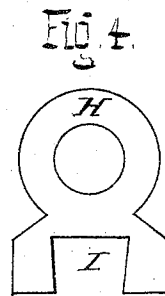
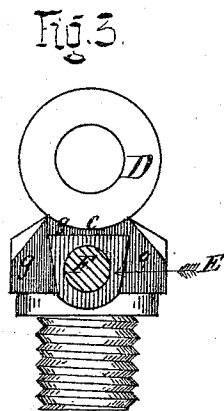
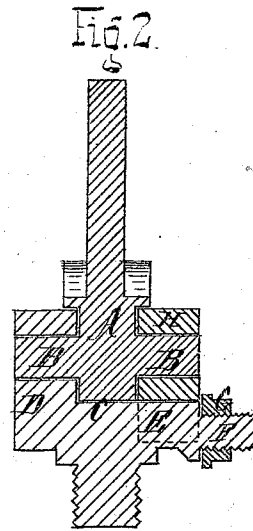
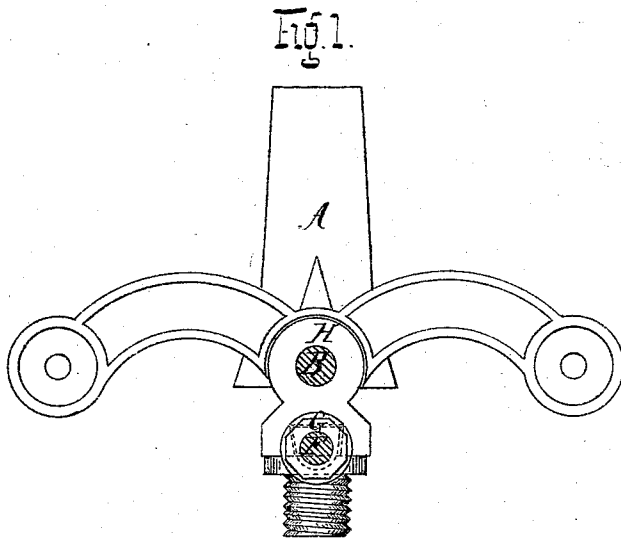


W. D. BAXTER.
Journal-Boxes.

No. 147,546.

Patented Feb. 17, 1874.



Witnesses.

Richard Gerner
Franklin Barritt

Inventor.

William D. Baxter
per Henry Gerner
Attorney.

UNITED STATES PATENT OFFICE

WILLIAM D. BAXTER, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF HIS
RIGHT TO ALFRED B. SANDS, OF SAME PLACE.

IMPROVEMENT IN JOURNAL-BOXES.

Specification forming part of Letters Patent No. **147,546**, dated February 17, 1874; application filed
January 31, 1874.

To all whom it may concern:

Be it known that I, WILLIAM D. BAXTER, of the city, county, and State of New York, have invented certain Improvements in Journal-Boxes, of which the following is a specification:

The object of my invention is to provide for a jointed double journal box or bearings for axles of machinery in general, and more especially for a pump, for improvements in which Letters Patent Nos. 137,527 and 83,027 were granted to me, bearing date April 8, 1873, and October 13, 1868.

By the constant friction on the sides of the journal-box in which the axle works, as well as of the sides of the chuck holding the axle, the metal wears away, and spaces are left between said chuck and the sides of the journal-boxes, by which the accurate motion of the arms or levers working the pistons is impaired.

My invention consists, instead of casting the journal-boxes together, to cast them separately in such a manner that one of said boxes only is cast in one piece with the bed, which is provided with a female dovetail on the opposite side, and lengthened into a threaded bar in order to receive the male dovetail in the loose journal-box, and a nut which holds said dovetail firmly to the bed.

When the sides of the chuck and the journal-box are worn or reduced, it is only required to remove the nut and the female-dovetailed journal-box, and remove, by filing, so much of

the shoulders of the part of the bed from which the male dovetail extends as the metal worn away from the sides in order to insure, at all times, a steady and accurate bearing.

In order to more fully describe my invention, I refer to the accompanying drawing forming a part of this specification.

Figure I is a side view of journal-boxes, chuck, and axle embodying my invention. Fig. II is a sectional view of the same through line *xx*, Fig. I. Fig. III is a detached enlarged side view of the fixed journal-box, bed, male dovetail, and threaded bar. Fig. IV is a detached enlarged side view of the movable journal-box.

A is the chuck holding the axle B. C is the bed of the journal-box D. E is the male dovetail, extending from the bed C. F is the threaded round bar, extending from the male dovetail E. G is a nut fitting the threaded bar F. *g g* are shoulders of the male dovetail E. H is the journal-box, with a female dovetail, I, in the lower end, fitted to receive the male dovetail E.

Having thus described my invention, I desire to claim—

The journal-boxes D and H, having dovetails E and I, threaded bar F, nut G, and bed C, substantially as described.

WM. D. BAXTER.

Witnesses:

RODMAN SANDS,
RICHARD GERNER.