



# AUTOMOBILE NEWS



## NORMAL YEAR IS SEEN BY C. NASH

Automobile Manufacturer Expects Good Business During 1927

That nothing exists in the general business condition of the country today which should cause us to feel we are no longer entitled to expect a normal business for the year 1927 is the opinion of C. W. Nash, president of the Nash Motors company, and a spokesman for the automobile industry.

"While it is a fact," said Nash, "that the cotton crop was too good this year, making the price too low and that early frost damaged some of the corn crop, and in the northwest wet weather damaged wheat to some extent, yet I believe we will emerge from these drawbacks and find ourselves in a rather healthy position."

"I feel that we will not be confronted with too much political turmoil next year and I am of the opinion that if business men as a

whole take a sane view of conditions and operate their various businesses along sane and economical lines, we are bound to have a very satisfactory 1927 business."

"It should not be overlooked that the balance of the world is coming into a little better position to buy more goods from America than have been bought in the past few years. This will also help."

"I am very hopeful that later will recognize the important part it has played in the affairs of our nation and will go along in the same manner it has been following for some time past. This also would have a great bearing on general conditions of 1927."

"So far as the automobile industry in particular is concerned, I feel that its outlook is safe and sound. However, I believe it to be a fact that the automobile business will be done by fewer manufacturing companies in the future than in the past, but that automobiles will be made in large numbers and that they will be made better each year. In this connection, I don't see anything particularly hazardous about the financing of automobiles for the retail buyer when financed on a proper basis."

## Driver Must Select Anti-Freeze; Then Watch for Developments

By ISRAEL KLEIN

(Science Editor, NEA Service)

What to add to the cooling system to keep the water from freezing in cold weather is just as great a puzzle this year as last.

Liquids of all kinds are suggested, canned anti-freeze solutions advertised, yet advantages and disadvantages of each make it a problem for the motorist to know what to use. The best way to solve this is to consider all types of anti-freeze liquids and to apply that which is most appropriate for the conditions under which each driver finds himself.

Winter conditions in the south are much different from winter in the north, so that each territory must have individual attention even in the matter of filling the radiator.

For example, trouble from alcohol evaporation is more likely in the south, where the days are comparatively warm and the nights cold. Sudden change may have an unprotected cooling system and may cause freezing and bursting of the cylinder jackets. In the south, therefore, a liquid like glycerine would be more practical. In the north, the alcohol solution would be cheaper.

**Make Suitable Choice.** For each case, however, the advantages and disadvantages of all types of anti-freeze should be weighed. And when one is finally chosen, measures should be taken to cope with its failings.

Glycerine, for instance, does not evaporate, but its cost is high and it has a tendency to open up the joints in the cooling system by thinning the gaskets and hose, and thus leaking through.

To avoid this, two antilutes may be used. Either pour in a can of radiator liquid with the glycerine solution, to avoid leakage, or pour a pint of cylinder oil on top of the radiator water before draining the radiator.

As the water is drained the oil will form a film over the whole interior surface of the radiator and its connections which will prevent the glycerine from penetrating the joints. Then the water and glycerine solution may be poured into the cooling system.

After running the engine a while with the glycerine in it, tighten the cylinder head bolts and the hose clamps.

**Alcohol Needs Refilling.** There is nothing to do for alcohol, except refill regularly as it evaporates. Its cheapness makes up for the waste.

Many other liquids and anti-freezes have been suggested from time to time, but none to compare with alcohol and glycerine.

Glycol is merely a compound from the pure glycerine, and is just as good as well as costly.

A combination of alcohol and glycerine is used at times, but these faults remain.

Even lubricating oils have been tried as anti-freezing material, but they can't retain as much heat as water, and begin to harden at the least drop of the thermometer. Mixing in cold weather would be almost impossible.

Kerosene is suggested, but its heat capacity is low also. Even common table salt has been used, but it would corrode every bit of metal with which it came into contact.

**Other Liquids Faulty.** Other solutions are honey, which is even higher in viscosity or congealing quality than oil; various sugar solutions which have the same disadvantage; magnesium of calcium chloride, whose faults are those of common salt solutions, and methanol, a form of alcohol, with highly poisonous fumes.

The choice resolves itself, therefore, to denatured alcohol for territories where the cold weather is even through the day and night and glycerine or glycol for other parts.

This choice is based on a list of requirements engineers have set out for anti-freeze solutions. These are:

The liquid must have a low freezing point, must cause no harm to the cooling system through solvent action or corrosion, circulate freely at the lowest operating temperature, boil without decomposition near the boiling point of water, have high heat capacity, be readily obtainable at reasonable price and be non-inflammable.

Following table shows what parts of either glycerine or denatured alcohol should be used with the water in your car's cooling system to keep it from freezing at designated temperatures:

| Per. by volume. | To degrees F. |
|-----------------|---------------|
| 10              | 30            |
| 20              | 20            |
| 30              | 10            |
| 40              | 0             |
| 45              | -10           |
| 50              | -20           |

## NEW COAST ROAD ON OCEAN ROUTE

Another link in the stretch of state highway along the Pacific coast has been completed between Oxnard and San Juan Capistrano. This gives motorists another smooth route from Long Beach into Los Angeles.

## Age-Old Monsters Adorn Automobiles

LONDON, Nov. 27 (AP).—Models of prehistoric monsters have become popular as mascots for motorists. But there are stories of other mascots, too, in which speed is personified. Animals posing in an "on guard" or "look out" attitude are in demand.

The work on the wing continues a favorite, but symbols in flying attitude have been cast into the discard.

Family crests, particularly those with a lion or other animal rampant, are used a great deal.

Phocaard—Do you know why they have stopped putting horns on Ford's?

Phocaard—You've got me.

Phocaard—Cause they look like the devil already.

## La Grande Traffic Ordinance in Effect Day Before Xmas

(Continued From Page Seven)

to a collision or injury resulting from a mistake in judgment or arising from accident shall move away from the place of its occurrence without complying with this section.

Section 21. The drivers of all vehicles shall, within twenty-four hours after causing injury to any person or damage to any vehicle or property, report the same to the police power of the city, or to the sheriff of the county, giving the information obtained as herein before provided.

Section 25. Operation of vehicles while intoxicated. It shall be unlawful for any person under the influence of intoxicating liquor, or any stupefying drug, to drive, operate, or have in charge any vehicle upon any street. It shall also be unlawful for the owner of any vehicle, or any person having such vehicle in charge or in control, to authorize or knowingly allow the same to be driven or operated by any person under influence of intoxicating liquor, or any stupefying drug, upon any street.

Section 26. Vehicles leaving alley. It shall be unlawful for any person to drive a vehicle out of any alley or driveway onto the street without first bringing such vehicle to a complete stop before driving same across the sidewalk or the crossing intersecting the entrance to said alley or driveway.

Section 27. Excessive noise—racing motors. It shall be deemed a violation of

this ordinance for any person in charge or control of any vehicle to make, with such vehicle or any device connected therewith, any excessive noise to annoy the public, or unduly to race his motor while running idle, or to open the muffler on any vehicle.

Section 28. Keep to right of divided driveways.

On any avenue, street or boulevard divided longitudinally by a parkway, walk, curb, station way, or viaduct, vehicles shall keep to the right of such division.

Section 29. Keep to right of obstructions.

A vehicle passing around a circle oval or other form of centralized obstruction, shall keep the right thereof.

Section 40. Keep to right of routing markers. Vehicles shall pass to the right of safety routing markers, and shall pass the same at a slow rate of speed.

Section 41. Parades or processions. Permission for all parades must be obtained from the chief of po-

lice, and he may designate the routes of said parades.

Section 42. Driving through processions.

No vehicle or persons shall be driven or pass through a parade, funeral or other procession except by the direction of a police officer, and electric traffic signals shall be disregarded while such parade or processions is passing.

Section 43. Obstructing street and overloading.

No vehicle shall be allowed to remain upon or be driven through any street so as to block or obstruct the said street; and no ve-

hicle shall be so overloaded that the horse or horses or motive power shall be unable to move it.

Section 44. Removal of disabled vehicles.

Whenever a vehicle becomes stalled upon a street, or when, because of damage or other reason, it cannot be moved by its own power and consequently blockades the street or interferes with the use thereof by other vehicles, it shall be the duty of its owner and its operator to remove the same, by towing or otherwise, within a reasonable time.

(To Be Continued)

## FRANKLIN

CONSIDER the Franklin. It is the car for tomorrow as well as today. Its design and body styles are years in advance. Its performance is better than ever.

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Then, your next car will be a Franklin.

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## Match what Buick gives Against any other car

Study the Buick features listed below. Compare what Buick offers with any other car; see for yourself why the Greatest Buick Ever Built is the greatest motor car value ever offered.

Automatic Heat Control  
Only 4 Oil Changes a Year  
Mechanical 4-Wheel-Brakes  
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4000 Authorized Service Stations  
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Fisher Bodies with VV Windshield  
An Engine Vibrationless Beyond Belief  
Automatic Lubrication—Balanced Wheels  
High-Speed Starting Motor—Sealed Chassis  
Triple-Sealed Engine—Cantilever Rear Springs  
The Torque-Tube Drive—Three Wheelbase Lengths

## JENNINGS & SHUMATE

Adams Avenue

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and give you greater gas mileage and a more efficient motor with more power?

## 4 New Champion Spark Plugs For Ford Cars Only \$2.40

Whiz Auto Top Dressing  
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## LA GRANDE FILLING STATION

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The cost of having us repair the top and side curtains on your car is well worth it. Protection from wind, rain and snow make winter driving comfortable.

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THE GAS HOUSE, La Grande.  
GRANDE RONDE LUMBER CO., Perry, Ore.  
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F. L. BAKER, Palmer Junction.  
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J. J. WAGONER, Summerville, Ore.  
JAY BOSSON, Alsea.  
BRESHEARS STORE, Cove, Ore.  
F. L. TOWLE GARAGE, Cove, Ore.  
OREGON TRAIL GARAGE, Union.  
ACME GARAGE, Union.  
TRAIL SERVICE STATION, Union.  
REX GAMBLE, Union.  
WM. CIEFF, Meacham.  
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JOHN WELLS, Starkey, Ore.  
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Your dealer should carry it if he doesn't.

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