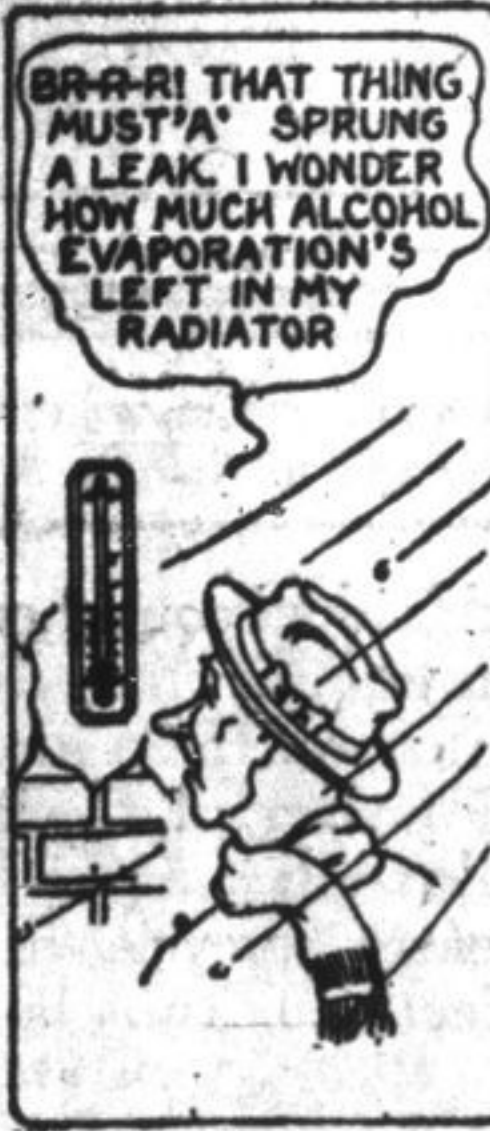


AUTO SENSE

GETTING WINTER SERVICE

By Williamson



CLIP THIS OUT AND PASTE IT IN YOUR NOTEBOOK

ALCOHOL	WATER	WILL FREEZE AT
20%	80%	15° ABOVE
30%	70%	8° BELOW
50%	50%	32° BELOW

Many cars are stored over winter and their owners are deprived of several months of real pleasure because they do not understand how to meet cold weather. Because of this, Doc will devote this entire prescription to the treatment of winter ailments.

Alcohol has tested out to be the best of all anti-freezes. Follow Doc's advice about the hydrometer and your radiator will go through the winter without freezing. You can use the kind of hydrometer used for

testing batteries, but it is best to get one designed for this use. You can get it from any chemist's supply house.

An exhaust heater works as well in a touring car as in a sedan if you use your curtains.

Air cleaners are fine in the dry summer months, but in cold weather your carburetor wants warm, dry air. This should be taken from a "stove" around the exhaust man-

ifold. A piece of cardboard placed over part of the radiator while running, in lieu of shutters, will help you get the temperature up to and hold the summer efficiency point. Throw a blanket over the hood and radiator when you stop, and always park headed into the wind if you want to keep the engine warm.

If you have trouble in starting, any dealer can supply you with an inexpensive electric heater to slip in between the carburetor and exhaust

manifold. Some motorists carry a thermos bottle of hot water to pour over the carburetor to warm it up for starting.

Never race your engine to warm it up. Run it slowly with the radiator covered and the spark retarded until the chilled oil has had a chance to loosen up and reach all moving parts. It may be advisable to use a lighter cylinder oil in winter to get the proper circulation. Consult your dealer on this first.

Inventor Claims to Run Motor Car on Crude Oil

A solution of the problem of how to drive an automobile on crude oil, and at one-third the cost of gaso-

line, is claimed by a Swedish inventor, Nils Anderson, who has perfected an engine attachment for this purpose after several years of experimenting. Anderson's device can readily be installed on any ordinary motor and makes it possible to use

crude oil, kerosene, wood alcohol, or gasoline.

The crux of the problem, says the inventor, was the fact that crude oil cannot be completely vaporized, and without special treatment the residue would clog the engine. He

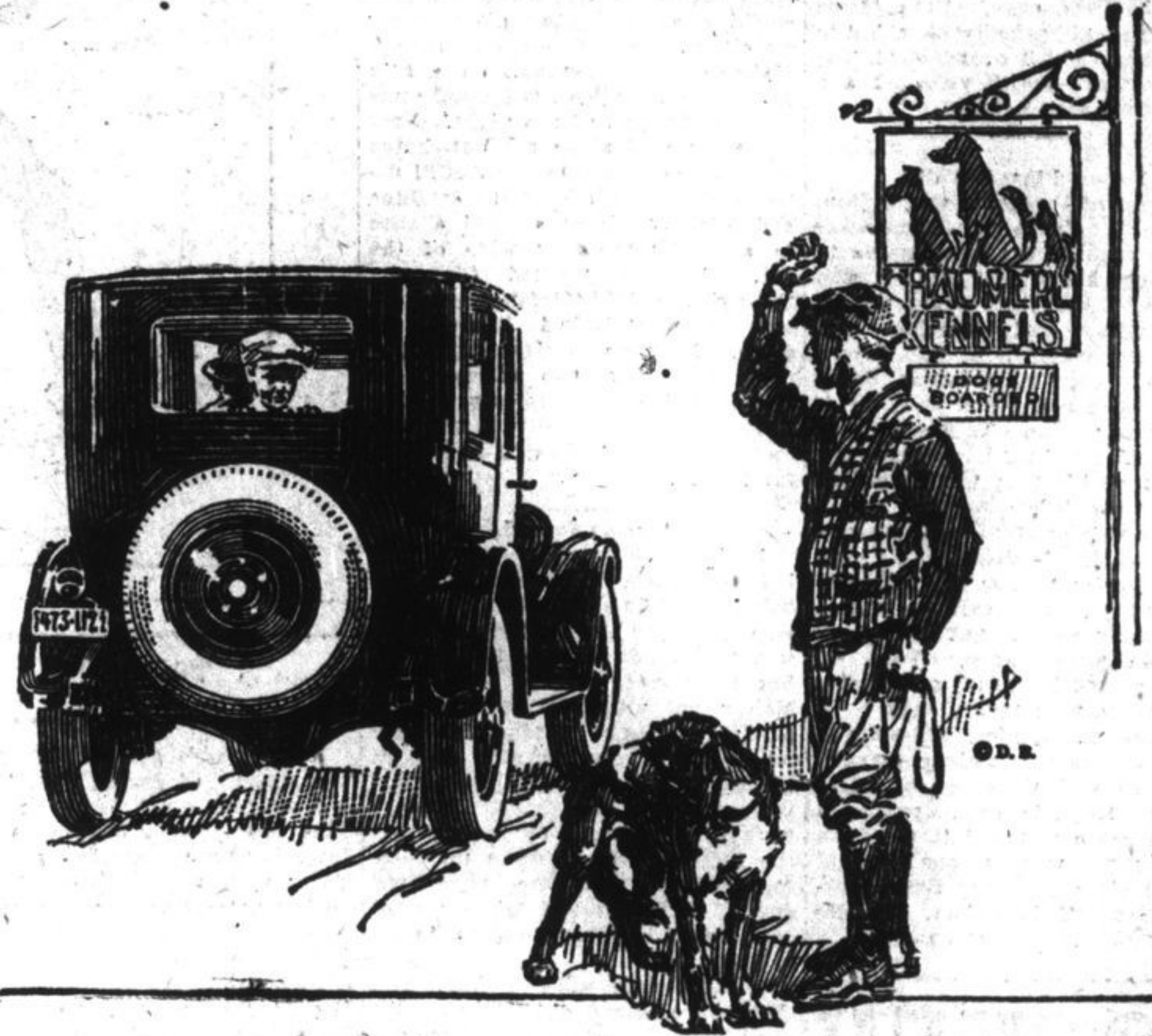
solves this by exposing the oil to intense heat, which shatters such ingredients as cannot be turned into gas. They remain in the form of a combustible fluid and are consumed during the explosion in the cylinder. When using crude oil the motor

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must, however, be started with gasoline from a separate small container, while the oil is carried in the regular gasoline tank of the car.

The crude oil attachment consists of a super-heater, a special carburetor and exhaust pipe, together with the necessary connecting rods for manipulation.

Among the advantages claimed are a small quantity of oil consumed per mile, less lubrication, no overheating of the engine, and a reduction of about 70 per cent. from the cost of running a car on gasoline.

Auto Horns Drive Monks To Secluded Mountain Top

The whirl of modern life, exemplified by automobile horns, radio, telephones and electric lights, is getting too much for the Trappist monks of Banz. Despairing of seclusion in their present monastery near Bamberg, they will soon withdraw to remote part of the Bavarian mountains.

Several sites are under consideration, one of them a mountain top where once stood a baronial castle. Here it is felt that the penitential and silent days of the Trappist brothers could be passed without disturbance.

Shorten Life.
Continued clutching at the steering wheel is said to be changing the lines on the palms of automobilists' hands. Presumably the lighter the grasp the shorter the life line.

Did You Ever.
Need grease for the clutch throw-out collar or the universal joints while travelling and find that you haven't any grease with you? Unscrew the front wheel hub caps and use some of the grease which should be in them.

Find that your brakes do not hold well after travelling a long distance over dusty roads? Drive into the next garage when you buy gas and try wetting the brake lining.

Tight Or Dead.
If, in trying out the demonstrator of a new make of car, you are not certain whether the failure of the car to reveal "snag" and "ginger" is the result of tight bearings or lack of power try the test of noting how long the engine spins after you have switched off the ignition. A tight engine will stop almost instantly.

Competition Brings Cheaper Gasoline to Island of Haiti

Haiti to-day has her gasoline war. The island republic has experienced every degree of warfare from ancient flintlock to modern machine gun but to the joy of the Haitians who are automobile owners, the first gasoline battle is now being waged between garages and small case lot merchants.

For years the price of gasoline has never been lower than 50 cents a gallon at the retail filling stations.

until the small merchant started to butt in and secure a bit of the cream of this high price by handling the commodity in case lots.

Over night the price dropped from 50 to 35 cents a gallon and, with the menace of the small traders, the price from now on will be maintained at approximately this level.

NEW SCHEME TO CONTROL TRAFFIC

Lane at Street Intersections for Those Turning to the Left.

In response to a suggestion offered by M. M. Lucius, secretary of the Automobile Club of Maryland, the Police Department of Baltimore is trying out the feasibility of having a left-centre lane at street intersections for the use of those vehicles intended a left-hand turn.

The plan already has been placed in operation, the police are watching the experiment.

How Scheme Works.
The idea is to mark a pathway along the left-centre of the street for several hundred feet before an intersection is encountered. Those drivers who contemplate turning to the left at the corner may drive their cars along this lane, allowing through traffic or those turning to the right to keep to the right without being hindered.

When the traffic officer turns his "go" signal the two lanes will be segregated and the procession going straight ahead and to the right may move unimpeded by the line turning to the left. The latter, too, will be able to move in perfect order without interference from the other lines.

It is Mr. Lucius' idea that it should be made a violation of traffic rules for a person to enter the

lane unless he makes the left turn. In the case of a motorist staying to the right of the lane, no penalty should be attached other than that he be compelled to go straight ahead or to turn to the right.

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