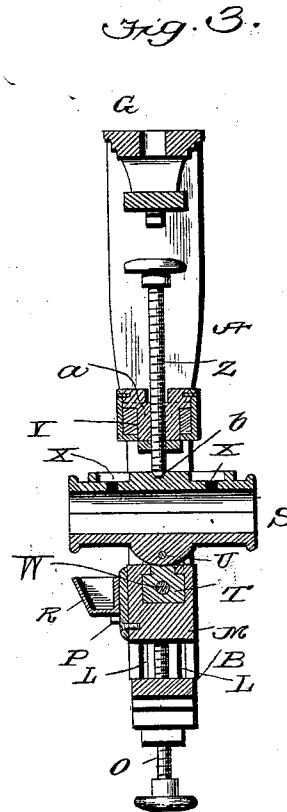
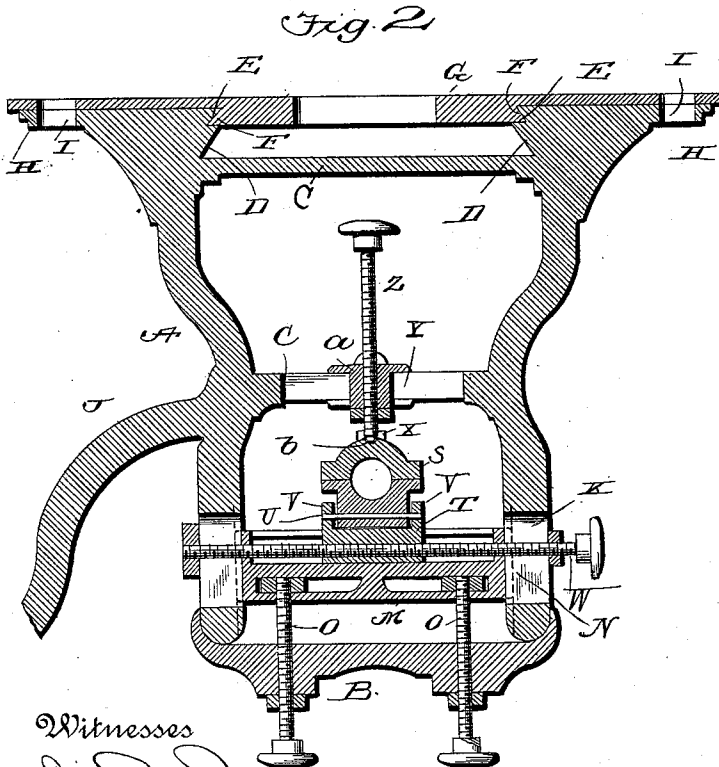
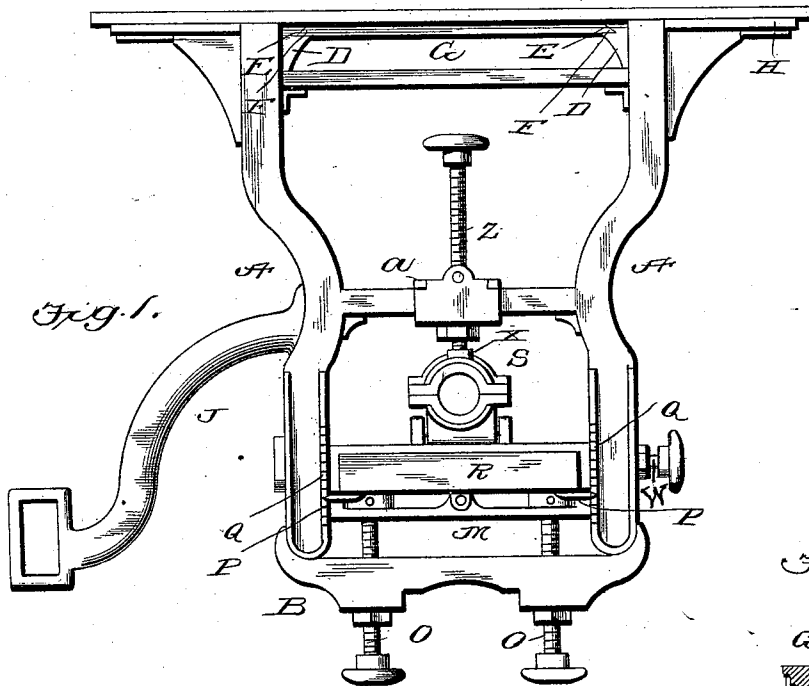


(No Model.)

H. EVERLINE.
SHAFT HANGER.

No. 539,045.

Patented May 14, 1895.



Witnesses

John D. Bishop

Inventor
Henry Everline
By *Walter N. Calhoun*

Attorney

UNITED STATES PATENT OFFICE.

HENRY EVERLINE, OF PHILADELPHIA, PENNSYLVANIA.

SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 539,045, dated May 14, 1895.

Application filed June 14, 1893. Serial No. 477,522. (No model.)

To all whom it may concern:

Be it known that I, HENRY EVERLINE, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Shaft-Hangers, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in shaft hangers and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, which fully illustrate my invention, Figure 1 is an elevation of my improved shaft-hanger. Fig. 2 is a vertical section of the same, taken transversely of the shaft; and Fig. 3 is a vertical section taken longitudinally of the shaft.

The frame of my improved hanger consists essentially of the side bars A, the bottom B and the braces C. The side bars are provided at their upper ends, on their inner faces, with the projections D having dovetailed notches E adapted to engage the beveled edges F of a strip or block G which is secured to the ceiling. The side bars are further provided at their upper ends, with the lateral extensions H having slots I through which fastening screws are inserted into the ceiling to secure the hanger in place. One of the side bars, furthermore, is provided with an outwardly and downwardly extending handle J, as shown.

In fitting a shop with my improved hangers, the strips or blocks G are first secured in place and the hanger is then moved bodily sidewise, by means of the handle J, so that the notches E will engage the block G and thus support the hanger, after which the fastening screws are inserted so as to prevent the accidental displacement of the device.

In their lower ends, the side bars are provided with the vertical longitudinal slots K and they have vertical longitudinal grooves L in their inner faces. The journal support M is arranged between the lower ends of the side bars and is provided at its ends with the ribs N which engage the grooves L in the side bars and thereby guide the said support in its movements and prevent oscillation of the same. The journal support is held adjustably in the frame by means of the screws

O which are mounted in the bottom B and have their upper ends enlarged and bearing against the bottom of the support. In order that it may be accurately determined that the said support is level, I provide the pointers P at the opposite ends of the same which move in front of the scales Q marked or otherwise formed on the faces of the side bars. These pointers P may be secured or formed directly on the side of the journal support, but, for convenience, I secure them to the ends of a drip cup R which is secured to the side of the journal support as clearly shown. Moreover, the pointers could be dispensed with and the lower edge of the support compared with the scales to ascertain its level condition.

The shaft is mounted in a journal box S which is carried by a slide T mounted in the journal support M. The journal box has a lug U on its under side which is pivoted between two ears V on the slide T so that an inclined shaft can be accommodated. The slide is engaged and operated by a screw W which is mounted in the support M and projects through and plays in the slots in the side bars of the frame. The journal box is provided with oil cups X on its upper side through which a lubricant is admitted to the shaft.

The lower transverse brace C is provided with a longitudinal slot Y through which a vertical screw Z passes, the said screw being mounted in a slide or nut *a* which moves upon the said brace. The lower end of the screw engages a socket *b* in the top of the journal box so that when the screw is turned home, the said journal box will be secured firmly in place and the shaft thus caused to run steadily and smoothly.

All the adjusting screws are provided with jam nuts to prevent them from becoming loose after being adjusted.

The advantages of my improved shaft hanger will be readily understood from the foregoing description taken in connection with the accompanying drawings.

The device can be rapidly and easily fitted in place and the journal box can be accurately adjusted so as to hold all the belts taut and to compensate for the stretching of the same.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

- 5 1. The combination of the frame having vertically slotted side-bars, a vertically adjustable journal box support guided in said frame, adjusting screws for effecting the vertical movement of said support, a transversely adjustable slide adapted to guide-ways in said support, a journal box, carried
10 by said slide, a securing screw for the journal box and a transversely adjustable nut mounted on the frame and carrying said screw, substantially as specified.
- 15 2. The combination of the frame, having vertically slotted side bars, a journal box sup-

port M guided in said frame, adjusting screws O carried by the frame, and engaging the said support, ears V on said slide, an adjusting screw W for moving said slide, a journal box S pivoted between the ears V, a transversely movable slide or nut *a* and a securing screw Z carried by said slide or nut and adapted to engage with the journal box, substantially as specified.

In testimony whereof I affix my signature in the presence of two witnesses.

HENRY EVERLINE.

Witnesses:

JOHN JOS. ELLIS,
THEODORE BECKER.