

S. USTICK.

No. 142,303.

Car Axle-Boxes. Patented August 26, 1873.

FIG. 1

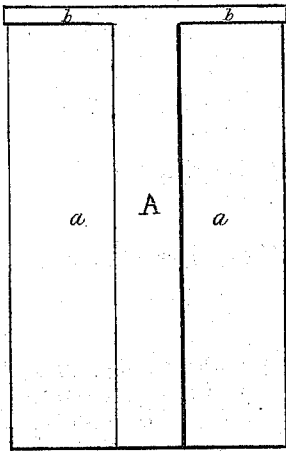


FIG. 3

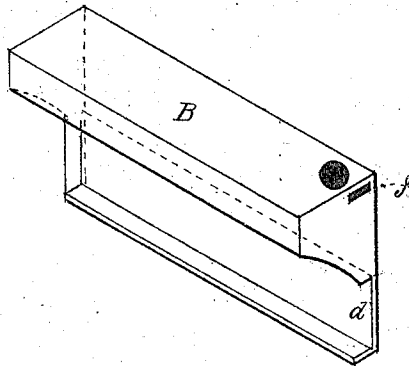


FIG. 2

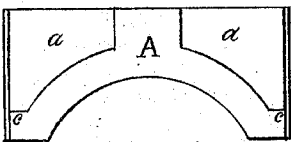


FIG. 4

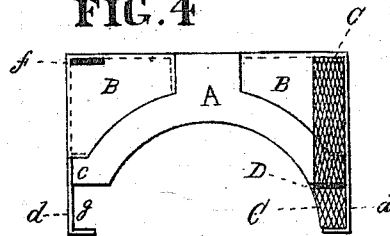


FIG. 5

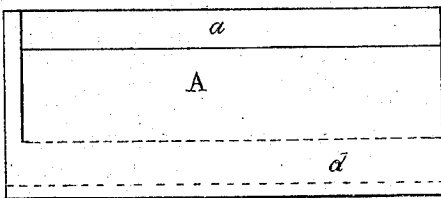


FIG. 6

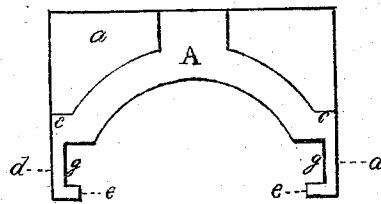


FIG. 7

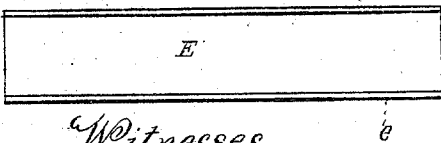
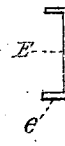


FIG. 8



Witnesses
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STEPHEN USTICK, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN CAR-AXLE BOXES.

Specification forming part of Letters Patent No. **142,303**, dated August 26, 1873; application filed June 12, 1873.

To all whom it may concern:

Be it known that I, STEPHEN USTICK, of the city of Philadelphia and State of Pennsylvania, have invented certain Improvements in Lubricators for Car-Axle Journals, of which the following is a specification:

My invention consists in the combination of oil-boxes with the journal-bearings and the upper corners of the journal-box, as hereinafter fully described. The object of the invention is the facilitating the lubrication by having the supply of oil in close proximity to the journal, and also to keep the oil free from dust or dirt.

Figure 1 is a plan view of the bearing A. Fig. 2 is an end view of the same. Fig. 3 is an isometrical view of one of the oil-boxes B. Fig. 4 is an end view of the bearing A and the oil-boxes B in connection therewith. Figs. 5 and 6 are an edge and end view of the bearing A, having recesses *g g* for holding distributing-pads C. Figs. 7 and 8 are a side and end view of the bent plate E.

Like letters in all the figures indicate the same parts.

A is a journal-bearing, seen in detail in Figs. 1 and 2. The upper corners are removed for the purpose of dispensing with the superfluous metal, and also to form spaces *a a* for the reception of oil-boxes B, shown in connection with the bearing in Fig. 4, and detached therefrom in Fig. 3. The rear end of the bearing A is left full a short distance, at *b b*, to fill up

the journal-box the whole depth of the bearing. The longitudinal flanges *c c* are, however, reduced in width to allow sufficient space to be occupied by the downwardly-projecting flanges *d d*, which have ledges *e e* for the support of longitudinal distributing-pads C C, one of which is shown in Fig. 4.

The boxes B B may be made of tin or other sheet metal, or cast, as may be desired. There are wicks D which connect with openings *f* in the end of the boxes B, or in any other convenient manner.

The flanges *c c* may be omitted in the construction of the boxes B, if desired, and similar flanges made to the bearing A, as seen in Figs. 5 and 6; or the recesses *g g* may be formed by bent plates E, shown in detail in Figs. 7 and 8, the plate being hung on the projections *c c* of the bearing A.

If desired, the boxes may be connected at their front ends with a box in front of the journal and bearing, the front box being connected with them by means of short tubes or otherwise, or made continuous with them.

I claim as my invention—

The combination of the oil-boxes B B with the bearing A, substantially in the manner and for the purpose above set forth.

STEPHEN USTICK.

Witnesses:

THOMAS J. BEWLEY,
ISAAC RINDGE.