No. 629,051. Patented July 18, 1899.

H. C. SWAN.

JOURNAL BOX.

(Application filed Mar. 20, 1899.)

(No Model.)

Fig. 1.

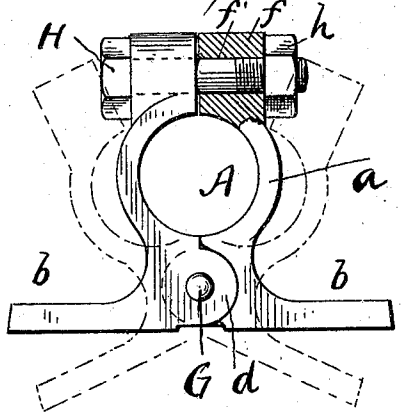


Fig. 2.

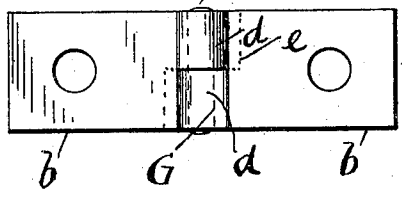
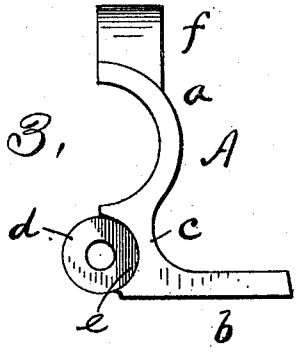


Fig. 3.



Witnesses:
E. B. Gilchrist
C. L. Henderson.

Inventor:
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by Albert Austin,
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HENRY C. SWAN, OF OSHKOSH, WISCONSIN.

JOURNAL-BOX.

SPECIFICATION forming part of Letters Patent No. 629,051, dated July 18, 1899.

Application filed March 20, 1899. Serial No. 709,809. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. SWAN, a citizen of the United States of America, residing at Oshkosh, Winnebago county, State of Wisconsin, have invented certain new and useful Improvements in Journal-Boxes, of which the following is a specification in such full, clear, and exact terms as to enable any person skilled in the art to which it appertains to make, construct, and use the same.

My invention relates to improvements in journal-boxes; and it consists in forming a journal-box of two parts that are pivoted to rotate upon each other and provided with means for suitably securing their free ends together.

The object of my invention is to provide a bearing that will completely encircle a rotatable shaft and that may be applied to the shaft between two immovable objects, such as pulleys, secured thereto, without disturbing said shaft or its attachments.

In the accompanying drawings, Figure 1 represents a side elevation, partly in section, of my improved device in its closed and operative position, its non-operative and open position being indicated by the dotted lines; Fig. 2, a bottom plan view, and Fig. 3 a detail view of one of the parts.

My improved journal-box consists of the parts A, each formed with a semicircular body portion *a*. Perforated base-flanges *b* are formed integral with said body portions and extend approximately at right angles to the same. The shank *c* of each part is provided with a perforated lug *d* and a circular recess *e*, said lug being adapted to engage the recess formed on the other part and rotatable therein. A lip *f* is formed integral with the top of the body portion and is provided with a perforation *f'*. The parts are pivoted together by means of a pintle G, that passes through and is secured in the perforation provided in the lugs.

In order to apply the journal-box to a shaft, the parts are brought into their non-operative position and are then swung together upon the pintle, so as to encircle the shaft, and are secured by means of a bolt H, that passes through the perforations formed in the lips and is held in place by means of a nut *h*. The shaft can be raised or lowered or the journal-box adjusted to the shaft by changing the shape of the base-flanges as desired.

My improved journal-box can be readily secured upon the shaft between two fixed objects without moving the shafting or its fixtures. It is secured to the shaft before being attached to the object from which the shaft is suspended, thereby facilitating the operation of attaching same. The parts completely encircle the shaft, forming a complete bearing, and my device is particularly adapted to be used in place of a loop or clip that provides no bearing for the top of the shaft. It is easily and cheaply constructed and is especially desirable as a secondary or reinforcing bearing, as it can be secured upon the shaft at any place desired for the purpose of providing additional support and affording greater safety.

What I claim is—

A journal-box consisting of two symmetrical parts, each of said parts having a semicircular body portion, a base-flange integral with said body portion and arranged at right angles thereto, a perforated lug and a curved recess between the body portion and base-flange, and a perforated lip at the opposite end of said body portion, said lug and recess on one part engaging a corresponding recess and lug on the other part, the said parts being pivoted to each other by a pintle passing through said lugs, and a bolt passing through the perforations provided in the lips to secure same together, substantially as described.

In testimony whereof I sign this application, in the presence of two witnesses, this 16th day of March, 1899.

HENRY C. SWAN.

Witnesses:
F. T. WILLMOTT,
C. I. HENDERSON.