(No Model.)

P. M. KLING.

DUST GUARD FOR CAR AXLE BOXES.

No. 384,530. Patented June 12, 1888.

Fig. I.

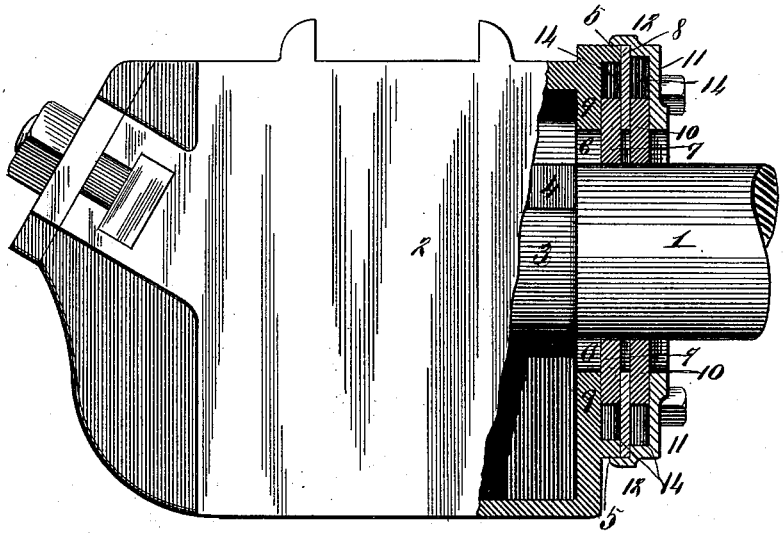
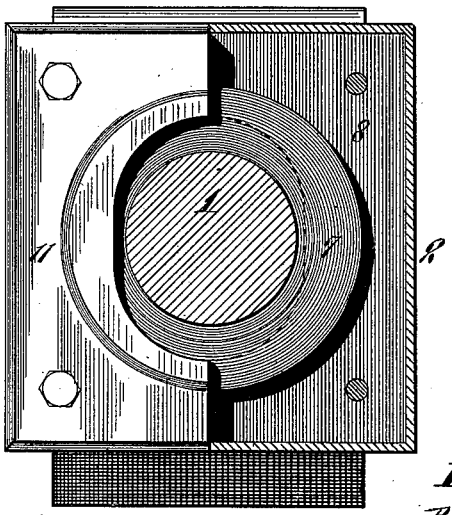


Fig. II.



Attest!
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UNITED STATES PATENT OFFICE.

PETER M. KLING, OF ST. LOUIS, MISSOURI.

DUST-GUARD FOR CAR-AXLE BOXES.

SPECIFICATION forming part of Letters Patent No. 384,530, dated June 12, 1888.

Application filed February 13, 1888. Serial No. 263,810. (No model.)

To all whom it may concern:

Be it known that I, PETER M. KLING, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Dust-Guards for Journal-Boxes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure I is a side view of a journal-box, showing the part to which my improvement relates in vertical section. Fig. II is a transverse vertical section through part of the guard, showing the upper part in section.

My invention relates to a device for excluding the dust and dirt from journals, and is particularly intended for use on railway-cars; and my invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Referring to the drawings, 1 represents an axle of a street or other railway car. 2 represents the box covering the journal 3 of the axle, and 4 represents the brass. The inner face of the box is provided with an annular flange, 5, having an opening, 6, to receive the axle.

7 represents a disk of leather or other suitable material, which fits against the face 9 of the box within the flange 5.

8 represents a ring fitting outside of the flange 5 and disk 7. Outside of the ring 8 is a second disk, 10, similar to the disk 7, and outside of this disk is another ring, 11, having a marginal flange, 12, that fits over the ring 8 and the flange 5 of the box.

The openings in the rings 8 and 11 are sufficiently large to allow for the movement of the axle within the box, while the disks 7 and 10 fit the axle snugly, preventing the entrance of dust and dirt. There are spaces 14 left between the disks and the flanges 5 and 12 of the box and the ring 11 to allow the disks to move with the axle.

I claim as my invention—

1. The combination of the axle-box provided with a flange, 5, disk 7, ring 8, disk 10, and ring 11, having flange 12, substantially as and for the purpose set forth.

2. The combination of the axle-box, disks 7 and 10, and rings 8 and 11, substantially as and for the purpose set forth.

PETER M. KLING.

In presence of—
JOS. WAHLE,
EDWD. S. KNIGHT.