

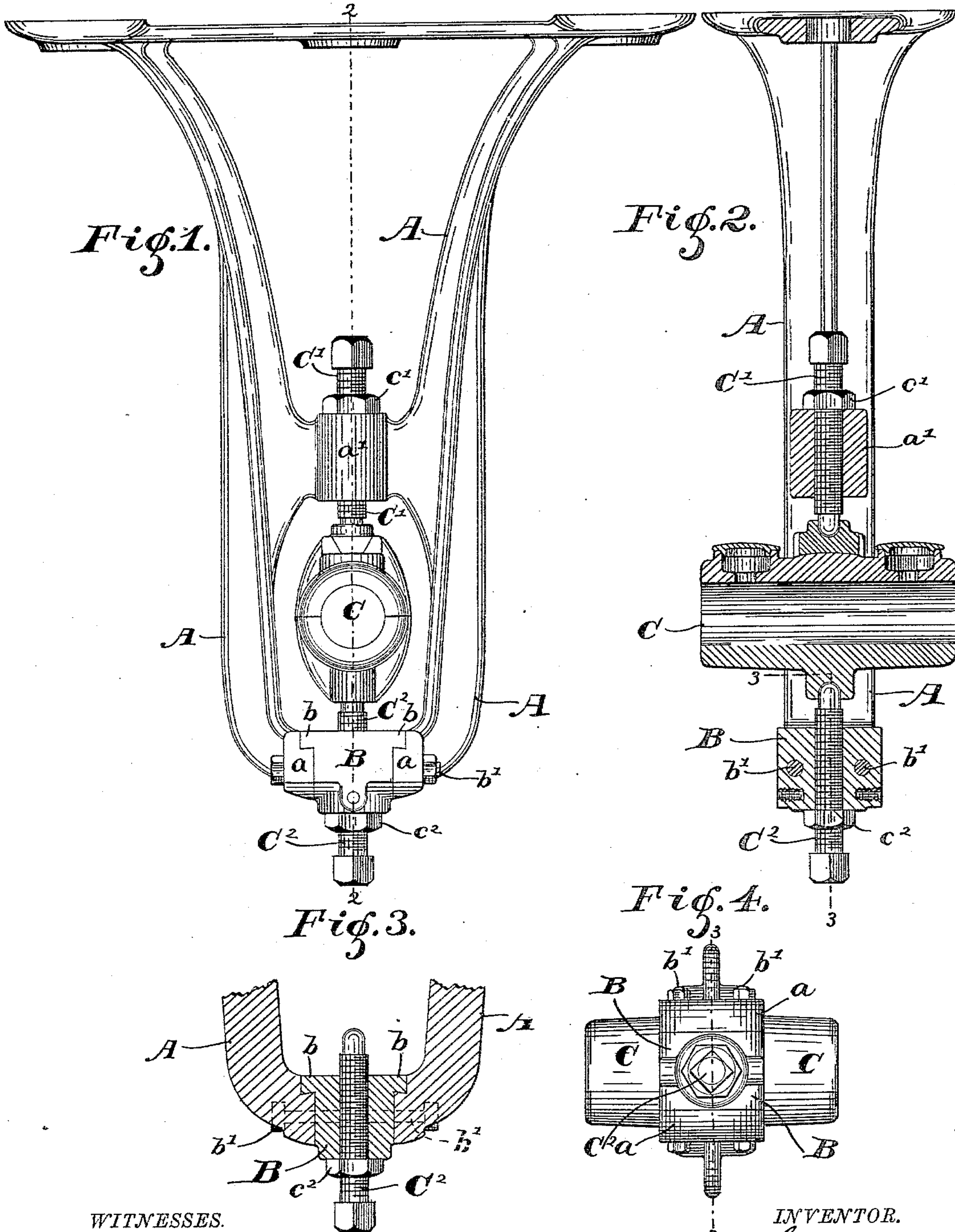
(No Model.)

J. F. McCORMICK.

SHAFT HANGER.

No. 319,106.

Patented June 2, 1885.



WITNESSES.

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SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 319,106, dated June 2, 1885.

Application filed April 13, 1885. (No model.)

To all whom it may concern:

Be it known that I, JAMES F. McCORMICK, of the city of Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful Improvements in Hangers for Shafting, of which the following is a specification.

The object of my said invention is to produce a hanger for shafting which, when in operative position, shall be practically solid, but which shall be so constructed that it may be opened for the introduction of the shafting. This object is accomplished by extending both sides of the hanger down equally and inserting between the lower ends of said sides a removable block formed to be supported thereby, as will be hereinafter more fully described.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a side elevation of a hanger embodying my said invention; Fig. 2, a central vertical section of the same on the dotted line 2 2; Fig. 3, a central section taken transversely of the first on the dotted line 3 3, and Fig. 4 an under side plan of the same.

In said drawings, the portions marked A represent the main casting of the hanger, B the removable block, and C the boxes.

The casting A is of suitable formation to be secured in position in the ordinary manner, and extends down to the distance required. At its lower end it is provided with two projecting faces, *a*, which are notched to receive corresponding projections on the removable block.

The removable block B is formed to fit in between the faces *a* of the main portion A, and has projections *b b*, which fit into the notches therein, and is thus supported thereby. After it is placed in position it is secured firmly therein by bolts *b'*, which pass through said block and the faces *a* of the main hanger portion. By this means, when this block is placed in position, the hanger becomes in effect a solid hanger, and is equally as well adapted to support the shaft effectively as though said block were cast in piece therewith. The notches in the faces of the hanger and the projections *b* on the block are preferably hooked somewhat, as shown, so that the weight

supported by the block will have no tendency to force the ends of the hanger apart, but rather draw them together.

The box C does not constitute any part of this present invention, and will not be further described herein. It is supported by means of heavy screws *C' C'*, the former of which passes down through a suitable bearing, *a'*, therefor in the main portion A of the hanger, and the other of which passes up through a similar bearing in the block B. Jam-nuts *c' c'* are provided thereon for the ordinary purposes of jam-nuts.

The operation is as follows: When it is desired to mount a shaft in my improved hangers, the bolts *b'* are taken out, the block B removed, and the shaft lifted up into position through the opening left by said removal. The box is then placed in proper position on the shaft, the block B reinserted and secured in position, and the device, after adjustment by means of the set-screws *C'* and *C'*, is ready for use. After the shaft and block are in position, and before the bolts are inserted, the hook or overhang of the projections *b*, engaging with the similarly-formed notches in the faces of the hanger, prevents the strain of the weight of the shaft from spreading the lower ends of the hanger, and the insertion of the bolts can therefore be deferred until such time as suits the convenience of the workmen. This also greatly facilitates the operation of temporarily removing and replacing the shaft when from any reason it is desired to do so. These notches and projections also take the supporting strain that would otherwise come upon the bolts, and render said bolts merely clamping-bolts.

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

1. A hanger for shafting, consisting of a main casting having two similar sides extending down equally and provided with appropriate faces, and a removable block adapted to be inserted and secured between said faces.

2. The combination of the main casting A, having faces *a a*, and the block B, constructed to fit between said faces and be there secured, substantially as set forth.

3. The combination of the main casting A, having faces *a a*, with notches therein, and the

block B, having projections *b b*, adapted to fit into said notches, and be thus supported thereby.

4. The combination of the main casting having faces provided with notches, a block adapted to fit between said faces and having projections adapted to fit into said notches, and bolts for securing the same in position, substantially as set forth.

5. The combination of the main casting having faces provided with notches inclined upwardly, a block adapted to fit between said faces, and having downwardly-inclined projections adapted to fit into said notches, and

bolts for securing the same in position, substantially as set forth. 15

6. The combination of the main portion A, the block B, the bolts *b'*, the box C, and the set-screws *C'* and *C''*, substantially as shown and specified. 20

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 9th day of April, A. D. 1885.

JAMES F. McCORMICK. [L. S.]

In presence of—

CHAS. E. TEST,
D. W. MARMON.