

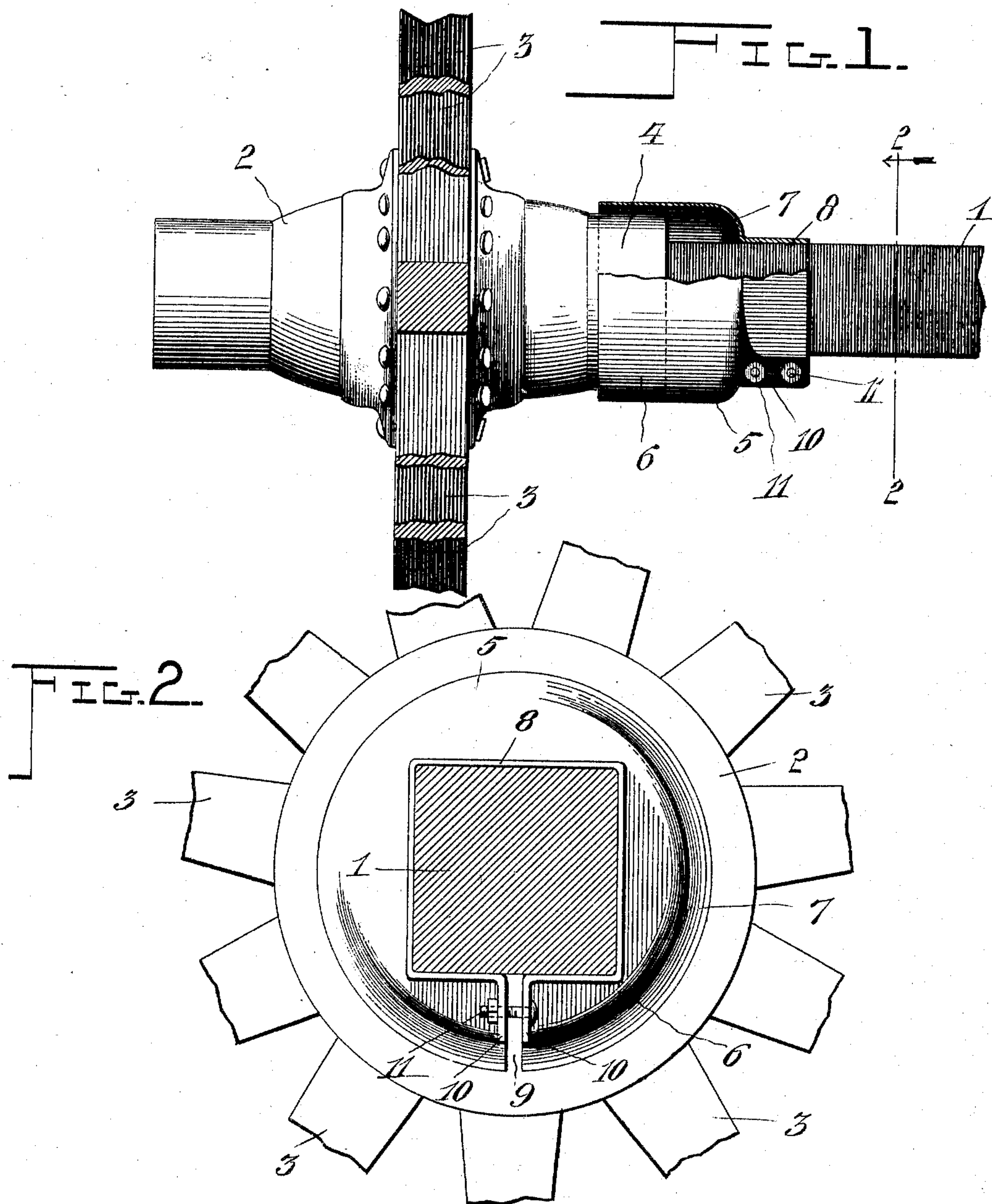
No. 760,005.

PATENTED MAY 17, 1904.

W. H. LITTLE.
DUST GUARD FOR VEHICLE HUBS.

APPLICATION FILED JUNE 29, 1903.

NO MODEL.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM HENRY LITTLE, OF McKELLAR, CANADA.

DUST-GUARD FOR VEHICLE-HUBS.

SPECIFICATION forming part of Letters Patent No. 760,005, dated May 17, 1904.

Application filed June 29, 1903. Serial No. 163,571. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY LITTLE, a subject of the King of Great Britain, residing at McKellar, district of Parry Sound, Province of Ontario, Canada, have invented a certain new and useful Improvement in Carriages and other Vehicles known as the "Dust Guard or Shield;" and I do hereby declare that the following is 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 a dust-guard adapted to be used in connection with vehicles for preventing dust raised from the roadway from lodging within the wheel-hubs.

The invention consists in the construction and combination of parts to be more fully described hereinafter and definitely set forth in the claim.

In the drawings, which fully illustrate my invention, Figure 1 is substantially a side elevation of the extremity of an axle, showing a wheel-hub and the inner portions of the spokes of the wheel. A portion of the device is represented in this view as broken away, as will appear, so as to more fully disclose its construction. Fig. 2 is a vertical section taken substantially on the line 2 2 of Fig. 1.

Throughout the drawings and specification the same numerals of reference denote like parts.

Referring more particularly to the parts, 1 represents a portion of the extremity of an axle, upon which is mounted a wheel having a hub 2, which wheel may be mounted upon the axle in the manner shown. From the hub the spokes 3 radiate. The hub 2 comprises at its inner extremity a cylindrical portion or head 4, as shown. As shown, the axle 1 is substantially square in section and of dimensions somewhat less than the diameter of the said head 4.

In applying my invention to such a wheel and axle as I have described I provide a sleeve 5, which consists of a substantially cylindrical body 6, which at one side is formed with a rounded shoulder 7, beyond which there is a

reduced neck 8 of substantially square form, as shown. This sleeve is not continuous, but is split longitudinally, as indicated at 9, preferably upon its under side, and at this point the under side of the aforesaid neck 8 is provided with a pair of oppositely-disposed flanges 10, through which pass clamping-bolts 11, by means of which the said neck 8 may be clamped upon the axle 1, as will be readily understood. The inner extremity of the body 6 of the sleeve is such that the head 4 fits snugly within the same in such a manner as to exclude the dust.

It should readily appear that the sleeve 5 should afford efficient means for preventing dust from lodging around the hub at its inner portion, and evidently this sleeve in no way interferes with the removal of the wheel. Access may be had to the inner extremity of the wheel-hub by simply loosening the bolts 11 and sliding the sleeve 5 inwardly, as will be readily understood.

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

As an improved article of manufacture, the herein-described dust-guard for wheel-hubs of vehicles, comprising in a single integral element a sleeve having a cylindrical body formed at one end with integral reduced neck of substantially rectangular form, with a rounded exterior shoulder at the junction of said neck with the body, said sleeve being split longitudinally upon its under side and the neck portion formed with integral oppositely-disposed depending parallel flanges arranged in close proximity to each other with the opening between them in line with the split of the body portion, said flanges receiving clamping-bolts at a point beneath the axle, substantially as shown and described.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

WILLIAM HENRY LITTLE.

Witnesses:

E. PIRIE,

H. E. STONE.