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WE WILL PUT YOU IN TOUCH
WITH THE MAKERS

The Farm Automobile

How to take care of it during the winter

By A. C. Emmett

Many motorists are now beginning to consider the question as to whether the car shall be kept in service during the winter months or put into storage until the spring weather once more makes motoring pleasant and comfortable.

The tendency, however, is to keep the car in service as long as possible and to those who intend doing so a word of caution as to the care of the car during the cold months will be in season. First and foremost the motorist should consider the question of a good non-freezing compound for use in the radiator and for this purpose a mixture of wood alcohol, glycerine and water will be found the best for service in Manitoba and Saskatchewan, where the thermometer has a trick of slipping down to forty below zero. This mixture can be obtained in cans from most of the motor supply houses, but for those who prefer to make up their own mixture the following quantities will be found strong enough to prevent the cooling system from freezing. Glycerine, one-third; wood alcohol, one-third; water, one-third. Have water almost boiling and then add in the glycerine, stirring well so as to ensure a good mixture, and when cooled down add the wood alcohol, again stirring for ten or fifteen minutes. Fill the radiator with required quantity and put away the balance for replenishing radiator from time to time to make up for loss from evaporation.

It will be found necessary with most cars to use a somewhat lighter grade of lubricating oil to that used during the winter months and this will be found particularly necessary by the owners of Ford cars, where the high speed engine demands an oil that will flow freely in the coldest weather. A special oil is kept in stock by most dealers for this purpose.

Where a car is equipped with a storage battery, it will be found necessary to watch it a little more carefully and see that it is kept fully charged and in good working order. Failure to take this precaution is liable to lead to a big expense bill for renewals.

Care must be taken to see that any cuts made in the outer casings are properly and promptly filled with plastic cement or vulcanized, as if left without attention the wet will rot the inside canvas and result in a bad blow out. A stitch in time in this direction will materially reduce upkeep expenses.

In applying non-skid chains, make sure that they are not put on so loose as to allow undue friction on the surface of the tire. Nothing will ruin a tire quicker than continual spinning inside a loose skid chain before traction is secured. The fastening ends of the chains should not be allowed to hang loose and strike the inside of the mudguard every time the wheels make a revolution. This is a somewhat common practice, but should be avoided as the flapping ends will eventually punch a hole thru the mudguard.

Storing the Car

Where the car is to be stored for the winter, the following rules should be observed if the car is to be ready for service in the following spring. Firstly, the car should be thoroughly washed and cleaned and the metal portions of engine and frame brushed over with vaseline, which has been warmed so as to allow it to flow like thin paint. This will prevent the formation of rust and the application of a rag when the car is again taken out of storage will result in all the engine parts being bright and clean. Before applying the vaseline it is, of course, understood that all the accumulations of dirt and grease will have been washed off with coal oil. For the nickel plated parts of a car the use of transparent lacquer is recommended, as it can be easily applied with a brush and need not be removed when the car is first put into commission again, but can be left until the spring rains are over, when it can be easily removed with methylated spirits. Particular care should be taken to see that every drop of water is drained from the cooling system, all pet cocks under radiator and engine being opened and left open.

When this work has been done on the

car and the place selected for storage, the car should be jacked up and the tires removed from the rim and placed in a cool dark place for the winter, but not where there is danger of the rubber becoming frozen. The rims should be rubbed off with sandpaper to remove any traces of rust which may have developed from the year's work, and then given a coating of japan. If tires are cut or damaged, now is a good time to send them to the repair man for attention when ample time can be allowed for a good job.

Unless the owner has a good knowledge of his car and engine, he should not attempt to do more than the lightest mechanical work, as tinkering is liable to make the next repair bill twice as heavy as if the motor had been entrusted to the expert in the first place. There is, however, no reason why the owner should not do the following work for himself and he will at the same time be able to satisfy himself that there are no loose nuts or broken parts.

Overhauling by Owner

1—Remove the wheels and clean all the old grease from the bearings, wash out with coal oil, fill with new grease and then replace.

2—Remove the cylinder heads from the engine and thoroughly wash out all the interior parts with coal oil, turning over the motor several times until the kerosene has drained out. Allow all oil to drain from the crank case and wash this out also with kerosene until the kerosene runs out clean.

3—Remove the top from the gear case and use the coal oil here for washing all gears free from grease. Examine thoroughly to see that none of the gears are loose or broken or the shafts unduly worn. Then repack with grease or oil, whichever is generally used on the car, replace the cover and see that all nuts and bolts are properly replaced and screwed down tight.

4—Clean out the differential in the same manner as gear case and then repack with fresh grease.

5—Remove the storage battery and send it to one of the battery service stations in the city, where it will be stored and charged each month for a very moderate sum, thereby ensuring its being in perfect condition in the spring. If living in the country away from a service station, the battery can be taken out and kept in a fairly warm temperature, but it would be as well before again using it to ship it to one of the service stations for cleaning and re-charging.

6—Put up the top on the car and keep it up thru the winter, as it will keep in better condition than if it is put away in cold storage with all the creases and folds that are there when the top is down. Attention to the details outlined above will ensure the car being in the best possible shape when it is again put into service and the annoying wait for batteries and other little incidentals which are generally met with by the owner who leaves everything to the last minute will be avoided.

A light cover, which can be made from cheese cloth, should be thrown over the car to prevent the accumulation of dust and dirt on the painted parts of the body and will be better if made sufficiently large to cover the entire car and allow

of sufficient loose cloth to tie the cover tightly down over the hub caps of the wheels.

With a weather-tight garage the car will now be in good shape to stand over for the winter and, unlike our friend the horse, will not need feeding and cleaning every day.

When the car has been kept in cold storage thru the winter, it should not be put into a garage or building where the temperature is too warm, but should be allowed to thaw out gradually. If subjected to too quick a change of temperature the paint will crack and peel off.

LORNE SCHOOL FAIR

The second annual School Vegetable Fair was held at Lorne school, October 22, under the auspices of Inspector Gordon and the school trustees, this being part of the school study in agriculture. The vegetables were quite an improvement on last year's in size and quality. In some classes there were as many as nineteen contestants.

A new feature at the fair was the poultry exhibits, comprising a pair of white leghorns and some fine birds were shown.

The attendance at the fair was good, showing the keen interest taken in it by the grown ups as well as the children.

The judging of the vegetables and poultry was ably done by J. Hill and W. C. White of this district.

The vegetables were grown by the children at their several homes. A plot was given to each child who wished to compete and the seeds were provided them by the school district. There were prizes given for the best planned and kept plots.

After the judging and inspection, lunch was kindly provided by the ladies. After partaking of lunch the prizes were distributed by the trustees, G. W. Sandy, S. Andrew and A. Sumgair.

The chairman of the board of trustees called upon a few of the ratepayers of the district to give their views on the school gardening. W. C. White spoke a few words of encouragement to the children, saying that they had exhibited better vegetables than had been shown at some larger fairs where he had been judge. Mr. Ching spoke a few words of encouragement to the competitors who were not successful in obtaining a prize and advised them not to be discouraged, but to try again.

Another feature deserving mention was the raffia work done by the children under the instruction of the teacher, Mrs. E. E. Harris. The articles made included baskets, bags, photo frames and mats, all of which were a great credit to the teacher and children.

Every one present was well pleased with the results of the day.

SOLDIERS' ADDRESSES

In order to facilitate the handling of mail at the front and to insure prompt delivery it is requested that all mail be addressed as follows:—

- (a) Regimental Number.....
- (b) Rank
- (c) Name
- (d) Squadron, Battery or Company.....
- (e) Battalion, Regiment (or other unit), Staff appointment or Department.....
- (f) CANADIAN CONTINGENT
- (g) British Expeditionary Force
- (h) Army Post Office, LONDON, England

Unnecessary mention of higher formations, such as brigades, divisions, is strictly forbidden and causes delay.

Farm Produce

We are receiving large quantities of farm produce, but our business has grown so that for the past month we have not been able to fill orders. Ship us BUTTER, EGGS, POULTRY, HIDES, WOOL, DRESSED MEATS and LIVE-STOCK, anything you produce. We pay the highest cash prices (without middleman's profits.) There is a special demand for Butter, Eggs and Poultry of all kinds. We have on hand a variety of Winter Apples as follows:

No. 1 BATTLE GREENINGS, per barrel	\$4.75
These are an extra good winter apple.	
No. 1 BLENHEIM, per barrel	4.25
No. 1 WINESAPS, per barrel	4.00
No. 1 FALLAWATER, per barrel	3.75

Also several other popular varieties. If you are looking for good apples at right prices don't delay in mailing your order, with money attached, and you will receive our prompt attention. We handle Livestock in carlots on a commission basis.

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