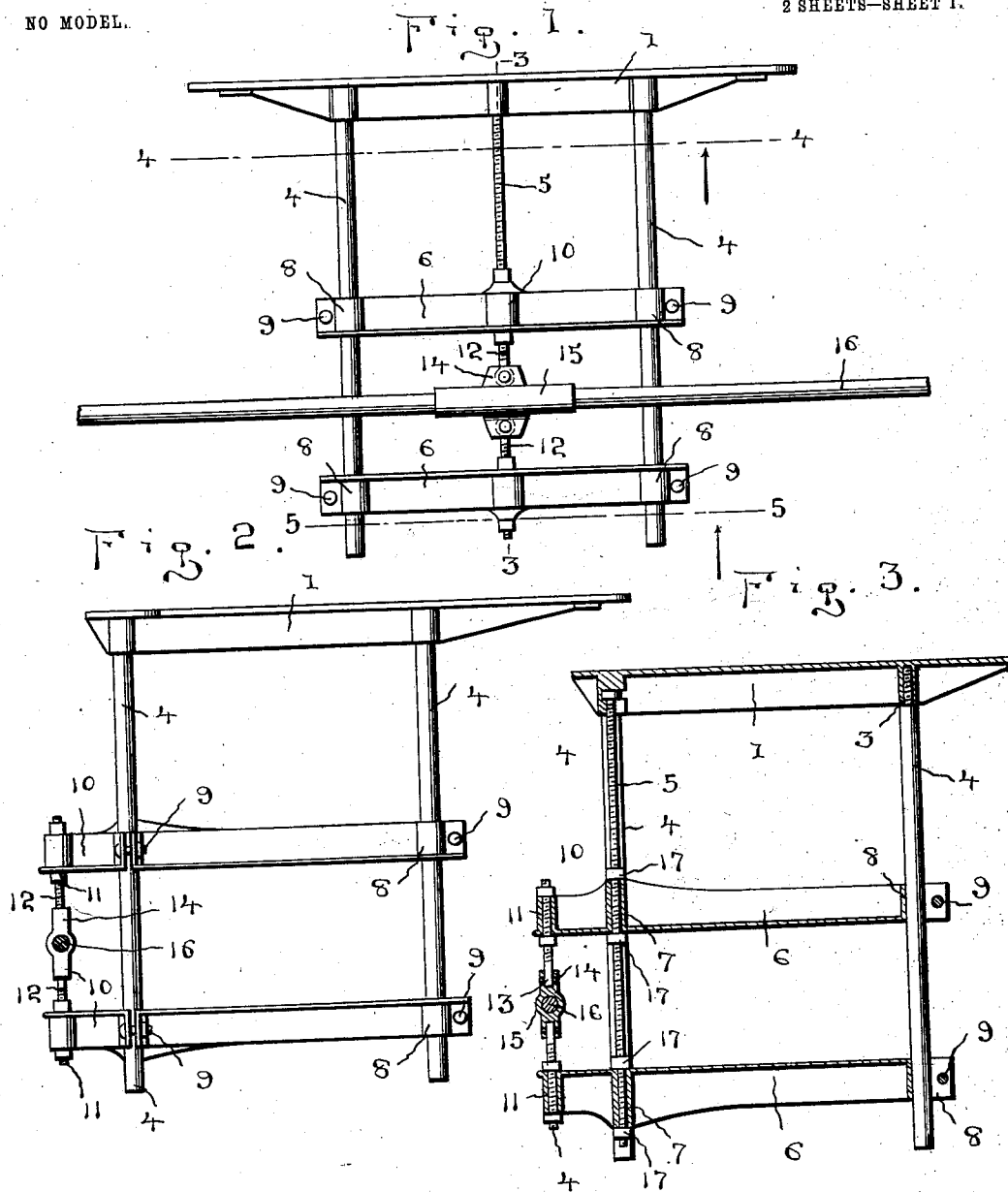
J. W. BECHTOL & J. C. MANLEY.

SHAFT HANGER.

APPLICATION FILED AUG. 29, 1903.

2 SHEETS—SHEET 1.

NO MODEL.



Witnesses

J. W. Bechtol
Hubert D. Lawrence

Joseph W. Bechtol
James C. Manley
Victor J. Evans
Attorney

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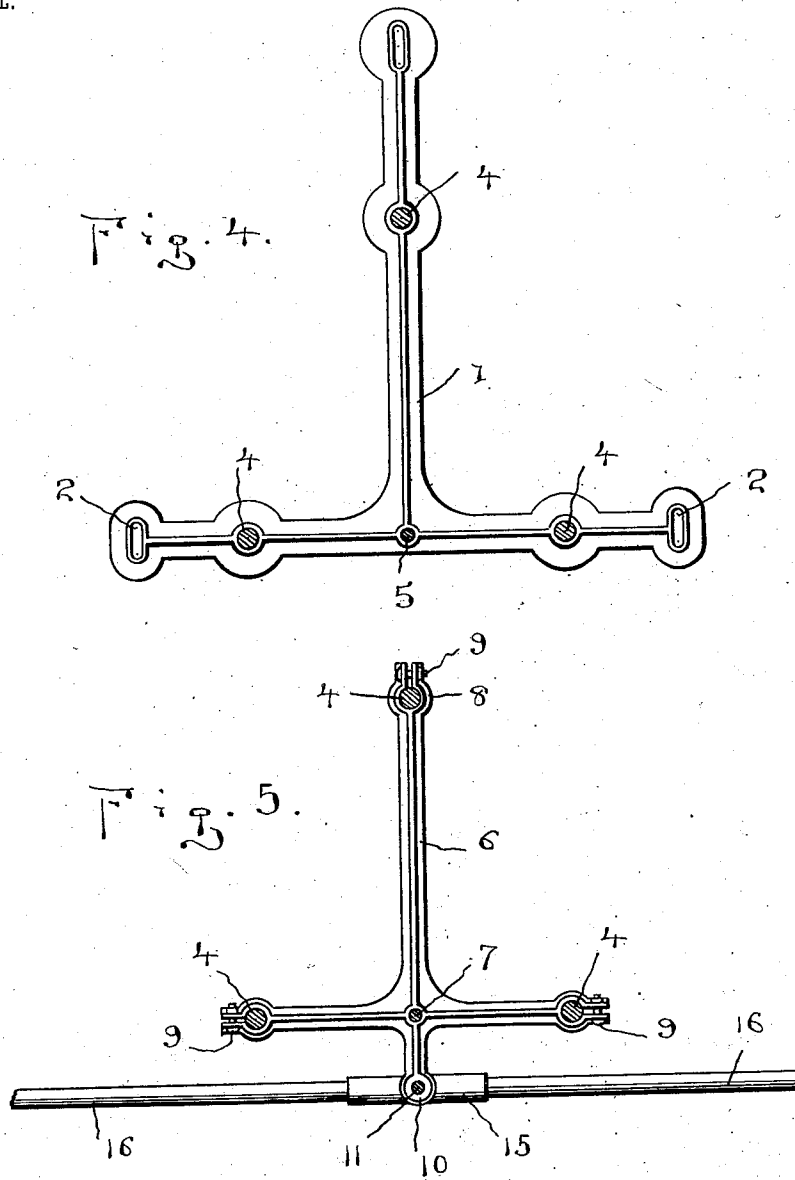
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SHAFT HANGER.

APPLICATION FILED AUG. 29, 1903.

2 SHEETS—SHEET 2.

NO MODEL.



Witnesses

J. W. Bechtol
Herbert D. Lawson

Inventors
Joseph W. Bechtol.
James C. Manley.
By *Victor J. Evans*
Attorney

UNITED STATES PATENT OFFICE.

JOSEPH W. BECHTOL AND JAMES C. MANLEY, OF TACOMA, WASHINGTON.

SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 750,153, dated January 19, 1904.

Application filed August 29, 1903. Serial No. 171,284. (No model.)

To all whom it may concern:

Be it known that we, JOSEPH W. BECHTOL and JAMES C. MANLEY, citizens of the United States, residing at Tacoma, in the county of Pierce and State of Washington, have invented new and useful Improvements in Shaft-Hangers, of which the following is a specification.

Our invention relates to new and useful improvements in shaft-hangers; and its object is to provide a simple and inexpensive device of this character which may be securely fastened in position and which is so constructed as to eliminate all lateral vibration and which holds the shaft-bearings in such a position as to permit ready access thereto.

Another object is to provide means whereby the bearing of the shaft can be adjusted vertically to a desired plane, thereby permitting the shaft to be easily alined.

With the above and other objects in view the invention consists in the novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of our invention, and in which—

Figure 1 is a front elevation of our improved hanger, showing a shaft supported thereby. Fig. 2 is a side elevation thereof, the shaft being shown in section. Fig. 3 is a section on line 3 3, Fig. 1. Fig. 4 is a section on line 4 4, Fig. 1; and Fig. 5 is a section on line 5 5, Fig. 1.

Referring to the figures by numerals of reference, 1 is a securing-plate, preferably T-shaped in form and having slots 2 at the ends thereof for the reception of securing-bolts, whereby the same may be firmly fastened to a floor or ceiling. Each arm has a screw-threaded stem 3 projecting therefrom, to which is fastened a tubular hanger 4. A screw-threaded rod 5 is swiveled to the plate 1 at the point of conjunction of the arms thereof and is preferably parallel with the hangers 4. Similar brackets 6 are adjustably mounted upon the hangers. Each of these brackets is formed, preferably, of a single casting having oppositely-extending arms, between which is formed a threaded passage 7, extending there-through for the reception of the rod 5. The ends of the arms are forked, as shown at 8,

and are adapted to clasp the hangers 4 and be clamped thereon by means of bolts 9, which extend therethrough. An extension 10 is formed upon each casting, preferably in alignment with one of the arms, and this extension has a threaded passage 11, adapted to receive a threaded stem 12, having an eye 13, which is fastened in any suitable manner between ears 14, arranged upon one side of the bearing 15 of a shaft 16. When it is desired to adjust the shaft to a desired elevation, the bolts 9 are loosened, so as to permit the brackets 6 to slide upon the hangers 4. The nuts 17, which are arranged on rod 5, at opposite sides of each bracket 6, are then turned, so as to raise or lower the brackets, as desired, and after they have assumed their proper positions the forked ends of the brackets are again clamped upon hangers 4. Stems 12 are then adjusted within the extensions 10, so as to hold the bearing at a desired point between the brackets. By providing three hangers which are rigidly connected to a securing-plate lateral vibration of the shaft supported thereby is prevented. By arranging the bearing at a point removed from the hangers access thereto and to its various connections may be readily obtained.

It will be seen that the device is extremely simple and inexpensive in construction and will rigidly support a shaft in proper position. By means of the device the shaft may be quickly adjusted and held in proper alignment.

In the foregoing description we have shown the preferred form of our invention; but we do not limit ourselves thereto, as we are aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and we therefore reserve the right to make such changes as fairly fall within the scope of our invention.

Having thus described the invention, what is claimed as new is—

1. In a shaft-hanger, the combination with a securing-plate; of hangers detachably connected thereto, a threaded rod swiveled within the plate and depending therefrom, brackets having forked ends adjustably mounted upon the hangers, said brackets engaging and adapt-

ed to be adjusted by the rod, oppositely-dis-
posed stems adjustably secured to the brackets
at points removed from the hangers, and a
bearing interposed between and secured to the
5 stems.

2. In a shaft-hanger, the combination with
a securing-plate; of hangers detachably se-
cured to said plate, brackets having forked
ends engaging the hangers, means for clamp-
10 ing said ends upon the hangers, a threaded ad-
justing-rod swiveled to the plate and project-
ing through and engaging the brackets, said

brackets having extensions projecting beyond
the hangers, oppositely - arranged stems ad-
justably mounted within the extensions, and 15
a shaft-bearing interposed between and se-
cured to the stems.

In testimony whereof we affix our signa-
tures in presence of two witnesses.

JOSEPH W. BECHTOL.

JAMES C. MANLEY.

Witnesses:

A. M. RICHARDS,

F. N. BLATTNER.