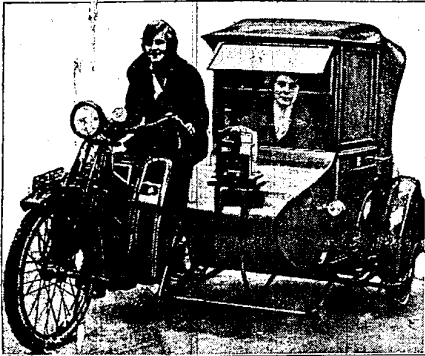


AUTOMOTIVE SECTION

MOTORCYCLE TAXI IS POPULAR



This elaborate motorcycle and covered side car, is very popular as a taxicab in London.

WHEN ACCIDENTS HAPPEN TO AUTO

Motorist in Pleasant Predicament Because He Failed to Take Precaution.

NOTE CIRCUMSTANCES FULLY

Important Point Offered for Jury's Consideration Is Whether Car Was in Rightful Place—Insurance Saves Worry.

To the owner of a new car who is just testing his wings, so to speak, on the highway it may seem foolish to talk of what to do in case an accident happens to his car or through it. But we all know that accidents involving motorcars do happen, though in a majority of cases the car owner is not to blame.

No matter how guileless of wrong the motorist may be unless he knows what to do at the time the accident occurs, knows how to protect himself, in other words, he may find himself in an unpleasant predicament simply because he has failed to take certain precautions.

Note A's Circumstances.

To begin with, the car owner should try to keep his mind as calm as possible and note all the attendant circumstances at the time of the accident. He should get from any bystanders their names and addresses and also those of people in nearby buildings, provided those persons witnessed the accident.

If the motorist knows that the fault has not been with him he should point out to the people whose names he has gathered particular phases of the accident, measure the distance that may be germane to the subject by pacing, if no other means is at hand. Be certain to get some corroboration of the rate of speed at which the car was being driven. If the horn or other

warning signal was sounded be sure to have witnesses ready to help prove this fact.

In case the accident has occurred at the intersection of two streets, it is important to prove that the vehicle had been slowed down before coming to the crossing.

Rightful Place of Car.

One of the most important points offered for a jury's consideration is whether or not the car was in its rightful place in the street. Was it on the right hand side of the thoroughfare, where it belonged? Testimony to this effect will help the defendant. If the emergency brake was firmly set, unprovoked witnesses may be shown this for later use in court.

When an accident happens at night it is important to prove that the lights were properly burning and in order. When the mishap occurs in rainy weather or when the streets are slippery it should be shown if possible that the nonskid chains were in place on the tires.

In case the trouble came when the car was making a turn, call attention to the fact that it was making a wide turn, in accordance with the statutes, and was on the proper side of the road.

If a person has been injured, try to remember his conduct just before the accident. Was he believing in a way to make him guilty of negligence, as, for instance, sheltering himself under an umbrella, and not keeping a proper lookout? Were you, the operator, looking ahead and tending to your driving, or were you talking or otherwise permitting your attention to be distracted?

If you can prove by measurements that you brought your car to a halt within the distance required for checking the progress of a car driven within the legal speed limit, you will have secured a distinct point.

AUTOMOBILE PAINTS

While the United States has one automobile for every 14 inhabitants, England has one for 180 inhabitants, and France one for 198.

TIRE BOOTS AFFORD NEEDED PROTECTION

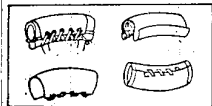
Patches Prevent Inner Tube From Blowing Out.

Several Kinds of Devices in Use—Type Most Generally Used Is Inserted Inside of Casing—Towel Comes in Handy.

A blow-out patch, or boot, is one which is placed either inside or on the outside of a casing to prevent the inner tube from blowing out. If the casing has a weak spot it should of course be vulcanized. If the tire is worth it. But if the tire is so badly worn or damaged as not to be worth vulcanizing, a blow-out patch may be used to strengthen the weak point. There are several kinds in general use.

The "hook on" kind, as the name implies, is a type that hooks on over the tire around the rim of the wheel and securely reinforces the fractured place in the casing. These patches, however, make a rather rough-riding proposition. Every time the wheel goes around and the patch comes in contact with the ground, a distinct jolt is felt by the occupants of the car. A similar boot is also made in the "lace on" style—That is, it can be laced on over the bad place in the casing by a lace which passes through metal eyes in the same manner that a shoe is laced.

Blow-out patches inserted inside the casing prevent the tube from coming in contact with the broken fabric of



Popular Styles of Tire Boots.

the casing, and also from protruding through the opening. Some of these are made with tags which are secured under the rim of the wheel as the tire is applied. This is the type most generally used. Another kind of inner patch is one which is laced on or fastened around the tire and prevents any bulge or contact with the fractured casing. The type of boot that is applied on the inside of the tire does not prevent the entrance of water and sand, and this soon injures the tire further. Strong sections of old casings make serviceable blow-out patches when the head is removed and the edges are thinned down.

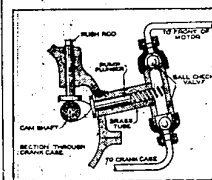
In times of emergency a towel can be pressed into service as a blow-out patch.—Farm and Fireside.

OIL PUMP FIXED ON AUTOMOBILE ENGINE

Prevents Clogging and Burned-Out Bearings.

Illustration Shows Plan for Arranging Force-Feed Oiling System at Small Expense—Operated by One of the Cams.

On an automobile engine which was oiled by the "splash" system, it was found that the oil which conducted the oil from the flywheel to the front part of the engine became clogged, and some burned-out bearings resulted. To prevent the recurrence of this accident, a pump was installed in the oil line and connected to be driven by the cam shaft, as shown in the sketch. The upper part of the motor crank case, on the camshaft side, was drilled out and lapped opposite one of the cams, to take a brass tube, which was directed with a standard pipe thread. This tube was reamed out to a snug fit for a small piece of shafting, which formed the plunger of the pump. Another piece of tubing was screwed onto the first at right angles, and to the end of it, through two cut-check valves, were attached the oil tubes leading to the crank case and to the bearings of the engine. These check valves acted to prevent oil from flowing back to the crank case, while permitting it to flow in the proper direction. On the end of the plunger was



A Simple Plunger Pump, Attached to the Crank Case and Operated by One of the Cams, Provides "Sure-Fire" Oiling for the Auto Engine.

fastened a striking plate of hard steel, against which the cam pushed once during every revolution of the crank shaft. In this way the engine was provided with a force-feed oiling system at small expense.—G. A. Luers, Washington, in Popular Mechanics Magazine.



Ford Ton Truck Cuts Delivery Costs.

THE Ford One-Ton Truck has cut "delivery costs" for thousands of business houses, farmers, factories, corporations, etc. Thousands of owners attest to its economy of operation and maintenance. They call the Ford a real "necessity" in their business. Ask us for a copy of the "Ford—A Business Utility." Read what pleased owners say. It will cost you nothing.

Built of tough Ford Steel with the ever-dependable Ford Motor transmitting power to the aluminum-bronze worm-drive, with demountable rims and pneumatic tires, front and rear, together with the mechanical simplicity, have helped to give the Ford Ton Truck the lowest possible operating and maintenance cost. It is the lowest one-ton motor truck on the market. Add to these practical merits our after-service organization, which insures every truck owner of genuine Ford parts and skilled Ford mechanics, so that the Ford Truck need never be out of service.

To sum up: Serviceability, flexibility, power, durability, lowest first and operating costs, service, all together, are the Ford qualities which cut down expense and will help you cut your "delivery costs."

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Fordson Farm Tractor

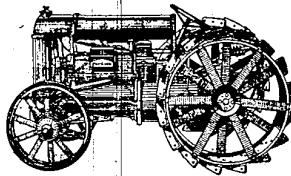
When Henry Ford set about building the Fordson tractor, he had a thorough understanding of just what it should be and what it should do. His early life on the farm gave him a deep insight into the daily life of the farmer; his mechanical genius saw the type of tractor needed. And for more than twelve years he experimented over more than 7,000 acres of land in different kinds of soil, with different crops.

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