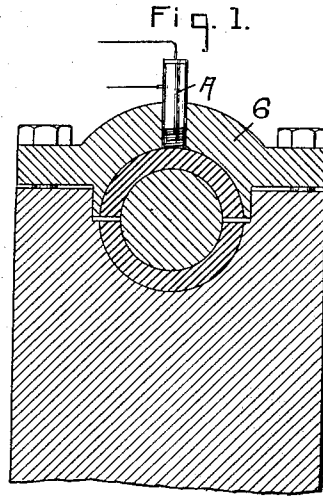
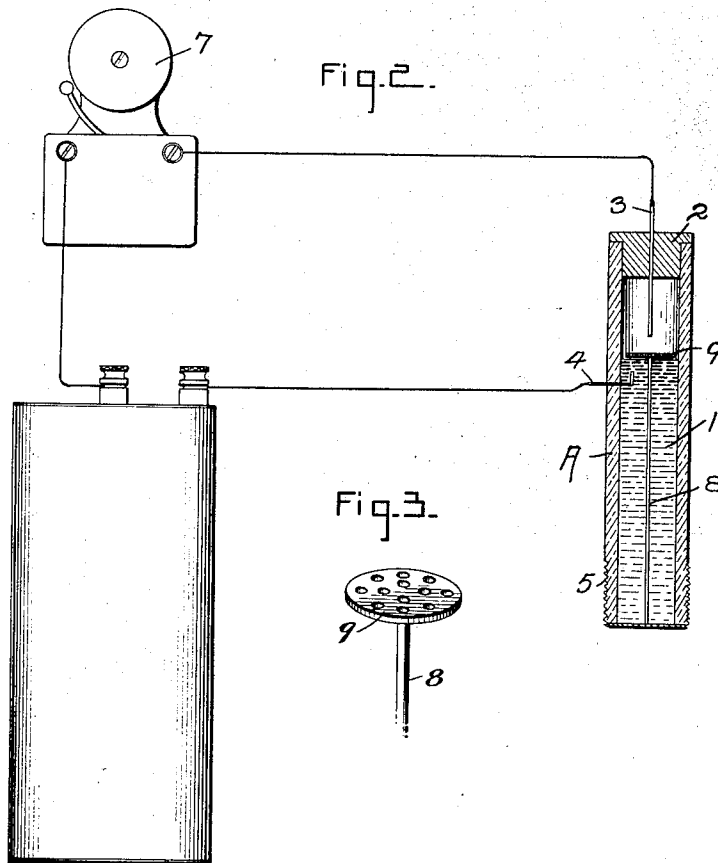


R. L. JOBSON.
HOT BEARING ALARM.
APPLICATION FILED MAY 13, 1910.

1,007,574.

Patented Oct. 31, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

RAYMOND L. JOBSON, OF KINSTON, NORTH CAROLINA.

HOT-BEARING ALARM.

1,007,574.

Specification of Letters Patent.

Patented Oct. 31, 1911.

Application filed May 13, 1910. Serial No. 561,204.

To all whom it may concern:

Be it known that I, RAYMOND L. JOBSON, a citizen of the United States, residing at Kinston, in the county of Lenoir and State of North Carolina, have invented certain new and useful Improvements in Hot-Bearing Alarms, of which the following is a specification.

My invention relates to an improvement in journals for journal boxes and the like, and the object is to provide means whereby an alarm will be sounded or indicated when the journal or bearing becomes overheated, and there is danger of a hot-box.

The invention consists in certain novel features of construction and combinations of parts which will be hereinafter fully described and pointed out in the claim.

In the accompanying drawings:—Figure 1 is a view showing the invention applied to a bearing; and Fig. 2 is a vertical sectional view of the mercury tube. Fig. 3 is a perspective view of the perforated disk.

A, represents the tube, preferably of glass, in which is received the mercury 1. A stopper 2 is secured within the tube by cement or the like. A wire 3 passes through the stopper, and extending through the side of the tube and into the mercury is a wire 4. The lower end of the tube is screw-threaded, as at 5, and is adapted to be screwed into the bearing 6. The wires 3 and 4 are connected to a bell 7. A rod 8

is fastened in the bottom of the tube, and supported upon the upper end of the rod is a perforated disk 9, which is adapted to be received just above the mercury to prevent the mercury from splashing, due to vibration of the engine or bearing and causing the mercury to make contact with the wire 3, whereby the bell would be sounded and give a false alarm. When the bearing becomes heated, the mercury will expand in the tube, causing it to pass through the perforations in the disk 9 and make contact with the wire 3, whereby the alarm is sounded. The alarm can be located at any convenient place in the engine room or train, whereby the attendant will be notified upon the sounding of the alarm that the journal is becoming overheated.

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

An alarm for hot bearings, comprising a mercury tube having contacts, an alarm circuit connected to the contacts, a rod mounted in the tube, and a perforated disk mounted upon the rod to prevent the splashing of the mercury.

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

RAYMOND L. JOBSON.

Witnesses:

W. D. LE ROY, Jr.,

T. R. LEE.