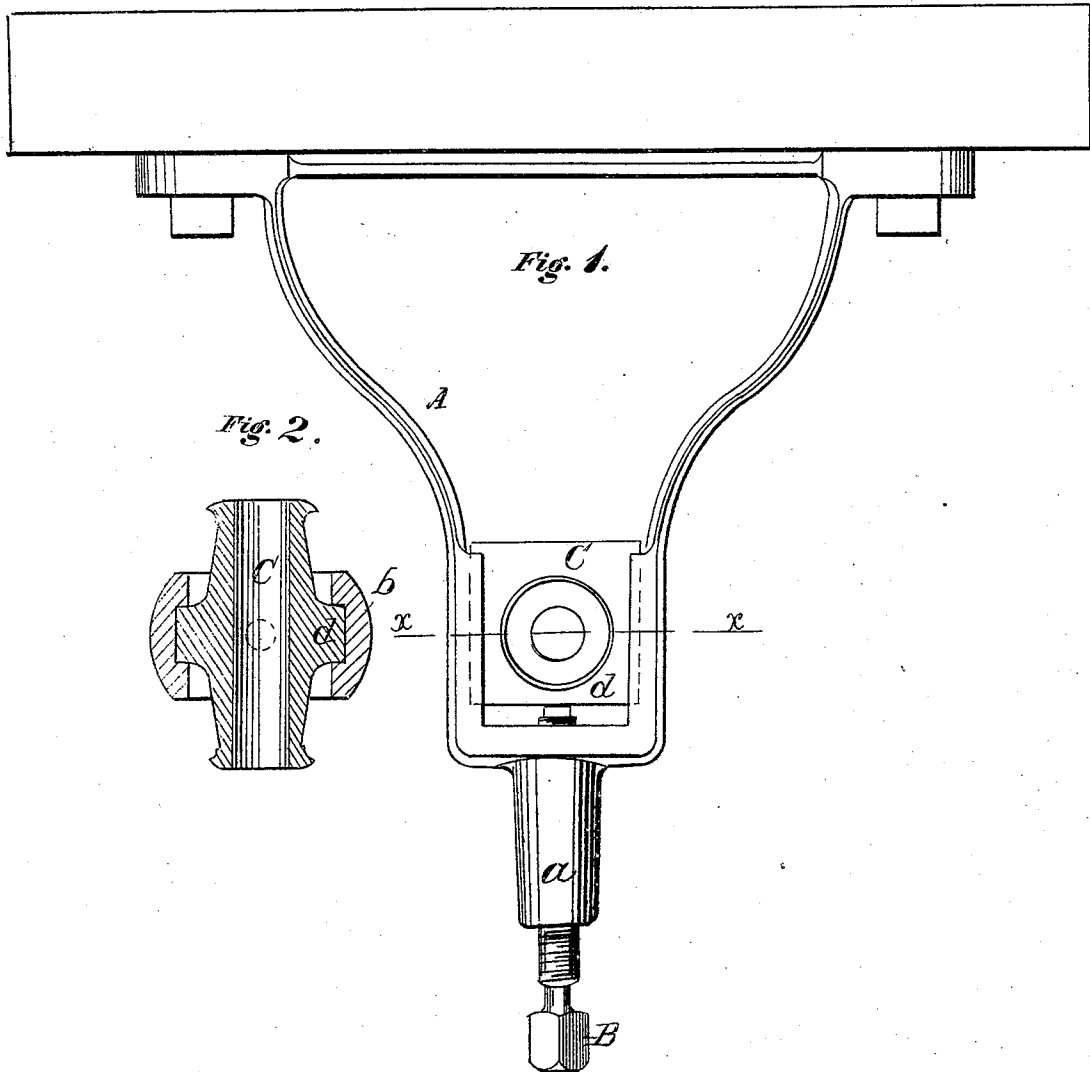


E. M. Mayo,
Shaft Hanger.

No. 92,858.

Patented July 20, 1869.



Witnesses,

P. T. Dodge,
L. Hailer.

Inventor, *E. M. Mayo*
by *Dodges Munroe*
his atty

United States Patent Office.

E. M. MAYO, OF CINCINNATI, OHIO.

Letters Patent No. 92,858, dated July 20, 1869.

IMPROVEMENT IN HANGERS FOR SHAFTING.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, E. M. MAYO, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented certain new and useful Improvements in Hangers for Shafting; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

My invention relates to devices for tightening or adjusting the driving-belts of machinery, and consists in a novel manner of constructing a hanger, provided with an adjustable box or bearing, so as to allow the shaft and pulleys to be raised or lowered, as occasion requires.

Figure 1 is a side elevation of my improved hanger, and

Figure 2, a transverse section of the same, on the line *xx* of fig. 1.

In constructing my device, I provide a hanger, A, of the form shown in the drawings, and cast in one piece.

The lower ends of the arms of the hanger I make of increased thickness, and parallel to one another, as shown in fig. 1.

In the inside adjacent faces or sides of these thickened ends, I make grooves *b*, as in fig. 2.

On the lower end of the hanger I form a neck, *a*, and pass through it, vertically, a screw, B, as shown in figs. 1 and 2.

The upper end of this screw projects up through between the grooved ends, and its lower end is provided with a suitable head, so that a wrench may be applied thereto. I next provide a box or bearing, C, having at its middle a rectangular enlargement, *d*.

This box, C, I drop into and between the grooved arms of the hanger, on top of the screw B, as shown in figs. 1 and 2.

The grooves *b* serve to retain the box in the required position, and prevent its lateral movement, but allow the block to rise or fall according as the screw is turned up or down.

It will be seen that if a shaft, provided with pulleys, be mounted in these hangers, it may, by simply turning the screws, be raised or lowered, and thus any required degree of tension brought on the belts passing over said pulleys.

My hanger consists of but three pieces, is strong, cheap, and efficient, and is adapted for use wherever the common article can be attached.

Instead of the screw B, it is evident that a cam may be applied to operate the block or box C, this modification, however, not being considered desirable.

Having thus described my invention,

What I claim, is—

A hanger, for shafting, consisting of the frame A, having grooves, *b*, formed therein, and the sliding box C, with set-screw B, constructed and arranged substantially as described.

E. M. MAYO.

Witnesses:

L. B. LEONARD,
H. A. EDWARDS.