

AUTOMOBILE SECTION

Here is Some Timely Advice for Tourists

Trucks freighting out of Chicago for the preservation of roads and as a time and trouble saver for themselves should carry as extra equipment two planks two inches in thickness and twelve inches in width. These planks should be the maximum length from the center of rear hub to center of front. To be used in conjunction with the planks there should be carried a steel jack capable of lifting the truck by a unit on the hub cap or nose of the wheel.

As a foundation for the jack and a

preventing of sinking in mud or sand there should be carried a plank two inches in thickness and the width of the base of the jack and at least three feet in length.

"This equipment is not only precautionary, but absolutely essential if one desires to make anywhere near schedule time on outlying roads. It will more than pay for itself in saving of time and towing charges," says J. C. Henderson, manager of the touring bureau of the Chicago Motor club.

The formation of a national motor truck transportation organization for the purpose of securing protection against any oppressive arbitrary or

unjust administration of the traffic laws and regulations was decided upon by motor truck owners and managers from nine Eastern states in a recent session held in Philadelphia, Pa.

RAILROAD HEADS FRAME FAREWELL IN SAFETY PLEA

One of the last acts of the officials of the United States railroad administration before turning back the railroads to their former heads was to issue a warning to automobilists that railroad automobile accidents were increasing and to ask their co-operation in lessening these.

Following is what the federal bureau had to say on this point:

"The preamble of the constitution of the United States, among its other splendid declarations, embodies one to secure the blessings of liberty to ourselves and our posterity. And it is apparent that those who framed this preamble had in mind free and unconditional liberty except where violation of law demanded that such be withheld—of this there is no doubt.

"Are you enjoying the liberty conferred by our constitution, and will your posterity continue to enjoy it, or have you, gradually and unknowingly perhaps, permitted yourselves to be deprived of that right until you are no longer free, but a slave to thoughtlessness, recklessness, indifference or carelessness?"

"A pertinent question, one that confronts the American people today and demands an answer. How to answer it correctly and satisfactorily depends much upon the manner in which you give to the conservation of your own life and limb and of those entrusted to your care while in the vast process.

Automotive Notes From Far and Near

Europe has approximately 437,000 automobiles.

Motor fire apparatuses are replacing

horse-drawn vehicles in Boston, Mass.

Elopements in motor cars were first announced in Germany twenty years ago.

Shortage of motor cars in England has brought about a great deal of profiteering there.

With fair treatment, the average motor truck should run in excess of 100,000 miles.

Nearly 475,000,000 worth of motor cars and supplies were sold in Omaha last year.

By installing miniature laboratories on motor trucks, a series of tours is being organized in France for analytically testing the water in wells throughout the old battle area.

The Experts Say

In case the light fails because of trouble in the system it is possible to operate them directly from the generator by disconnecting and tapping the battery leads separately to prevent possible shorts.

The best packing for use in the water pump glands is either wicking, lead and graphite, or waterproof asbestos. If asbestos, loose twisted rope packing is used, seal thoroughly in glycoline oil and cover with fine flake graphite and coil the packing around the shaft in the direction of rotation of the gland nut when tightening it. If packing is too large, squeeze it in a vise, cut to size with snips or heavy scissors. The gland nuts should not be tightened more than necessary to prevent leakage of the water. This should be done without the aid of a wrench.

A backfire or slight popping gack through the carburetor may usually be accepted as a sign of insufficient intake valve tappet clearance. When the intake does not close the burning charge escapes through the valve and ignites the incoming charge in the manifold. Loss of compression causes loss of power and the gas blown back deranges the carburetion momentarily.

When valves are badly pitted the operation of facing is best carried out in a lathe. Chuck the valve stem and clean the center in the valve end and support it by 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 while in the lathe.

A break in the fuel line may be temporarily mended by a number of simple expedients. A bit of rubber tubing slipped over the broken section will do the trick. Other possible emergency repairs may be made with a raw potato, a cork, a generous application of soap, or shellacked cloth and splints.

To facilitate the filling of the grease cups for the forward end of the universal joints, which are located under the floorboards, drill four holes through the floor board directly over the grease cups. Connect the holes with saw cuts, when that section of the board will come out. A slightly larger section should be cut from the rubber mat and four sections of sheet metal are screwed on the cut out block under the section of rubber. This makes a sort of lid which may easily be lifted out to permit access to the grease cups beneath.

Adjusting a cold motor seldom proves satisfactory afterward. Lasting adjustments must be made under the conditions of normal operation, which they aim to improve. This being the case, the motor must run a while and warm up to the usual running heat, and adjusting will then make good in action.

GEORGIAN ADDRESSES HOUSE IN OVERALLS



Representative Upshaw in his overall suit.

Representative William D. Upshaw of Georgia, the only evangelist in congress, is the organizer and pioneer of the congressional overalls club. Glad in overalls he recently made a speech in the house in which he said: "The high cost of clothing was too much for me, but I solved the problem by buying a suit of overalls for \$4.98."

4 STATES COULD CARRY POPULATION IN OWN CARS

In spite of the manufacturing stagnation caused by the war, in spite of strikes and lockouts and industrial unrest, the motor car population of the United States continues to grow in leaps and bounds, says Motor. On November 1, 1919, the motor population of the country was 7,412,647. On this first of January the officials of the various states estimate that the number reached 7,691,623. The latest Government figures available indicate that there are approximately 27,000,000 families in this country. There is a motor car of some sort for every three and a half families. We now have a motor car for every 15.98 persons in our country. Four of our states can now carry their entire population in their own vehicles. These four commonwealths are Iowa, where there is a car for every 6.09 inhabitants; California, with a car for every 6.29 Golden Staters; Nebraska, with a car for each 6.43 of its people, and South Dakota, with one for every seven residents, big and little. Until this year Iowa and Nebraska have been the only two states in this mystic circle. Now California horns her way in and usurps second place.

GOOD ROADS AND THEIR RELATION TO PUBLIC HEALTH

Good roads have a definite bearing upon the health of the future citizens of the towns and rural sections of Cook County. Infant deaths, deaths of women in childbirth, emergency surgical work, all would be lowered if proper and expeditious service could be rendered—much of which depends upon the condition of the roads.

The future development of Public Health Nursing and medical service generally in rural sections will depend upon the transportation. Rural hospitals will also be established as soon as good roads are the rule and not the exception.

Good roads and an automobile for every Public Health Nurse in Cook County should be the concern of all communities interested in the welfare of the sick.

ITEMS OF INTEREST

The National Tuberculosis Association meets in St. Louis April 22, 23 and 24. This is one of the most important public health gatherings in the United States and local communities should send a delegate. Cook County Commissioners have delegated the attendance of all the Cook County Public Health Nurses.

Miss Gannon, of the Red Cross Teaching Center, Garland building, Chicago, is conducting very successful classes in Home Nursing and Dietetics in Barrington. This course is most valuable, but doesn't take the place

of expert nursing in time of severe illness. The Red Cross hopes to place this course in every community in Illinois.

With "Scales and Tape Measure" as the slogan, Cook County Public Health Nurses hope before school closes to weigh every school child and those of pre-school age in every school in Cook

County. Nearly 75 per cent of the schools have been reached.

The Traveling Tuberculosis Clinic, Dr. Abbott in charge, will be in Bellwood, April 19, 10 a. m.; Melrose Park, April 20, 10 a. m.; Maywood, April 21, 10 a. m.; Gross Point, April 22, 10 a. m.; Dunning, April 23, 9:30 a. m.

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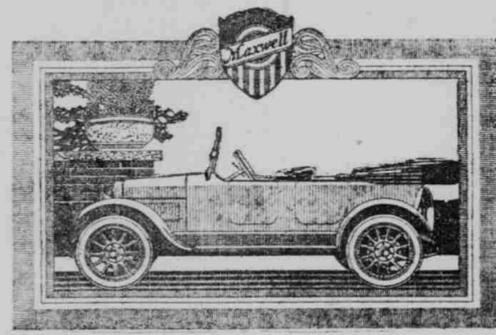
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