

AUTOMOTIVE SECTION

CAPABLE DRIVER FOR AUTOMOBILE

Skilled Mechanic With Knowledge of Rules and Customs of Road Is Great Need

MUST KNOW ROAD MATERIALS

Should Be Observant and Realize That Children on Wagons Drop Off Suddenly—Standard of Conduct Is Set High.

A motorcar needs a driver who is a skillful mechanic, and it also needs a driver who is skillful in manipulating a car on the road. An excellent mechanic is not necessarily a good driver. What is required in a driver besides a general knowledge of his machine is a knowledge of the rules, customs and courtesies of the road and the habits of traffic, also the possession of the qualities of alertness, foresight and a consideration for others. He should have a temperate frame of mind and an abstinence from even moderate drinking.

Needs Be Best Driver.
The motorcar driver needs to be the best driver on the highway, if he is to drive without offence to the public and danger to others and himself, for he has to conduct a vehicle which is more valuable than any other and more speedy.

The complete driver should have a working knowledge of the different materials of which roads are made, of their comparative tendency to cause skidding and of the perils which arise from badly laid street car tracks. He must be observant and realize that children hanging on rear of wagons are apt to drop off suddenly and run across his path. He should also know how to read a road map.

He must be on the lookout for pedestrians, stupid, drunk or deaf, for wagons on the wrong side of the dangerous corners and be prepared to find vehicles in charge of sleepy drivers who will often do the wrong act on

be aroused. Those drivers who have had long practice in the city streets generally have arrived at expertness through training plus the hard school of practical everyday experiences assisted by public supervision and the fear of the results of accidents.

Fine Arts of Driving.
A good driver must know the proper way to drive his car around a corner, both right-handed and left-handed, and the best way to ascend and descend steep grades. Driving at night is another fine art. There is probably greater need for the exercise of patience in driving at night than at any other time.

The driver of an automobile has a large responsibility. The standard of conduct set for him is high. He must possess exceptional qualities as compared with the driver of horses. That he keep in mind and practice the Golden Rule is no small part of his job. In this is involved most of his qualifications as a driver.

How to Face a Valve.
When valves are badly pitted the operation of facing is best carried out in a lathe. Check the valve stem and clean the center in the valve end and support it in the dead center of the lathe stock. If the valves are so hard that facing with a tool is impossible, they may be ground with a wheel in the lathe.

At Home and Abroad.
A nine-year-old youngster who has a cultured mother and has received the most careful training in his young life, had his luncheon alone downtown recently. His family is exceedingly careful of his diet at home, but the boy placed on his own tray baked beans, a dill pickle and brick of ice cream. He timed himself to determine how quickly he could consume the beans with a soup spoon, used a knife and fork for the brick cream, and threw the pickle at a schoolmate who sat at an adjoining table.—Bldo-Rado Times.

Early Grecians.
Excavations in Crete have established the existence of a people whose form of civilization was the earliest in Europe. A huge palace has been unearthed at Knossos with a drainage system described as "absolutely English."

GIVE YOUR AUTO GOOD ATTENTION

Winter Motoring Can Be Made More Pleasant by Giving Car Necessary Care.

WATCH ENGINE VERY CLOSELY

Hood and Radiator Should Be Kept Covered and Anti-Freeze Solution Poured Into Water System—Be Easy on Battery

With the closed car and all sorts of heating apparatus, the more popular than ever, few automobiles are put into storage during the winter.

But manufacturers' conveniences will not make winter motoring pleasant unless the car gets the attention and care necessary for cold-weather driving.

Chief Source of Trouble.
The motorist's greatest attention should be paid toward the engine, for that is the chief source of trouble in winter. He should keep the hood and radiator covered. The gasoline should be cleared of water and other impurities and an anti-freeze solution added to the water system.

The best anti-freeze solution is about a gallon of denatured alcohol, or alcohol and glycerin in equal proportions, to three or four quarts. This mixture is about 10 degrees above zero, Fahrenheit. For colder weather the alcohol mixture should be heavier. If the engine doesn't start immediately on depressing the starter button, the motorist should resort to the pinning and crank method. The battery should not be overworked, for the long nights and short days during winter mean added current for the lights. Besides, the battery's efficiency is lowered with a drop in temperature.

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ALL DRIVERS SHOULD KNOW THESE ANSWERS

Expert Prepares List of Questions for Motorists.

It Will Prove Profitable to Any Automobile Owner to Search for Answer to Any of These—It Will Save Money.

Thomas A. Edison's now famous questionnaire caused a real sensation in practically every part of the country. It caused others to send out questionnaires, some of the serious others in a lighter vein. George H. Kublin, chief engineer of a big motor car company, has prepared a list of questions for motorists in which he asks a number of questions that every automobile owner should be able to answer. "If you are an automobile owner and cannot answer the questions listed below, it will pay you to get the information as, in all probability, knowing the answers will save you a great deal of time and money," says Mr. Kublin.

Number of points of lubrication on your car?

Give at least three reasons for overheating of engine?

Gas and oil consumption per mile?

Road speed in miles per hour at which engine will perform most efficiently and economically?

Firing order of cylinders?

On average road driving at a speed of twenty-five miles per hour what distance is required to bring your car to a stand stop?

Driving in high speed on a level road, what is the lapse of time in seconds to accelerate from five to twenty-five miles per hour?

What is the purpose of the various speeds of a transmission?

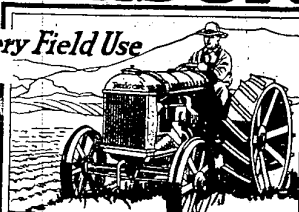
What is the correct grade of lubricant and how should you use for your car?

Points the Way—For Others.

We have no disparaging idealism, but an "idealist" is too frequently a man who has high notions of what the other fellow ought to do.—Boston Transcript.

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