

(No Model.)

J. M. ELLIOTT.
JOURNAL BEARING.

No. 304,512.

Patented Sept. 2, 1884.

Fig. 1.

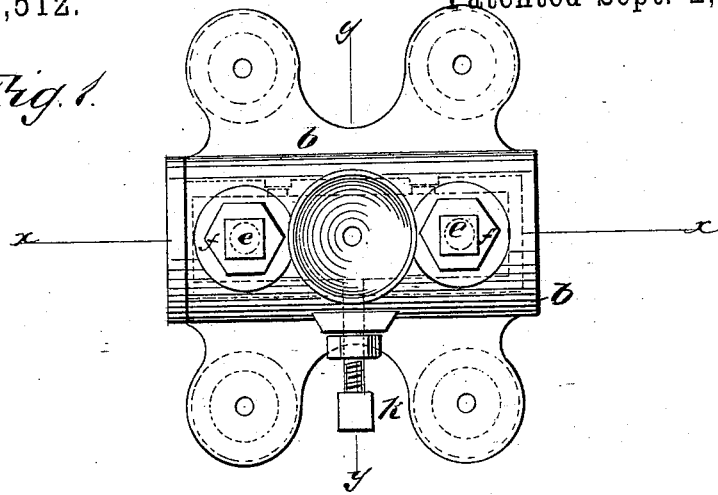


Fig. 2.

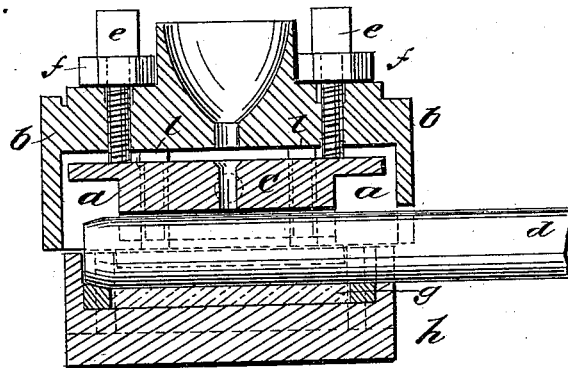
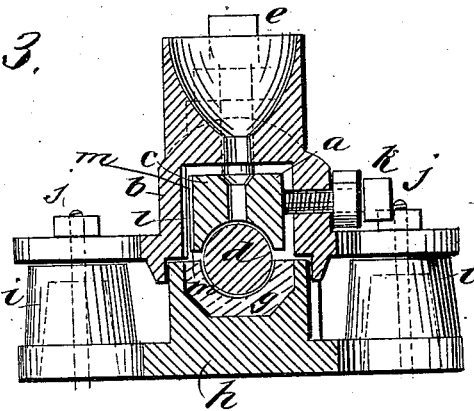


Fig. 3.



WITNESSES:

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JOURNAL-BEARING.

SPECIFICATION forming part of Letters Patent No. 304,512, dated September 2, 1884.

Application filed March 10, 1884. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. ELLIOTT, of Winnsborough, in the county of Fairfield and State of South Carolina, have invented a new and Improved Journal-Bearing, of which the following is a full, clear, and exact description.

My invention relates to improvements in journal-bearings; and it consists in the peculiar construction and arrangement of parts, as hereinafter fully described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a journal-box constructed according to my improvement. Fig. 2 is a sectional elevation of the box on the line *x x* of Fig. 1, and Fig. 3 is a transverse section on the line *y y* of Fig. 1.

I make a cavity or chamber, *a*, in the cap *b*, suitable for enabling a bearing-block, *c*, to be fitted in it, for bearing on the upper side of the journal *d* instead of the cap itself, and I fit a couple of adjusting-screws, *e*, through the top of the cap, with suitable jam-nuts, *f*, to secure the screws, which are to be set down from time to time as the lower bearing, *g*, of the box *h* wears away, thus allowing the cap *b* to be firmly bolted down on the top of the box at *i* without liners, and enabling the slack to be taken up without disturbing the cap, and also enabling the bolts *j*, by which the cap is secured, to be extended down through the bed-frame or other support for the box, to secure the box also; and to confine the bearing-block *c* against any lateral play, I fit one

or more set-screws, *k*, through one side of the cap, to press the block *c* against narrow-faced ribs *l* of the cap at points of the block, also having corresponding faced ribs *m*, to make true bearings, by which the block will be accurately placed, and will not vary as it shifts downward by its wear and the wear of the box-bearing *g*. The screw *k* and these bearing-ribs *l m* insure the proper lining of the block *c* with the journal *d*, and the screw prevents any lateral play of the block.

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

1. The combination, with the cap *b* of a journal-box extending the whole length thereof, and having the longitudinal chamber *a*, extending from one end to the other, of the bearing-block *c*, arranged in said chamber, the adjusting-screws *e*, passing through the top of the cap and bearing on opposite ends of the bearing-block, and the adjusting-screw *k*, passing the side of the cap and bearing against the said bearing-block at the center of its length, substantially as herein shown and described.

2. The cap *b* of a journal-box, having an adjustable bearing-block, *c*, in a cavity, *a*, and provided with adjusting-screws *e*, for setting it down on the journal, also with an adjusting-screw, *k*, and bearing-faces *m*, for controlling the block laterally, said cap having bearing-faces *l* and being permanently bolted down on the box, substantially as described.

JAMES M. ELLIOTT.

Witnesses:

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