

R. E. GAY.
SAND BAND FOR VEHICLES.
APPLICATION FILED DEC. 17, 1907.

920,897.

Patented May 4, 1909.

Fig. 1.

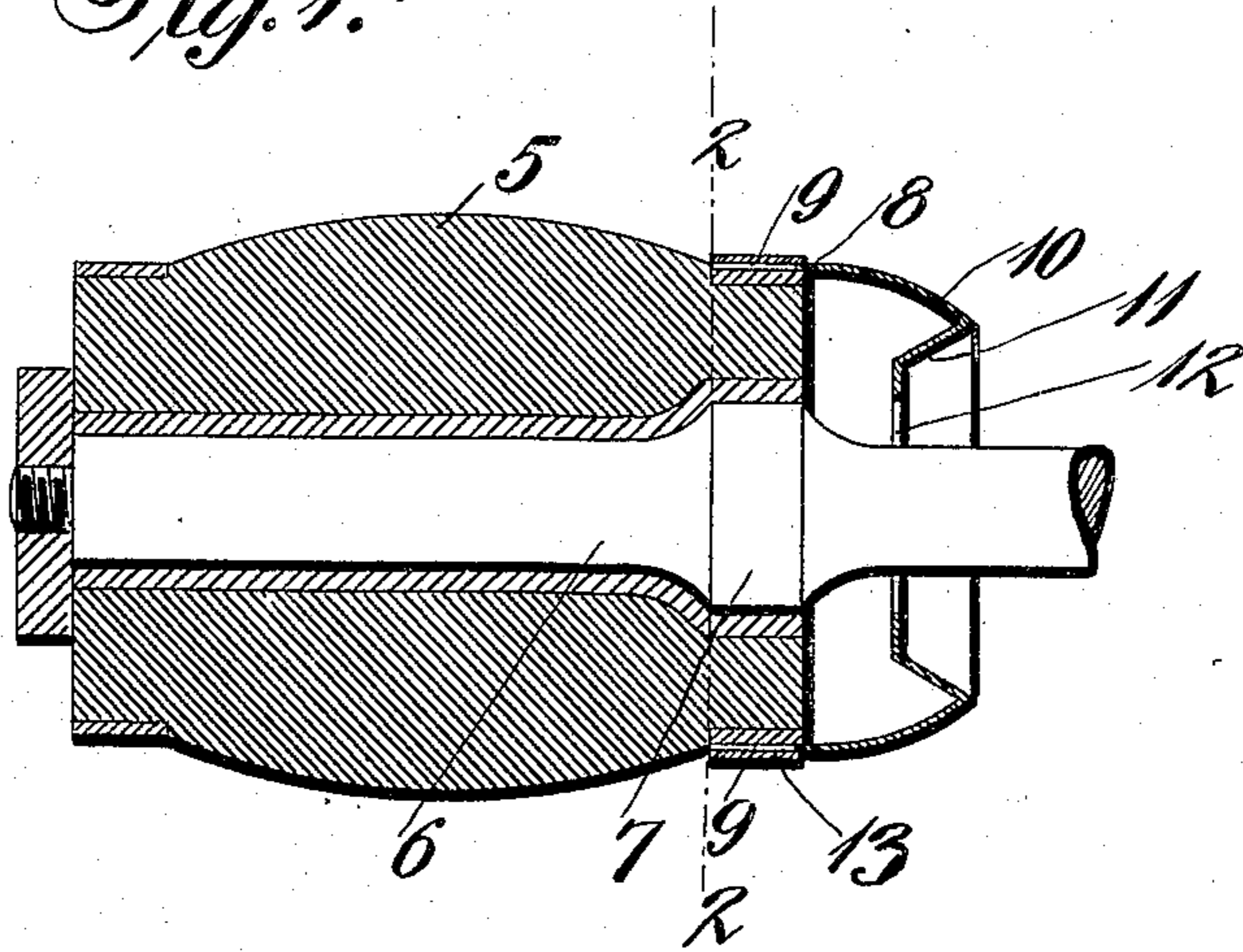


Fig. 2.

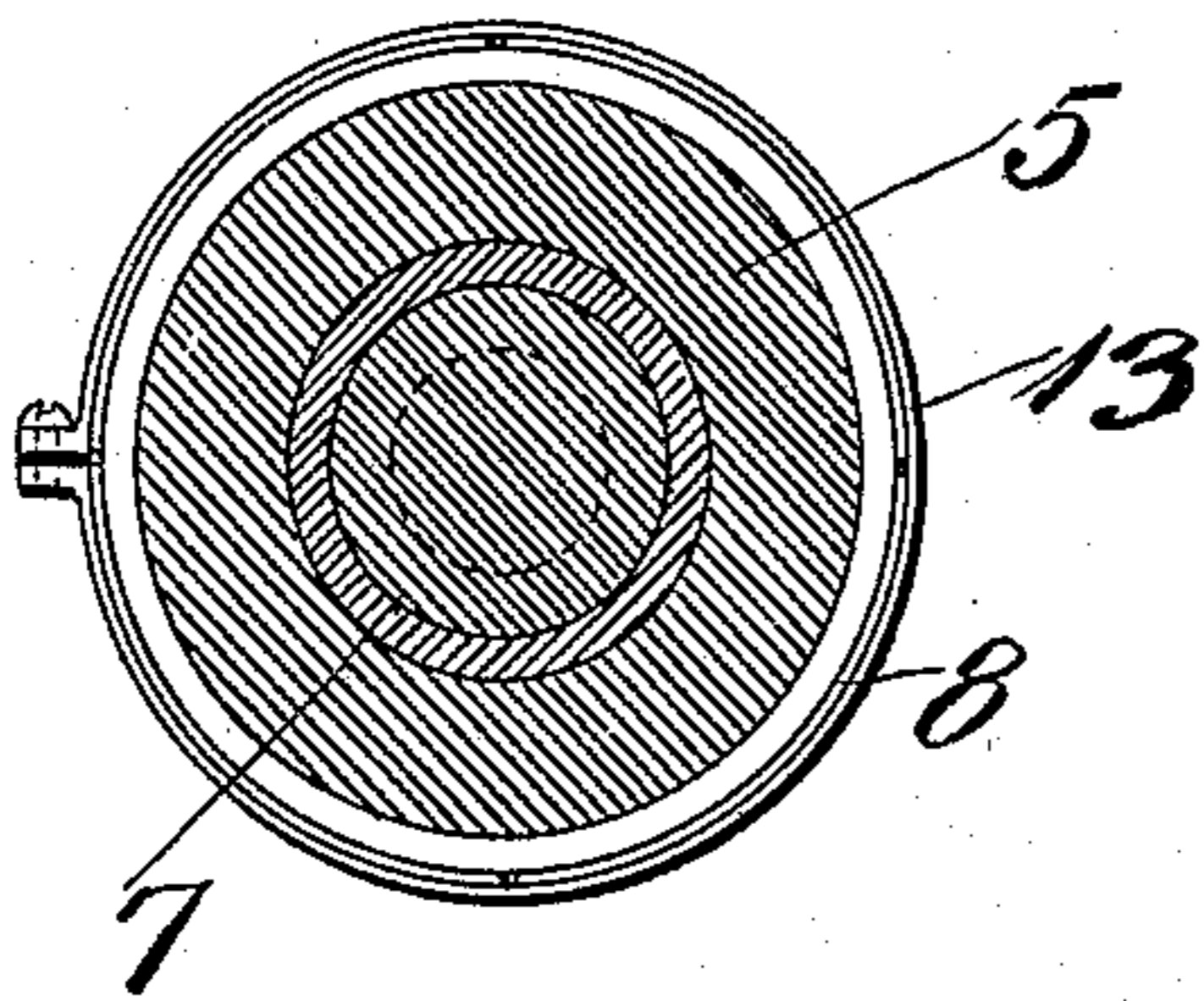
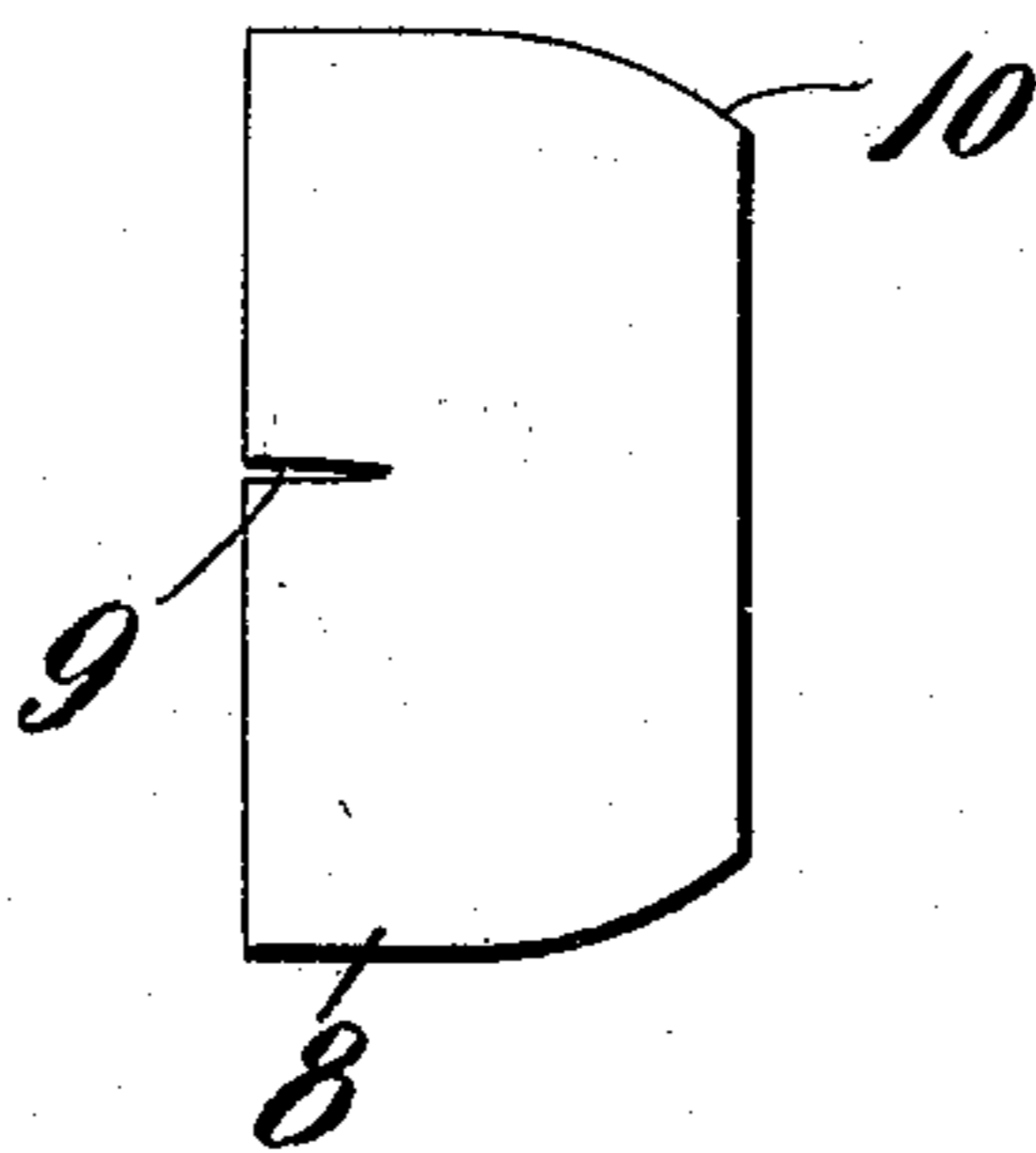


Fig. 3.



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Witnesses

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SAND-BAND FOR VEHICLES.

No. 920,897.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed December 17, 1907. Serial No. 406,918.

To all whom it may concern:

Be it known that I, ROBERT E. GAY, a citizen of the United States, residing at Harrison, in the county of Clare and State of Michigan, have invented certain new and useful Improvements in Sand-Bands for Vehicles, of which the following is a specification.

This invention is a sand-band for vehicles, and has for its object to provide a device of this kind which is simple in construction and can be readily applied to any ordinary wheel, and which will effectually exclude sand, dirt and water from the axle-spindle.

In the accompanying drawing Figure 1 is a longitudinal sectional view showing the application of the invention, Fig. 2 is a cross-section on the line 2—2 of Fig. 1. Fig. 3 is an elevation of the sand-band removed.

Referring specifically to the drawing 5, denotes the hub of a wheel, and 6 is the axle-spindle on which it is mounted. The spindle has the usual butting-ring 7.

The sand-band comprises a cap 8 the inside diameter of which is the same as that of the hub so that it may be slipped thereon. The open end of the cap is slitted longitudinally as indicated at 9. The opposite closed end of the cap tapers as indicated at 10, and is dished as indicated at 11, with a central opening 12 in said dished portion of the same diameter as that of the butting-ring in order that the device may pass over the same when it is put in place.

In use the open slitted end of the cap is slipped over the inner end of the hub and it

is made fast thereto by a clamping band 13. The device is made of spring metal which together with the slits 9 permits it to be clamped to the hub as stated. When the device is in position on the hub it projects outwardly therefrom and overhangs the axle on the inner side of the butting-ring as clearly shown in Fig. 1. The tapered portion 10 serves to shed sand and water and to carry it away from the spindle, and the dished portion 11 makes it impossible for the sand or water to get to the spindle, the opening 12 being of the same diameter as the butting-ring.

The device herein described is simple in construction and can be cheaply produced, it can be easily put on or taken off and it effectually excludes sand, dirt and water from the spindle.

I claim—

A sand-band for vehicle wheels comprising a cap encircling the inner end of the hub and projecting outwardly therefrom and overhanging the axle, said projecting end of the cap being tapered and dished at its extremity, the dished portion having a shoulder at the inner end thereof projecting toward the axle and an opening to receive the axle and to pass over the butting-ring thereof.

In testimony whereof I affix my signature, in presence of two witnesses.

ROBERT EMMET GAY.

Witnesses:

RANSOM B. GAY,
A. W. TIBBITS.