(Model.)

J. LOESEWITZ.

DUST GUARD FOR AXLE BOXES OF VEHICLES.

No. 589,211. Patented Aug. 31, 1897.

Fig. 4

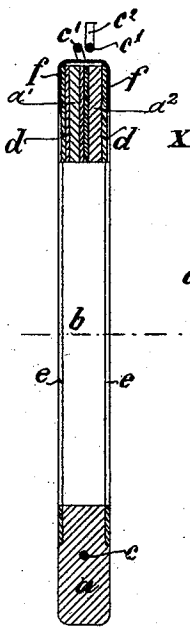


Fig. 1

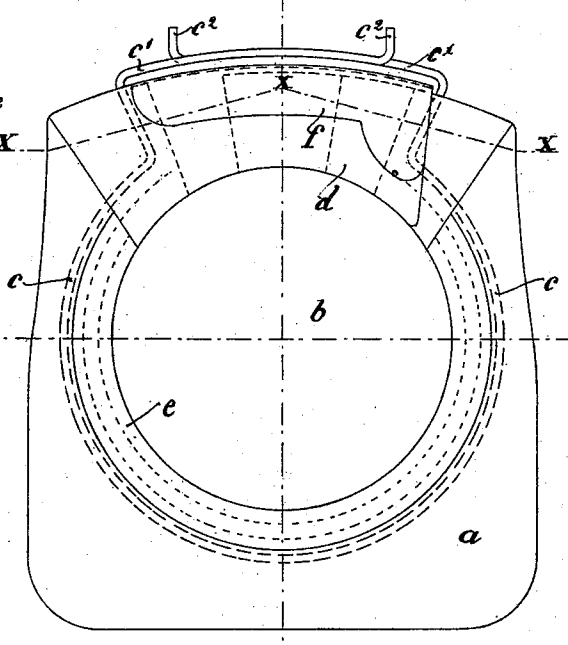


Fig. 2

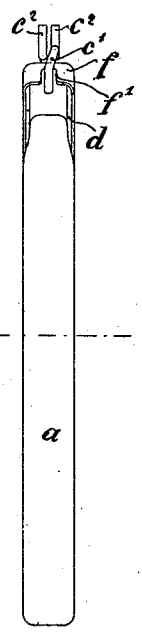


Fig. 5

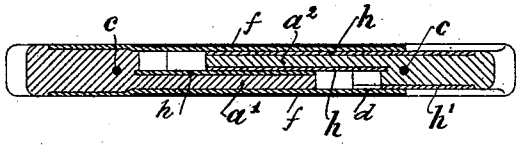


Fig. 6

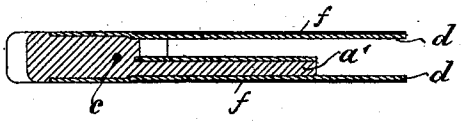


Fig. 7

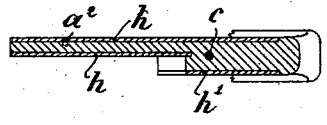


Fig. 3



Witnesses:
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Johannes Loesewitz
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Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHANNES LOESEWITZ, OF WITTEN, GERMANY.

DUST-GUARD FOR AXLE-BOXES OF VEHICLES.

SPECIFICATION forming part of Letters Patent No. 589,211, dated August 31, 1897.

Application filed March 23, 1897. Serial No. 628,876. (Model.)

To all whom it may concern:

Be it known that I, JOHANNES LOESEWITZ, a subject of the Emperor of Germany, residing at Witten-on-the-Ruhr, in the Empire of Germany, have invented a certain new and useful Improved Dust Ring or Disk for Axle-Boxes of Vehicles, of which the following is a specification.

The present invention relates to an improved dust-ring for use on axle-boxes of railway-carriages and the like.

The invention chiefly consists in the manner of connecting the overlapping ends of a split ring of felt or similar material, which ring is held pressed against the axle by means of a circular spring.

The ring is represented in the accompanying drawings, in which—

Figures 1, 2, and 3 are respectively front, side, and plan views of said ring; Fig. 4, a vertical section of the ring; Fig. 5, a section on line $x\ x$ of Fig. 1; and Figs. 6 and 7 represent the same section, only the two ends of the ring are shown separated one from the other, Fig. 6 showing one and Fig. 7 the other portion.

The dust ring or guard is provided with a body portion a, formed of a flat piece of felt or other similar material. This ring is divided and has two overlapping tongues a' and a^2 at its upper part. The edge of the body portion around its circular opening b is provided with facing-strips e of leather, and the tongues are provided with facing-plates h, of leather, which come in contact with each other and stiffen the said tongues.

Guide-plates d, of leather, are secured to one side portion of the ring at its upper part, and the other side portion of the ring is slidable between the plates d.

A wire spring c is inclosed in the body portion a, and its ends project through the top of the body portion and are provided with arms c', having upturned projections c^2.

A metallic cap f is secured over the guide-plates d to protect and strengthen them, and f' is a slot in one end of the cap f for one end of the spring c to project through.

The overlapping tongues may be pulled apart to slip the ring over a shaft, and they are then placed in engagement with each other and are drawn together by means of the arms c' on the ends of the spring.

What I claim is—

1. In a dust-ring, the combination, with a divided body portion provided with overlapping tongues, of a spring holding the said tongues together, substantially as set forth.

2. In a dust-ring, the combination, with a divided body portion, of a spring inclosed in the said body portion and provided with projecting arms for closing the joint in the said body portion, substantially as set forth.

3. In a dust-ring, the combination, with a divided body portion provided with overlapping tongues faced with leather, of a spring for holding the said tongues together, substantially as set forth.

4. In a dust-ring, the combination, with a divided body portion provided with overlapping tongues, of guide-plates secured to one side portion of the ring for the other side portion to slide between, and a spring for holding the said tongues together, substantially as set forth.

5. In a dust-ring, the combination, with a divided body portion, of guide-plates secured to one side portion of the ring for the other side portion to slide between, a metallic cap coupling the said guide-plates, and a spring for closing the joint of the body portion, substantially as set forth.

In testimony whereof I have affixed my signature in presence of two witnesses.

JOHANNES LOESEWITZ.

Witnesses:

CARL SIHBECK,

AUGUST ALBERS.