

(No Model.)

J. ANDERSSSEN.
MUD GUARD FOR CARRIAGES.

No. 480,485.

Patented Aug. 9, 1892.

Fig. 1.

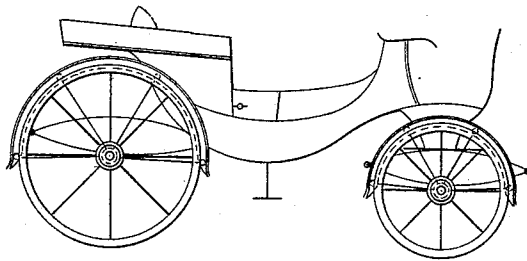


Fig. 2.

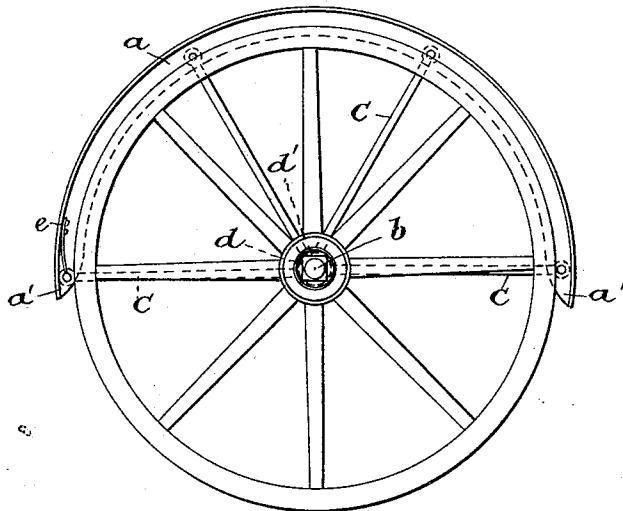
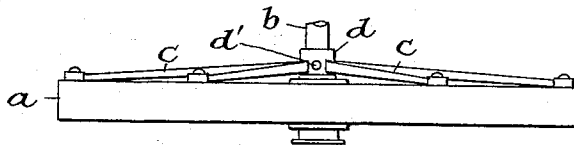


Fig. 3.



WITNESSES:

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JOHANNES ANDERSSSEN, OF CHRISTIANIA, NORWAY.

MUD-GUARD FOR CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 480,485, dated August 9, 1892.

Application filed November 25, 1891. Serial No. 413,148. (No model.) Patented in Norway July 1, 1891, No. 2,160, and in Great Britain July 11, 1891, No. 9,566.

To all whom it may concern:

Be it known that I, JOHANNES ANDERSSSEN, office-messenger, a subject of the King of Sweden and Norway, and a resident of Christiania, Norway, have invented certain new and useful Improvements in Splashes or Mud-Guards for Carriages, (patented in Norway July 1, 1891, No. 2,160, and in Great Britain July 11, 1891, No. 9,566,) of which the following is a specification.

The carriage-wheels are covered by a cover, which by its special shape and provided with a springy knife prevents mud and water thrown up by the most frequently fast rotatory carriage-wheels from soiling the carriage, which hitherto after a rather short drive upon roads in a bad condition has been subject to a thoroughgoing and time-wasting washing.

Figure 1 shows a carriage with the splashers put on. Fig. 2 is an elevation of the splashers with wheel, on an enlarged scale. Fig. 3 is a plan of the same.

The cover or the proper mud-guard *a* consists of a plate bent in an angle or one-fourth cylinder, the ends *a'* of which plate, as shown on the drawings, are bent outward in order to more easily catch the dirt. This cover, in order to be independent of the elastical movement of the carriage during the driving, is directly fastened to the carriage-axle *b* by means of radial arms *c*, the central part or junction of such arms consisting of a case *d*, embracing the wheel-axle and secured by screws *d'* and some other liners in order to be a good and rigid connection for the cover *a*.

Within the guard *a* a springy knife *e* is placed, which in the same time as it yields to the possible swingings of the guard thereby preventing stones and any large clods of dirt from adhering to the wheels, during the rota-

tion, and sticking fast between the latter and the cover.

When the guard shall be repaired, the screws *d'* are loosened and the whole guard, with arms and case, can be taken away from the wheel-axle *b*.

The apparatus can at a cheap price be placed on any carriage and much time be spared by the washing and cleansing after driving on roads in bad condition, and the destruction of the lacquering thereby be escaped, as you only with a wet rag and some rinse-water can take away the dirt which might possibly adhere between the wheels and the cover, and the apparatus when lightly constructed will also give a neat appearance to cabs, landaus, &c.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

The herein-described splashers or mud-guard, consisting of the semicircular cover *a*, having its end bent outward, radial arms *c*, connected at one end to said cover and forming at their other ends a case *d*, embracing the wheel-axle, screws *d'*, passing through said case and into the axle, and a resilient knife-scraper secured to the inner surface of said cover at one of the ends thereof and adapted to bear against the tire of the wheel, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two witnesses.

JOHANNES ANDERSSSEN.

Witnesses:

AXEL GOTTBRED GRÖNN LAHN,
OSCAR M. WINGE.