

## The Freezing Problem

At the first sign of cold weather, safe-guard your water system against frost. Use only denatured alcohol in preparing an anti-freezing solution. It is comparatively cheap, absolutely harmless, and therefore best for the purpose.

Do not use calcium chloride or glycerine. The calcium chloride solution will attack the solder, and the glycerine is injurious to the hose connections to the radiator.

A ten per cent. solution of alcohol will withstand a temperature of 15 deg. above zero. A twenty-five per cent solution will withstand a temperature of zero, and a forty per cent solution will withstand a temperature of 20 deg. below.

Generally speaking, a twenty-five per cent solution will be found sufficient, except under most rigorous conditions. As alcohol evaporates more rapidly than water, any loss should be replaced by equal parts of alcohol and water.

## Keeping Cylinders Clean

It is an excellent plan to keep in the garage an oil gun filled with kerosene. When the car comes in at night and while the engine is still hot, open the pet cocks and inject with an oil gun a teaspoonful of kerosene into each cylinder. Close the pet cocks and spin the engine two or three times by hand. If this is done frequently it will keep the cylinder, piston and valves in fine condition.

## Do These Things Daily

- 1st. Measure your gasoline.
- 2nd. See that the oil supply is ample.
- 3rd. See if your radiator needs filling.
- 4th. Make sure the kerosene lamps are filled.
- 5th. See that tires are amply inflated.
- 6th. Make sure grease and oil cups are full.
- 7th. Retard the spark before starting.