(No Model.)

J. G. BRAUN.

DRIP CUP FOR JOURNAL BEARINGS.

No. 296,820. Patented Apr. 15, 1884.

Fig. 1.

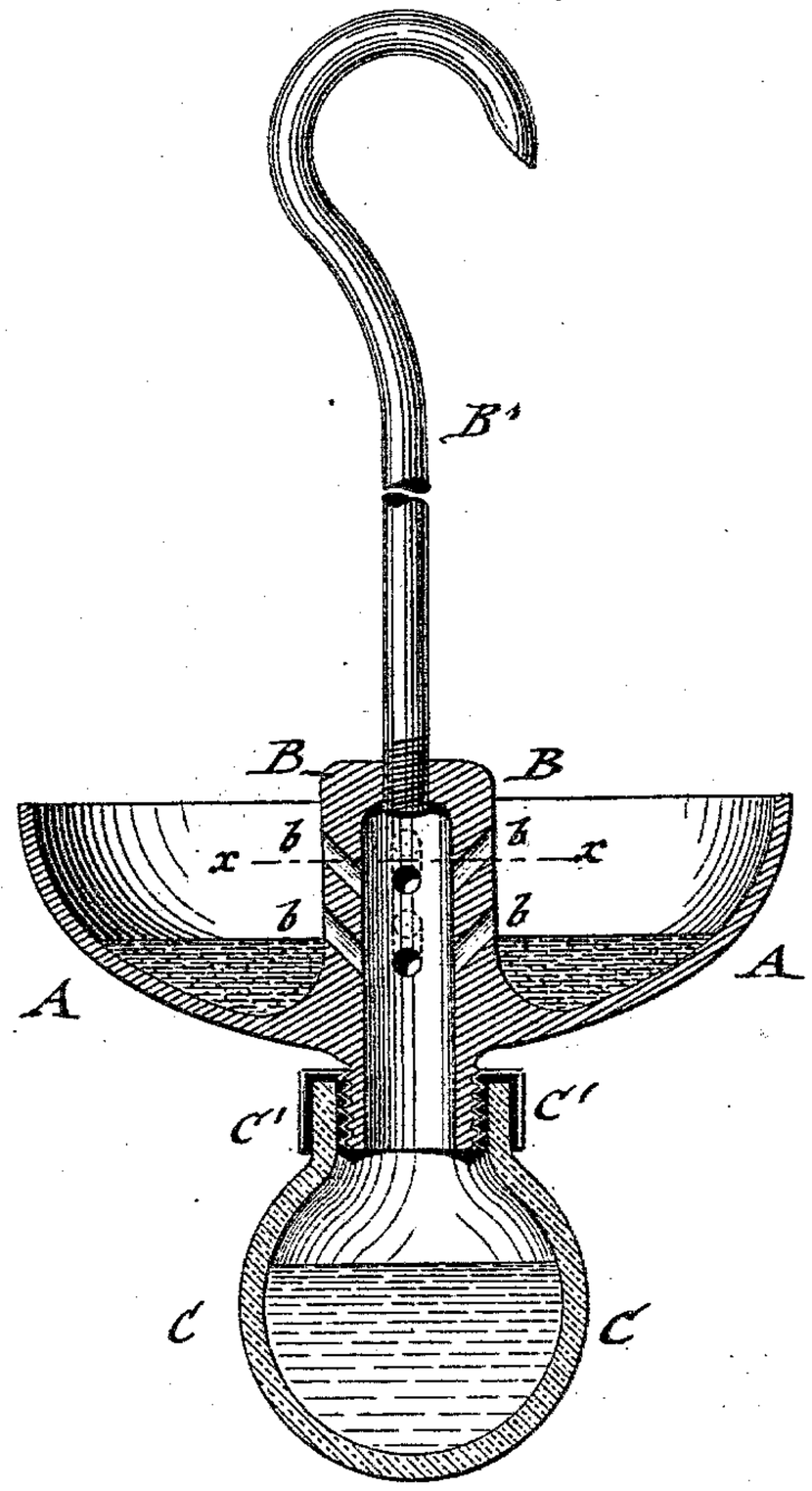
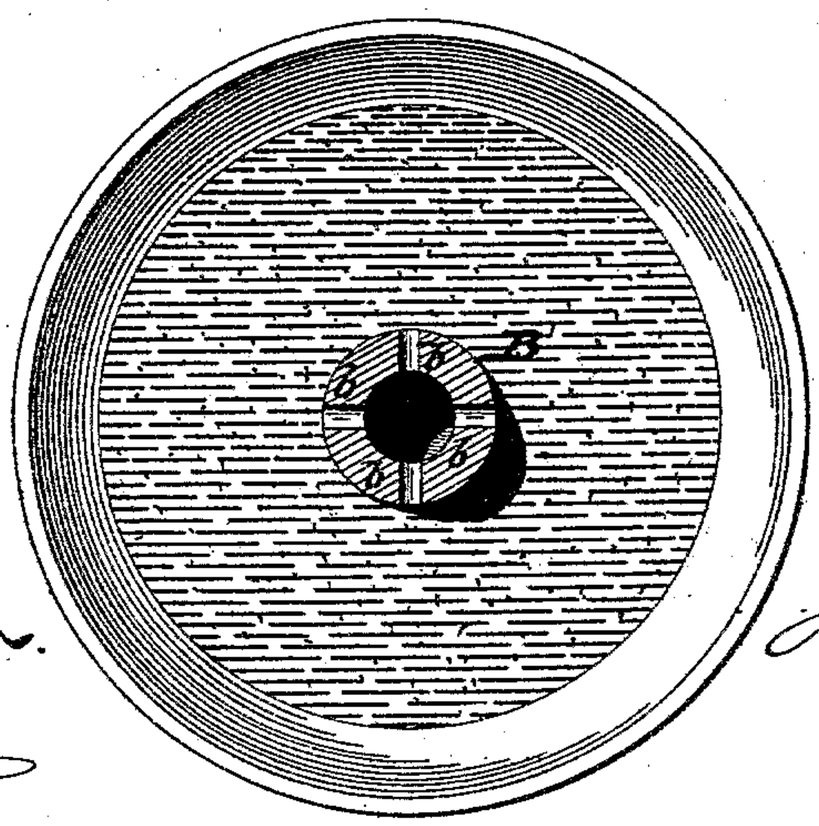


Fig. 2.



WITNESSES:

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DRIP-CUP FOR JOURNAL-BEARINGS.

SPECIFICATION forming part of Letters Patent No. 296,820, dated April 15, 1884.

Application filed March 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, J. GOTTFRIED BRAUN, of the city, county, and State of New York, have invented certain new and useful Improvements in Drip-Cups for Journal-Bearings, of which the following is a specification.

Journal-bearings of all kinds have been provided with drip-cups heretofore; but they had the disadvantage that the oil or other lubricant collected thereby contained all the dirt and other impurities carried along with the oil.

The object of my invention is to furnish an improved drip-cup, in which the oil is separated from the dirt or other impurities carried along with the same and can be used again, while the remaining portion of the oil which contains the sediments is thrown away.

The invention consists of a drip-cup, which is suspended, by a hook or otherwise, below the journal-bearing, and provided with a hollow central hub having downwardly-inclined perforations at different levels, through which the oil is conducted through the hollow hub into a detachable vessel that is attached in a suitable manner to the under side of the drip-cup.

In the accompanying drawings, Figure 1 represents a vertical central section of my improved drip-cup for journal-bearings; and Fig. 2 is a plan partly in horizontal section on line *x x*, Fig. 1.

Similar letters of reference indicate the same parts throughout the several views.

A in the drawings represents a drip-cup for journal-bearings, which is made of any suitable size, shape, and material. The drip-cup A is suspended by a hook, B′, or in other suitable manner, below the journal-bearing, said hook being inserted into the upper end of a raised central hollow hub, B, of the drip-cup A, and the lower end of the hub B is extended below the bottom of the drip-cup A, the extension being threaded for attaching the neck of a glass or other vessel, C. A number of inclined perforations, *b b*, are arranged at different levels in the hollow hub B, the perforations serving to drain off the drip-oil at its surface to the hollow hub and into the receiving-vessel C, which is attached by a collar, C′, to the threaded discharge end of the hub B, as shown clearly in Fig. 1. As the drip-oil is always conducted off from the surface, whatever the level of the same in the cup, the impurities are collected in the bottom of the drip-cup below the overflow-perforations *b b*. The oil is thus conducted in nearly pure state into the receiving-vessel C, so that it can be used again for lubricating purposes.

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

1. A drip-cup for journal-bearings, having a hollow perforated boss or hub, a suspension device secured to the upper end of the hub, and a receiving-vessel attached to the lower discharge end of the hub, substantially as set forth.

2. The combination of a drip-cup for journal-bearings provided with a central hollow boss or hub open at the lower end, said hub having inclined perforations at different levels, with a detachable receiving-vessel attached to the lower discharge end of the hub, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

J. GOTTFRIED BRAUN.

Witnesses:

LOUIS C. RAEGENER,

SIDNEY MANN.