No. 606,941. Patented July 5, 1898.

M. O. REEVES.

HANGER.

(Application filed Feb. 26, 1898.)

(No Model.)

Fig. 1.

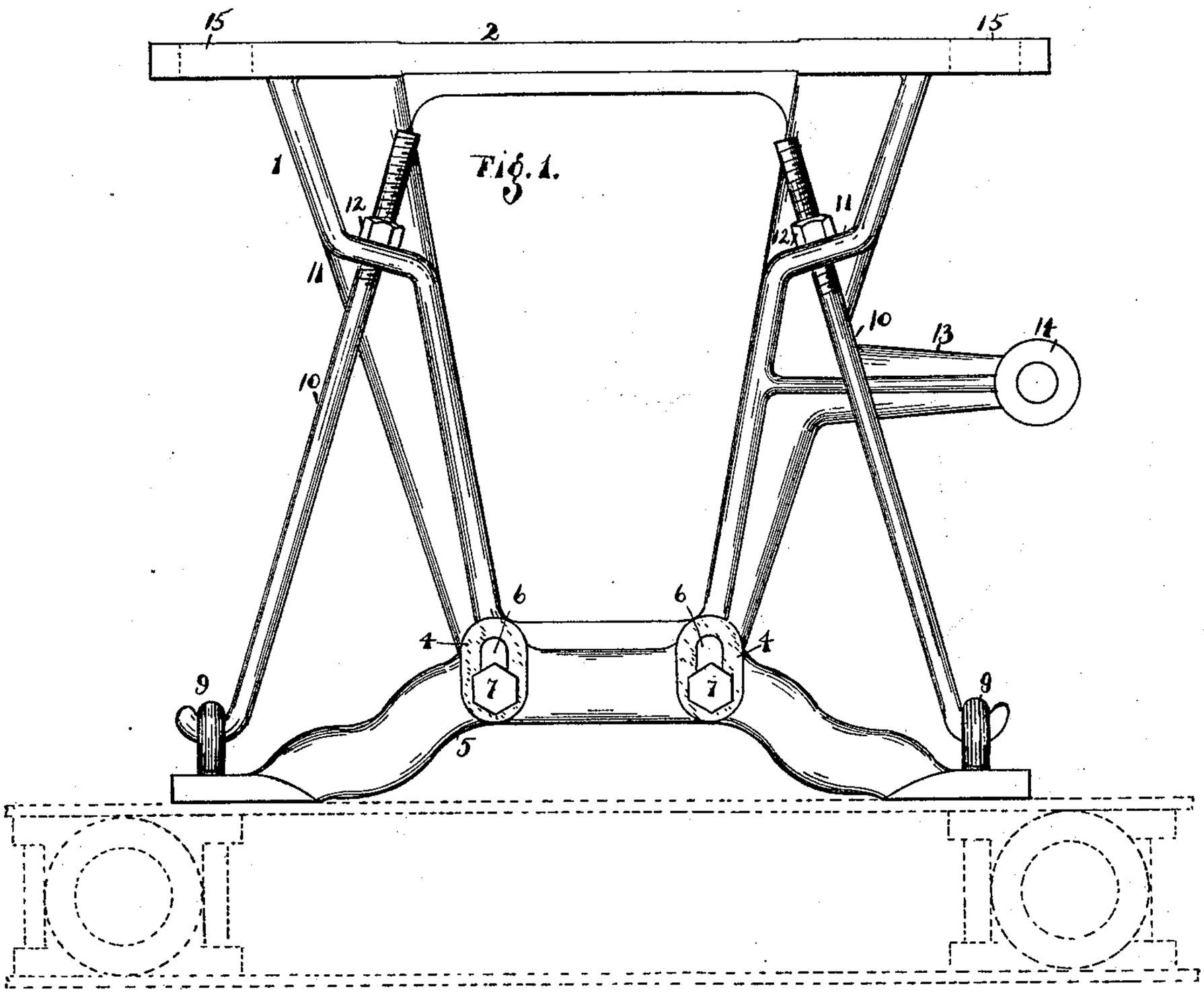
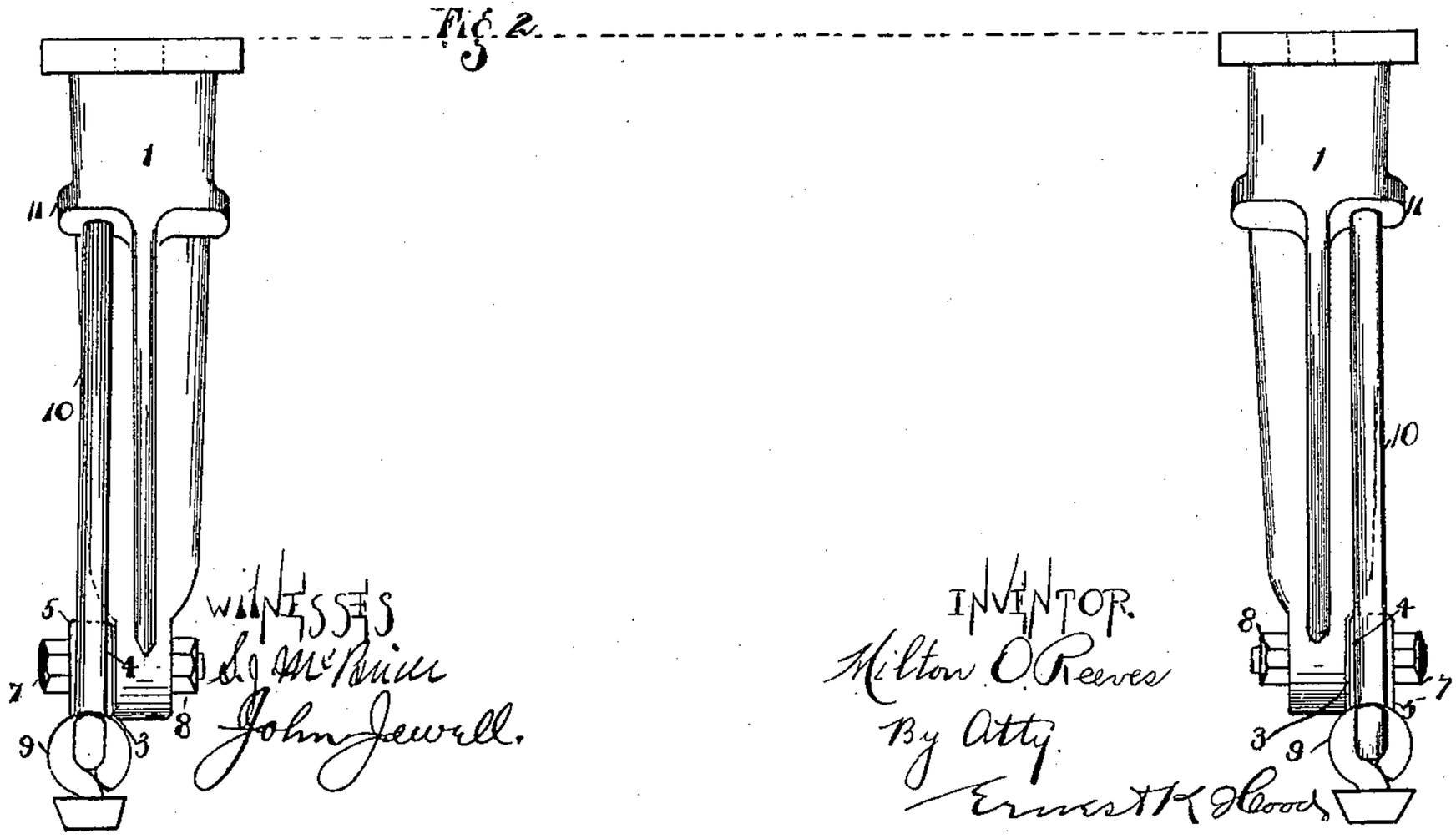


Fig. 2.



WITNESSES
L. J. McPhillips
John Jewell.

INVENTOR.
Milton O. Reeves
By Atty.
Ernest K. Hood.

UNITED STATES PATENT OFFICE.

MILTON O. REEVES, OF COLUMBUS, INDIANA, ASSIGNOR TO THE REEVES PULLEY COMPANY, OF SAME PLACE.

HANGER.

SPECIFICATION forming part of Letters Patent No. 606,941, dated July 5, 1898.

Application filed February 26, 1898. Serial No. 671,822. (No model.)

To all whom it may concern:

Be it known that I, MILTON O. REEVES, a citizen of the United States of America, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented certain new and useful Improvements in Hangers, of which the following is a specification.

The object of my invention is to provide a hanger, composed of the minimum number of parts, which possesses all of the adjustments necessary to line and level a shaft or any device suspended from said hanger, and, further, to provide a light and strong device.

My invention consists in the combination and arrangement of parts hereinafter described and claimed.

The hanger as shown in the drawings is modified for use in suspending a variable-speed counter-shaft frame such as shown and described in Letters Patent No. 588,354, issued to myself and E. K. Hood, August 17, 1897; but it will be understood that by merely modifying the shape of the foot-piece or by providing such connections as are necessary the ordinary line-shaft box may be supported upon said hanger.

In the drawings, Figure 1 is a side elevation of the device, showing the outline of the counter-shaft frame secured thereto in dotted lines; and Fig. 2 is an end elevation of two hangers in operative position.

My improved hanger primarily consists of an approximately V-shaped casting or main part 1, provided with a base portion 2, adapted to be bolted to a supporting structure. The lower end of casting 1 is provided with finished surface-lugs 3, adapted to bear against finished surface-lugs 4, carried by foot or auxiliary piece 5. This foot-piece 5 is provided with slots 6, centrally located within lugs 4, through which pass bolts 7, which are secured to the casting 1 and are provided with nuts 8, adapted to clamp the foot-piece 5 to the main casting 1. The slots 6 are wider than the diameter of the bolts 7, so that it is possible to tilt the foot-piece upward or downward in a plane parallel with the plane of the hanger proper, thus enabling the leveling of the foot-piece irrespective of the position of the main casting. The bolts 7 may then be tightened, thus bringing the surfaces 3 and 4 into frictional contact, whereby the foot-piece is held rigidly in the desired position. This foot-piece may be of any construction applicable to the device to be secured to the hanger. In order to facilitate the tilting of said foot-piece and also for the purpose of strengthening the device, I provide eyebolts 9, adapted to be secured to the foot-piece 5 at some point outside of the slotted surfaces 4. These eyebolts may be secured to said foot-piece either rigidly or frictionally. Hooked into the eyebolts are wrought rods 10, threaded at their upper ends and taking through lugs or bosses 11, projecting transversely from casting 1, slightly below the base part 2 and inclined so as to bring their faces at right angles to the axes of said bolts. Mounted upon the threaded portion of rods 10 are nuts 12, which are adapted to bear against the upper faces of lugs 11. It will be seen that by manipulating said nuts the eyebolts and foot-piece are raised or lowered, and can be so actuated with any weights suspended therefrom which the hanger is capable of supporting.

In operation the casting 1 is bolted to a supporting frame or timber, and the foot-piece 5 and device to be suspended are then secured thereto by means of bolts 7 and eyebolts 9 and wrought rods 10. Now to level the foot-piece bolts 7 are loosened and the nuts 12 upon rods 10 are manipulated until the foot-piece is drawn into the desired position. After this position has been reached the bolts 7 are tightened and the device to be suspended is rigidly held in the proper position.

For the purpose of lining two hangers with a shaft or with any other object I provide the usual slots 15 in the base-piece 2, through which pass the bolts for securing a hanger to its support. These slots are larger than the diameter of the bolts which pass through them, so as to allow a limited free movement of the hanger. After the hanger has been properly lined these bolts are tightened.

In the drawings I have shown a ribbed extension 13 projecting from the main part of the hanger and provided with a boss 14, adapted to support the usual shifter-rod used in operating shifting belts or clutches common to counter-shafts.

The hanger may be modified for any specific

use by changing the shape of the foot-piece or by adding to the foot-piece the desired-shaped piece.

The essential features of my hanger are its adjustability and strength. The wrought rods connected with the eyebolts serve the triple function of adding strength, acting as safety-catches in case any of the parts below their support on the main casting should be broken, and as adjusting-rods.

I have shown a preferred form of construction consisting of the T-iron style of casting.

I claim as my invention—

1. In a hanger the combination of a main part provided with transversely-projecting lugs, an auxiliary part provided with one or more vertically-slotted openings, a bolt or bolts passing through said openings and secured to the main part, threaded truss-rods secured to the ends of said auxiliary part and passing through the transversely-projecting lugs, and nuts mounted on said rods and taking against said lugs, substantially as shown and described.

2. In a hanger, the combination of a main part, 1, provided with angular bosses, 11, an auxiliary part, 5, provided with slotted openings, 6, bolts, 7, passing through said slots and into the main part, eyebolts, 9, secured to the outer ends of the auxiliary part, 5, and hook-bolts, 10, passing through lugs, 11, and nuts, 12, carried by said hook-bolts and taking against said lugs, substantially as shown and described.

MILTON O. REEVES.

Witnesses:
H. C. REEVES,
S. J. MCBRIDE.