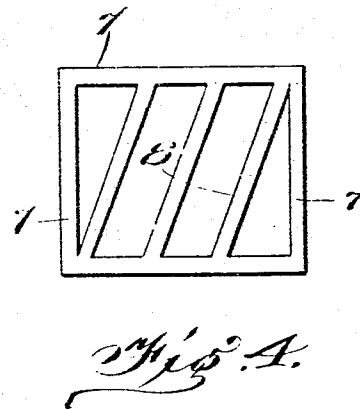
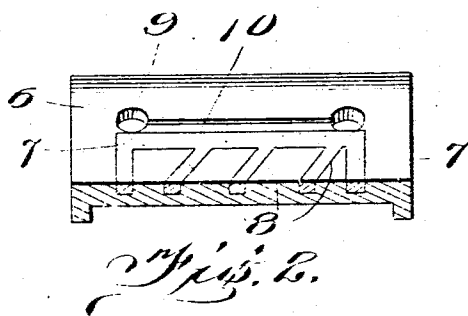
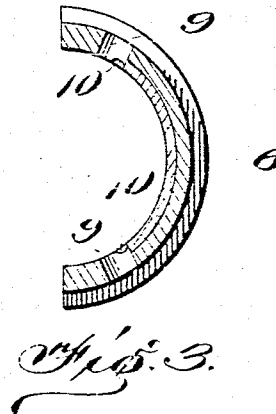
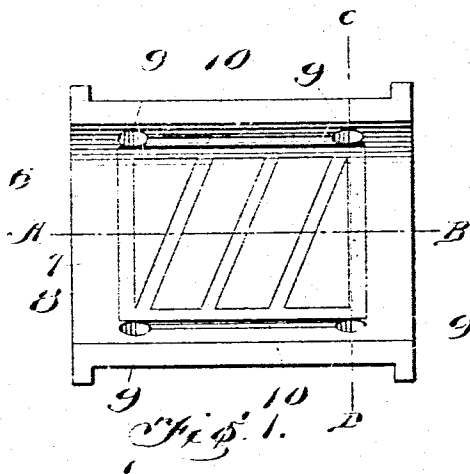


F. J. PINNING.
JOURNAL BRASS.
APPLICATION FILED MAY 15, 1909.

948,316.

Patented Feb. 8, 1910.



Witnesses

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UNITED STATES PATENT OFFICE.

FRANK J. FINNING, OF NASHUA, NEW-HAMPSHIRE.

JOURNAL-BRASS.

948,316.

Specification of Letters Patent.

Patented Feb. 8, 1910.

Application filed May 15, 1909. Serial No. 496,178.

To all whom it may concern:

Be it known that I, FRANK J. FINNING, citizen of the United States, residing at Nashua, in the county of Hillsboro and State of New Hampshire, have invented certain new and useful Improvements in Journal-Brasses, of which the following is a specification.

This invention relates to brasses for journal boxes, and has for its object to provide a brass improved with respect to the bearing material thereon and also with respect to the means for lubricating the bearing, these objects being effected by the use of a leather grating or piece which is set in grooves in the face of the brass, in connection with oil grooves, the leather acting as a conductor for lubricant to supply the same to all parts of the journal or bearing.

The invention is illustrated in the accompanying drawings in which—

Figure 1 is a plan of the brass; Fig. 2 is a section on the line A—B of Fig. 1; Fig. 3 is a section on the line C—D of Fig. 1; Fig. 4 is a plan of the leather piece which fits in the grooves in the brass.

Referring specifically to the drawings, 6 indicates the brass which may be made of any suitable metal or alloy according to the intended purpose. This is provided in its bearing face with grooves to receive the leather piece or grating shown in Fig. 4, said piece consisting of side strips 7 arranged in rectangular form with diagonal strips 8 therebetween, the leather being preferably cut out of one piece. The grooves in the brass are of such depth that the leather will be flush with the face of the brass when set in the grooves. At each corner of the leather piece, or of the grooves in which the piece is placed, the brass is provided with holes 9 for oil or other lubricant, and the holes on each side are connected by longi-

tudinal grooves 10 made in the face of the brass and adjacent to the longitudinal side grooves which receive the leather. By means of the holes and the oil grooves, lubricant is supplied to the bearing and also to the leather piece which absorbs the same and by reason of the diagonal parts 8 the lubricant is distributed evenly over the face of the bearing. The leather will not heat and forms a good conductor for the lubricant, thereby promoting a cool and easy running journal. The leather being sunken into the grooves of the brass will wear as long as the brass does and will perform its functions until completely worn out. It is forced into the grooves with sufficient pressure to prevent it from accidentally dropping out.

This invention is capable of use on journals of any kind. It may be used on automobiles, on crank or other shafts, on car journals, and for any other purpose to which it is adapted, and no limitation is implied with respect to the place or manner of its use.

I claim:

A brass for journal bearings having in the face thereof longitudinal grooves at opposite sides, connecting grooves between the ends of said longitudinal grooves, and connecting diagonal grooves between said grooves, leather strips inserted in and completely filling said grooves, flush with the face of the brass, oil holes through the brass at the ends of the longitudinal grooves, and oil grooves extending along beside and communicating with said longitudinal grooves, substantially as described.

In testimony whereof, I, affix my signature in presence of two witnesses.

FRANK J. FINNING.

Witnesses:

JOHN R. SPRING,

CHARLES B. CAMPBELL.