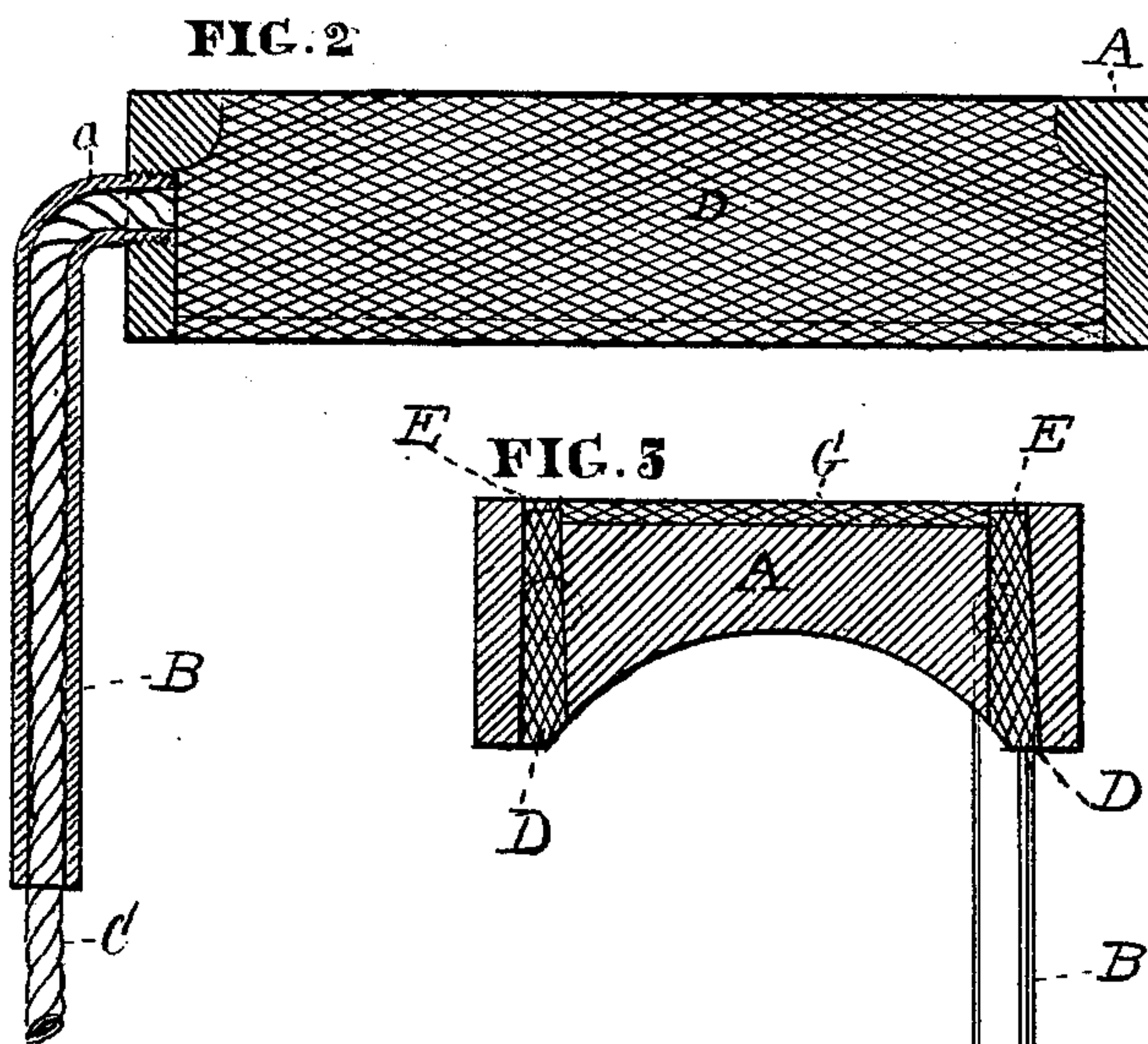
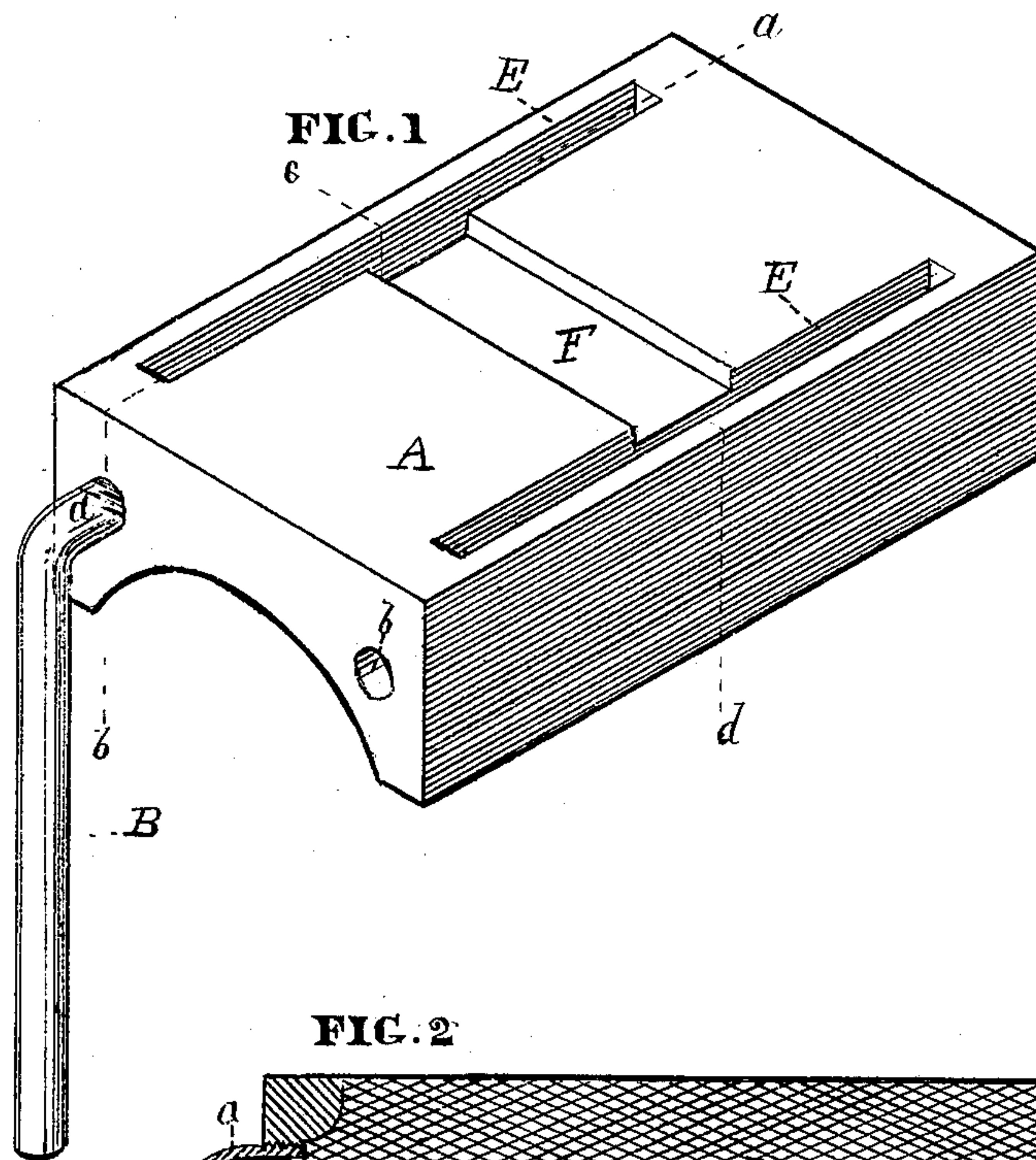


[illegible]

No. 126,350.

Patented April 30, 1872.



Witnesses
Thomas J. Bewley.
Isaac Pringle

Inventor.
Stephen. Ustick

UNITED STATES PATENT OFFICE.

STEPHEN USTICK, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN LUBRICATORS FOR CAR-AXLE BOXES.

Specification forming part of Letters Patent No. 126,350, dated April 30, 1872.

Specification describing certain Improvements in Lubricators for Car-Journals, invented by STEPHEN USTICK, of the city of Philadelphia and State of Pennsylvania.

The first part of my invention relates to the combination of a metallic tube with a wick, which surrounds the same, and with the journal-bearing and oil-reservoir, for the double purpose of protecting the wick from dust, which passes into the journal-box, and for partially warming the wick by means of the heat caused by the rubbing of the journal, being imparted from the bearing. The second part of the invention relates to vertical slots through the bearing, to contain pads for distributing the oil, which is conveyed by the wicks to the periphery of the journal. The vertical pads in another application of mine, now before the Office, are in recesses which extend only part of the way through.

I prefer the slots represented in the present application, as they not only render the molding of the bearing easier, but also, on account of taking in a greater depth of material, for holding the oil for distribution upon the journal.

Figure 1 is an isometrical view of the bearing and tube B, containing a wick, C. Fig. 2 is a longitudinal section at the line *a b* of Fig. 1. Fig. 3 is a cross-section at the line *c d* of Fig. 1.

Like letters in all the figures indicate the same parts.

A is the bearing, B the tube, and C the wick which passes through the tube. The upper end of the tube has a bend, *a*, so as to bring the end of the tube into a hole, *b*, in the front end of the journal, at any desired point. In the present case I have represented the end of a tube and wick in connection with a pad, D, at each edge of the bearing. The lower ends of the wicks project beyond the lower ends of the tubes and lie in oil in the bottom of the journal-box. E E are vertical slots, which extend from the lower side of the bearing to its upper side to contain the pads D D. There is a cross-groove, F, in the upper side of the bearing, which contains a pad, G, the ends of which combine with the pads D D, so that when there is a deficiency of oil in one pad at any time it may be compensated for by the passing of an excess of oil from the other pad.

I claim as my invention—

1. The combination of the tube B and wick C with the distributing-pad D, substantially in the manner and for the purpose set forth.

2. The vertical slots E E, extending to the upper side of the bearing A, in combination with the pads D D, substantially in the manner and for the purpose specified.

STEPHEN USTICK.

Witnesses:

THOMAS J. BEWLEY,
ISAAC RINDGE.