

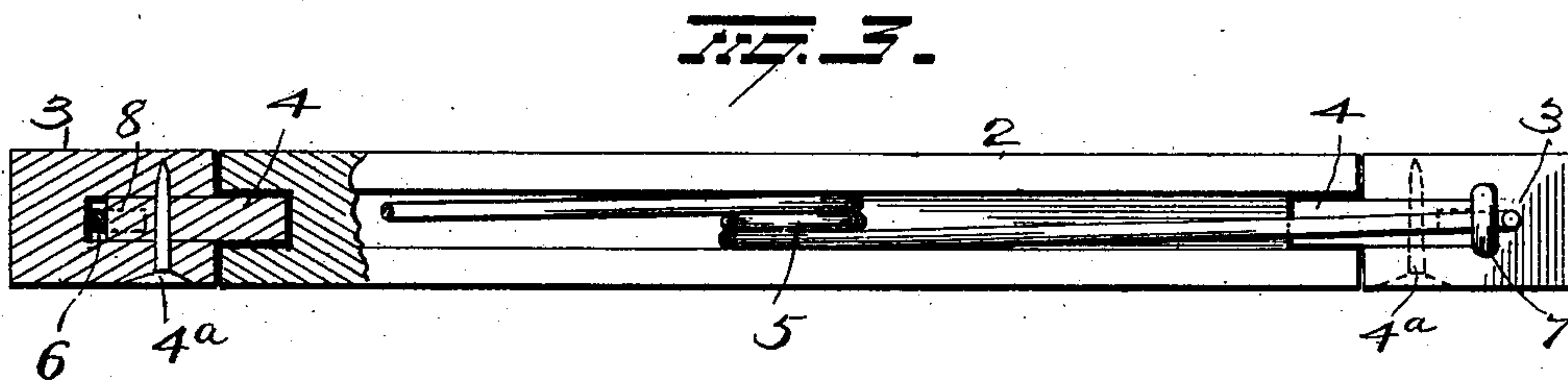
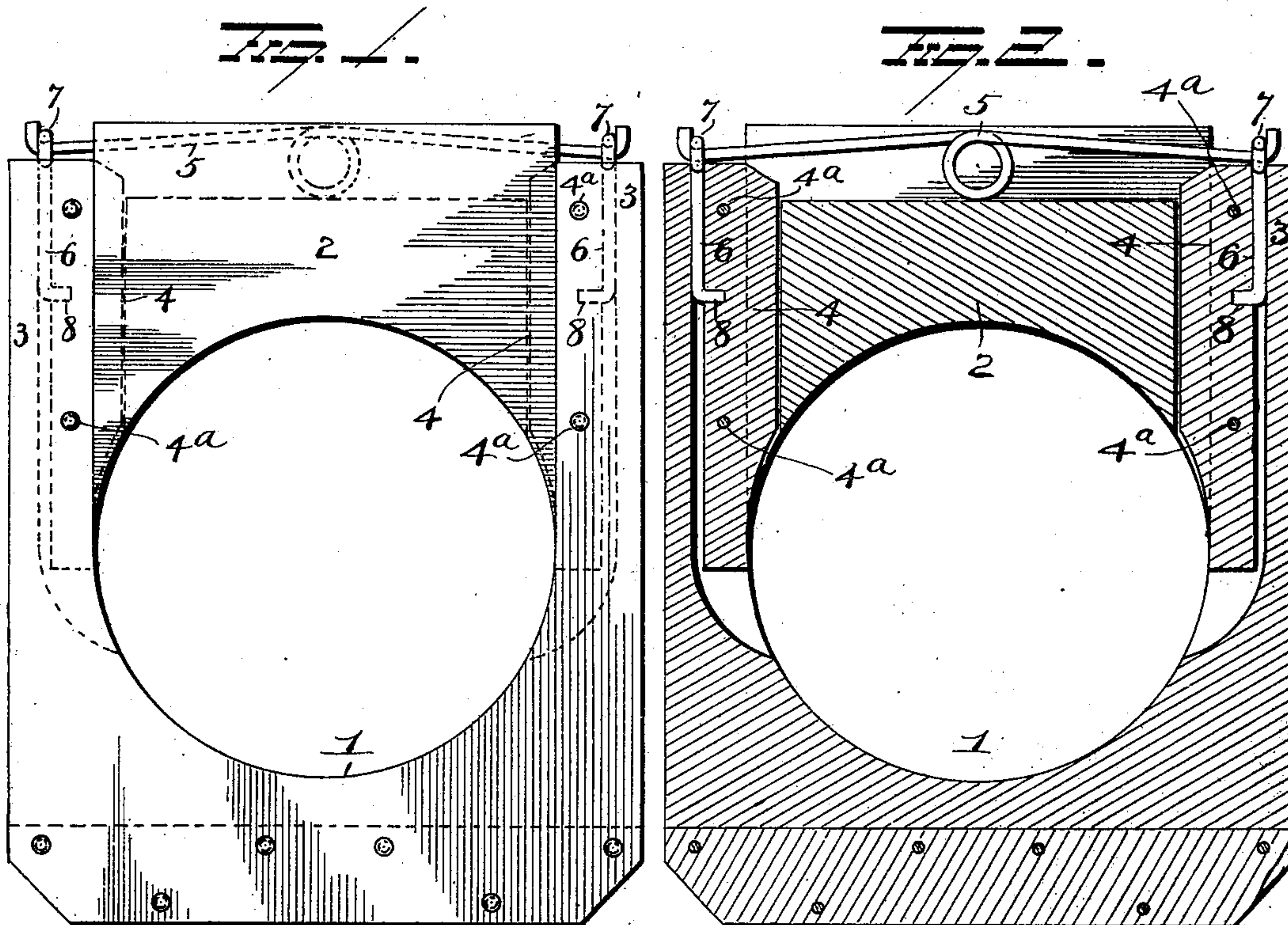
No. 688,560.

Patented Dec. 10, 1901.

J. TIMMS.
DUST GUARD.

(Application filed Sept. 6, 1901.)

(No Model.)



WITNESSES
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JAMES TIMMS, OF COLUMBUS, OHIO.

DUST-GUARD.

SPECIFICATION forming part of Letters Patent No. 688,560, dated December 10, 1901.

Application filed September 8, 1901. Serial No. 74,572. (No model.)

To all whom it may concern:

Be it known that I, JAMES TIMMS, a resident of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Dust-Guards; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in dust-guards for car-axle boxes, the object of the invention being to provide a dust-guard which will be strong to withstand all the strain thereon and at the same time be extremely simple in construction and cheap to manufacture.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in elevation, illustrating my improvements. Fig. 2 is a view in section of the same; and Fig. 3 is a top plan view, partly in section.

1 represents the lower member of my improved guard, and 2 the upper member. The lower member 1 is made with the upper curved edge to fit against the lower half of the car-axle and with parallel uprights 3, having tongues 4, secured in grooves in the inner edges of the uprights by nails or pins 4^a, and said tongues adapted to fit into grooves in the side edges of the upper member 2 to prevent displacement of the latter, but permit of its free vertical movement. The lower edge of the upper member 2 is curved in the arc of a circle to engage the upper half of the car-axle and, together with the lower member 1, entirely surround the same to prevent any possibility of the entrance of dust and grit into the box. The upper edge of the upper member 2 is grooved to receive a spring 5, coiled between its ends, and the coil is located in the grooved upper edge of the member 2, and the respective ends of the spring are slightly bent and disposed in eyes or hooks 7 at the upper end of bolts or rods 6, secured in the parallel uprights 3, as will now be explained.

Each bolt or rod 6 is bent at one end to form the eye or hook 7 to receive the end of the spring, and the main vertical portion thereof is held in the groove in the upright, between the same and tongue 4, the latter being notched on its inner edge below its upper end to receive a finger or lug 8, formed by bending the lower end of the bolt or rod 6 at right angles, thus securing the same rigidly in place and preventing any possibility of its being withdrawn by the upward tension of the spring.

My improved guard may be made of wood, metal, or composition, and various slight changes might be resorted to in the general form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to be limited to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. In a dust-guard, the combination of two members both movable relative to each other, the lower member having two uprights and an intermediate curved face, the upper member having a curved lower face and mounted to slide in the uprights of the lower member, tongues secured in grooves in the uprights and projecting into grooves in the upper member, bolts or rods secured in the grooves of the uprights between the same and the tongues, said rods or bolts having fingers or lugs on their lower ends projecting into notches in the tongues, and having eyes or hooks at their upper ends at the top of the uprights and a spring bearing between its ends on the upper member and having its ends located in the said eyes or hooks.

2. In a dust-guard, the combination of two members both movable relative to each other, the lower member having two uprights and an intermediate curved face, the upper member having a curved lower face and grooved upper edge, tongues secured in grooves in the uprights and projecting into grooves in the upper member, bolts or rods secured in the grooves in the uprights between the same and

the tongues and having lugs at their lower ends projecting into said tongues, and a spring disposed in the groove in the upper edge of the upper member and its ends engaging the upper ends of the bolts or rods.

3. In a dust-guard, the combination of two members both movable relative to each other, the lower member having two uprights and an intermediate curved face, the upper member having a curved lower face and grooved upper edge, tongues secured in grooves in the uprights and projecting into grooves in the upper member, bolts or rods secured in the

grooves in the uprights between the same and tongues and having lugs at their lower ends projecting at an angle, and a spring disposed in the groove in the upper edge of the upper member and its ends engaging the upper ends of the bolts or rods.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JAMES TIMMS.

Witnesses:

JOSEPH STAFFORD,
ARNO EBERLEIN.