

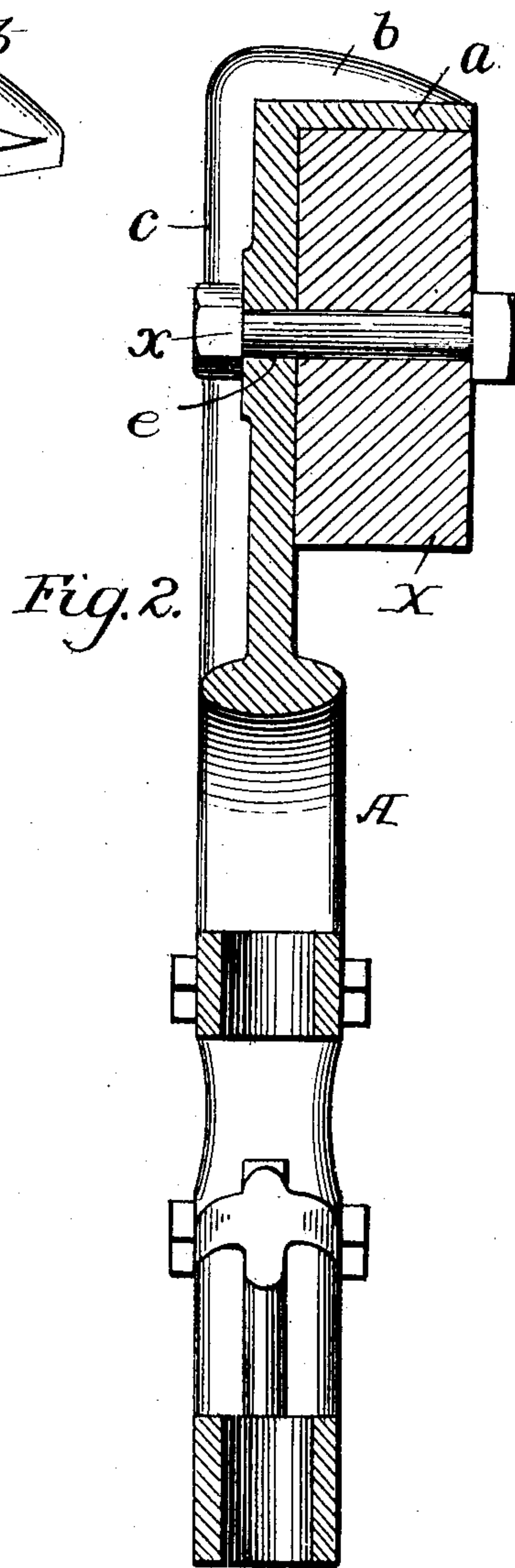
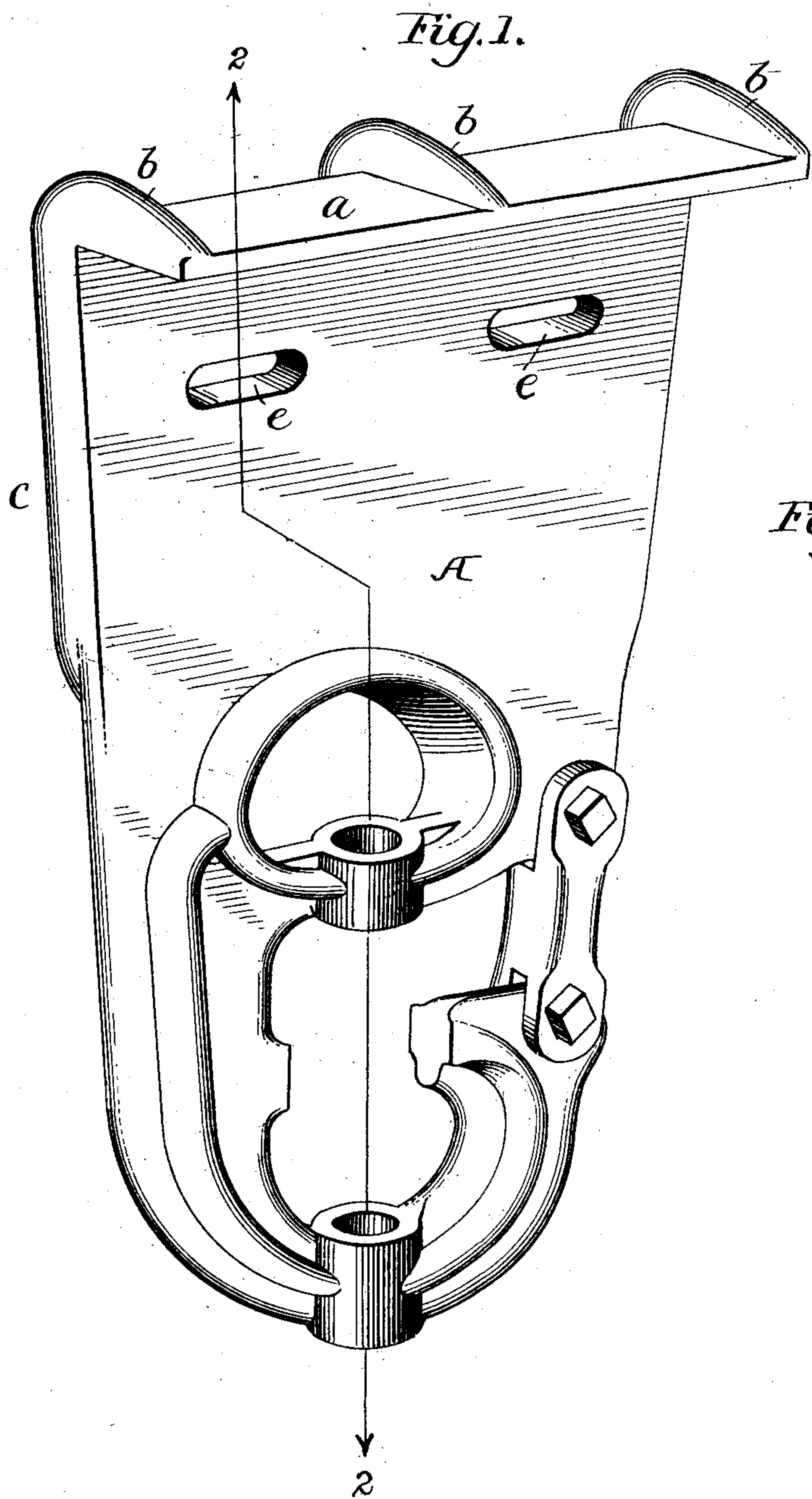
No. 685,312.

Patented Oct. 29, 1901.

A. WEED.
SHAFTING HANGER.

(Application filed Mar. 30, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

ALFRED WEED, OF ANDERSON, INDIANA.

SHAFTING-HANGER.

SPECIFICATION forming part of Letters Patent No. 685,312, dated October 29, 1901.

Application filed March 30, 1901. Serial No. 53,668. (No model.)

To all whom it may concern:

Be it known that I, ALFRED WEED, a citizen of the United States, residing at Anderson, in the county of Madison and State of Indiana, have invented certain new and useful Improvements in Shafting-Hangers, of which the following is a specification.

Heretofore shaft-hangers have been provided with flanges perforated for the passage of bolts upward through said flanges for attachment to joists or stringers, so that the whole support of the hanger is dependent upon the bolts, and if the latter become loose or give way the hanger is not properly supported, while any change in the position of the hanger (and such changes are frequently necessary) necessitates the boring of new bolt-holes, occupying considerable time and labor. In order to overcome these objections, I construct the hanger with a flange adapted to rest upon the upper edge of the joist or stringer, and with openings in the plate or body of the hanger for the passage of bolts laterally into the joist or stringer, as fully set forth hereinafter, and as illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a hanger; Fig. 2, a section on the line 2 2, Fig. 1, showing the hanger applied to a joist.

The body or plate A of the hanger is of any suitable construction, and at the lower end it has the bearings for the shaft or countershaft or has bearings for the shaft-box, as usual.

Along one side of the plate A, at the upper edge, extends a rib or flange *a*, the under side of which presents a face at right angles to the inner face of the plate A, and generally strengthening-ribs *b* extend across the upper side of the flange *a*, constituting prolongations of strengthening-ribs *c* upon the outer face of the frame. In the plate A are slots *e*.

The hanger is applied to a joist or stringer X, with the inner face of the plate A against the side of the joist and the under face of the flange *a* upon the upper edge of the joist, and the latter is bored transversely opposite the slots *e e* to receive bolts *x*, which clamp the hanger to the side of the joist or stringer. By this construction the entire weight of the hanger and shaft rests upon the upper face of the joist or stringer and is borne by the flange *a*, the bolts *x* being entirely relieved of the dead weight and serving merely to prevent the hanger from being carried sidewise away from the part to which it is attached. The said bolts, therefore, may be much lighter than those ordinarily used.

If it is necessary to change the alinement of the shaft at any time, this can be done by simply loosening the bolts, setting the hanger to the position required, and again tightening the bolts.

Without limiting myself to the precise construction and arrangement of parts shown, I claim as my invention—

A shaft-hanger consisting of a plate or frame constructed to support a shaft at the lower end and having at the upper edge a flange projecting at right angles from the inner face of the hanger, the said inner face and the under face of the flange adapted to the side and upper edge of a joist or stringer with openings in the plate for the passage of bolts laterally into the joist or stringer, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED WEED.

Witnesses:

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