

AARON HIGLEY.

Improvement in Lubricating Oil Cup.

No. 125,133.

Patented April 2, 1872.

Fig. 1.

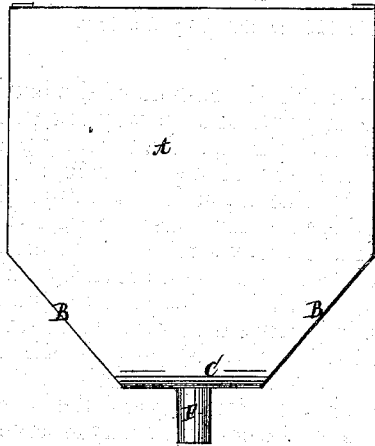


Fig. 2.

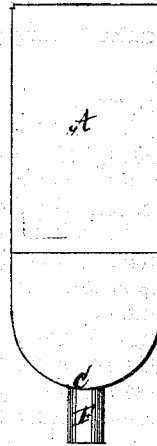


Fig. 3.

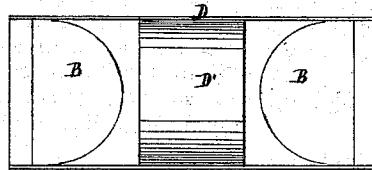
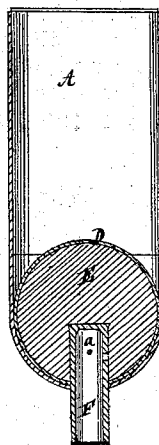


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

AARON HIGLEY, OF CLEVELAND, OHIO.

IMPROVEMENT IN LUBRICATING-OIL CUPS.

Specification forming part of Letters Patent No. 125,133, dated April 2, 1872.

To all whom it may concern:

Be it known that I, AARON HIGLEY, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and Improved Lubricating-Oil Cup; and I do hereby declare that the following is a full, clear, and complete description thereof, reference being had to the accompanying drawing making part of the same.

Figure 1 is a side view of the cup. Fig. 2 is an end view. Fig. 3 is an inside view. Fig. 4 is a vertical transverse section.

Like letters of reference refer to like parts in the several views.

SPECIFICATION.

The object of this invention is to supply a certain uniform and constant amount of oil to a journal box or seat, and strain the oil before its application thereto, by causing it to pass through a strainer as it leaves the cup for the journal-seat, &c.; of the above said cup the following is a more full description.

In the drawing, Fig. 1, A represents the cup, which is or may be made of sheet metal, and of the peculiar shape shown in said figure, in which it will be seen that the bottom consists of two sloping sides, B, and a rounding part or section, C, as shown in Fig. 2. In the middle of the bottom, or midway between the sloping sides B, is a strainer, D. Said strainer consists of a wide ring, as shown in Fig. 4, and which is filled with cork, E, or other porous substance. F is a small tube passing from the ring through the bottom of the cup; said tube also extends up into the ring, which is therein surrounded by the cork E, or other porous material. The upper end of the tube is closed, whereas the lower end is open, as is shown in Fig. 4. The application of this cup to the journal-box is by inserting the lower end of

the tube F in the oil-hole of the box. The oil in the cup will find its way out therefrom to the journal, through the tube, by passing into said tube through a small hole, *a*, in the side thereof. The oil, as it passes from the cup to the tube, must first pass through the cork E, which is thereby strained from all gross impurities, and, will therefore easily make its way through the hole *a*, thence to the journal. The gross impurities thus strained from the oil settle down upon the sloping sides B of the bottom, and, being thus collected in the angle of the side of the strainer and the sides B of the bottom of the cup, are easily removed and the cup cleaned out.

By the application of this cup to a journal, it is constantly supplied with pure oil, and with a certain quantity sufficient only for the purpose; hence there is none wasted. The small hole *a* is of sufficient capacity to allow oil enough to enter the tube for keeping the journal well oiled, which ordinarily is but a small quantity, if properly applied.

Claims.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The herein-described oil-cup A, having sloping sides or bottom B, in combination with the strainer D, in the manner as and for the purpose set forth.

2. The strainer D, consisting of the ring D', cork filling E or its equivalent, tube F having an oil-hole, *a*, all constructed and arranged, in relation to each other, in the manner as and for the purpose specified.

AARON HIGLEY.

Witnesses:

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