

NEEDS OF CAR BEFORE STARTING ON TRIP



Typical Canadian Summer Camp.

Motor touring, the summer pastime of millions, is pleasant directly in proportion to the manner in which the car performs. In the view of officials of the American Automobile association. It is estimated that 44,000,000 persons will take annual vacations this year on the open road.

"The close relationship between the pleasure of the tour and the condition of the car should suggest to every prospective tourist the wisdom of seeing that the car is performing at its best before the trip begins," says a statement.

"Battery, generator, distributor, spark plugs, valves, carburetor, fuel feed system, clutch, transmission, differential, crankcase lubricant, oil filter, steering mechanism, brakes, tires, cooling system, and wheel bearings are the units chiefly recommended by the A. A. A. emergency road service experts for attention before a tour. Summarizing the probable services that each will need, the statement lists:

Battery—Remove corrosion from terminals and inspect connections to see that they have not been eaten by the acid. Replace suspected connections. Coat terminals with vaseline or grease. Fill cells to recommended level with distilled water.

Generator—If device is not automatically controlled as to output, have charging rate reduced for the tour. It diminishes the load on the generator, while turning on the lights serves no other purpose than to keep the battery from becoming overcharged, which is not so likely as generally believed.

Distributor—Clean and adjust breaker points. Apply a thin film of grease to the cam.

Spark Plugs—Clean and check points for condition and clearance. Replacement, if the plugs have seen a year's service, is generally advisable.

Valves—It will pay to have the

valves ground if this has not been done for 7,500 miles, regardless of the gasoline one uses. Valves must seat properly for efficient engine performance. For the tour, it is not wise to adjust them too closely. This means quick valve deterioration and poor performance. Look sharply for burned exhaust valves during the grinding process.

Carburetor—Clean strainer at bottom thoroughly. If mixture is suspected of excessive richness, have it adjusted by an expert.

Fuel Feed System—Drain taps at bottom of main gasoline tank and vacuum tank. Blow out the feed lines.

Clutch—If the release bearing is not the self-lubricating type, take up one turn on the grease cup, the commonly used substitute. Be careful not to turn down the cup so far as to get grease on the plates. Slipping of the clutch is sure to follow.

Transmission and Differential—Drain and flush case and housing and fill up with fresh lubricant.

Crankcase—Drain out old oil, flush with light oil, and refill with the normal—not heavy—lubricant unless the car is accustomed to that grade.

Oil Filter—Inspect the cartridge or straining unit. If it has seen 10,000 miles of service and is the noncleanable type; buy a new one.

Steering—Check for wear, looseness, or binding, and lubricate thoroughly. Hours at a wheel that works hard are exceptionally fatiguing and dangerous.

Brakes—Check for wear on linings and positiveness of equalization. Strange roads and high speeds call for perfect brakes.

Tires—Don't tempt fate with tires that are badly worn. Wear out the old ones in day-to-day service, not on the tour. Higher speeds call for higher tire pressures. From three to five pounds over the normal is essential.

Don't Make a Toy Out of Baby—Babies Have Nerves—By RUTH BRITTAIN



Much of the nervousness in older children can be traced to the over-stimulation during infancy, caused by regarding baby as a sort of animated toy for the amusement of parents, relatives and friends. Baby may be played with, but not for more than a quarter of an hour to an hour daily. Beyond that, being handled, tickled, caused to laugh or even scream, will sometimes result in vomiting, and invariably causes irritability, crying or sleeplessness.

Fretfulness, crying and sleeplessness from this cause can easily be avoided by treating baby with more consideration, but when you just can't see what is making baby restless or upset, better give him a few drops of pure, harmless Castoria. It's amazing to see how quickly it calms baby's nerves and soothes him to sleep; yet it contains no drugs or opiates. It is purely vegetable—the recipe is on the wrapper. Leading physicians prescribe it for colic, cholera, diarrhea, constipation, gas on stomach and bowels, feverishness, loss of sleep and all other "upsets" of babyhood. Over 25 million bottles used a year shows its overwhelming popularity.

With each bottle of Castoria, you get a book on Motherhood, worth its weight in gold. Look for Chas. H. Fletcher's signature on the package so you'll get genuine Castoria. There are many imitations.

GRECKLE OINTMENT
For real satisfaction. It does the work. \$1.25 and 5c. Greckle Face Cream makes your skin beautiful. \$1.25. "FREE BOOKLET." Ask your dealer or write Dr. C. H. Berry Co., 275 Michigan Ave., Chicago.

None Too Good

"What do you think of his tennis?"
"Oh, I think he's singularly bad in doubles and doubly bad in singles."—Passing Show.



The Bus Driver

Buses have to operate on schedule and we make sure of dependable service by using Champion Spark Plugs.

Champion is the better spark plug because it has an exclusive sili-manite insulator specially treated to withstand the much higher temperatures of the modern high-compression engine. Also a new patented solid copper gasket-seal that remains absolutely gas-tight under high compression. Special analysis electrodes which assure a fixed spark-gap under all driving conditions.



CHAMPION Spark Plugs
Toledo, Ohio
Dependable for Every Engine

W. N. U., BALTIMORE, NO. 25-1928.

Broad-Minded Preacher

Declining a fixed salary for the coming year, Rev. Edwin J. Radcliffe of Bloomsburg, Pa., proposed to his congregation that he receive such salary as is contributed in envelopes provided for that purpose, without names of the givers. The congregation accepted his proposal. The minister said he believed that a pastor should share in the adversity or prosperity of his people, and that his compensation should depend on his worth to the individual members of the church.—Exchange.

Playing Their Parts

"How is that new crime play?"
"Fierce. Even the actors murder their parts."

Stable Man Showed Grim Sense of Humor

Add to the true but trying stories of the week the case of the young lady who was most anxious to reach her gentleman friend posthaste. Knowing him to be an ardent horseman and confident that he was riding at the moment, she brought the telephone Red Book. With no more information than the fact that he rode a mount named Molly, she proceeded to query academy after academy.

Eventually, success was to be hers. Nearing the end of her list of numbers, her impatient "hello" was answered by a gruff-voiced stable man. "Is this the Park academy?" she asked.

"Yep," answered the voice. "Well, have you a horse named Molly?"

The answer shocked her into speechlessness. "Sure," said the gruff one. "Shall I bring 'er to the phone?"—Detroit Free Press.

Delving Into the Past

Evidence of the antiquity of man, from the caves of Europe and the deserts of the Near East, will be collected this year by an expedition of the Field Museum of Natural History of Chicago, headed by Henry Field, anthropologist. From the caves and anthropological sites of France, Spain, Germany, Austria, Hungary and Czechoslovakia, Yugo-Slavia, Switzerland and Belgium there will be brought specimens and artifacts, together with notes, sketches and plaster casts to be used in exhibits in the Field museum's proposed hall of prehistoric man. Mr. Field will also visit the north Arabian desert and the excavations at Kish in Mesopotamia.

WORLD CRUISE \$1000

New as "Caledonia" sails Jan. 16, N. Y. and up Havana, Panama, Los Angeles, Hilo, Honolulu, Japan, Hong Kong, Manila, Bangkok, (Siam), Java, Sumatra, Ceylon, India, Egypt, Naples, Monaco, Havre (Paris); Europe stop-over in spring. Hotels, drives, guides, fees, etc., included.

MEDITERRANEAN CRUISE

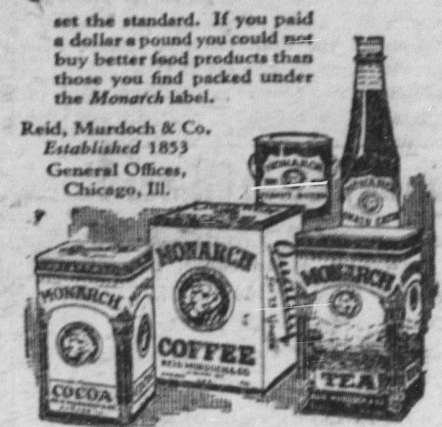
as "Caledonia" Jan. 30, 56 days, \$600 up Frank C. Clark, Times Bldg., N. Y.

Welcome

Mrs. Suburb—Dora! Dora!
Daughter—Yes, ma!
Mrs. Suburb—Run to the piano and play, "Hail to the chief!" Here comes the new girl.

Smartest woman is the one who agrees when a man says another woman is pretty.

MONARCH QUALITY FOOD PRODUCTS



Boys! Girls! Earn money. Sell 12 fast selling Needle Books at 2c. Keep \$1. your commission; send us \$2. We trust you. Write today. E. C. WILLIAMS, Lindley, N. Y.

Opportunity to Become Trained Nurse

Apply Directress of Nurses Northwestern General Hospital Philadelphia, Pa.

Bad Breath? Keep your Stomach Right

EVERY MORNING AND NIGHT TAKE Dr. Thacher's Vegetable SYRUP

Computing Services—Expert Calculators; accurate; quick service; machines furnished. Inventories, payroll, invoices checked, balancing ledgers, statistical work. For terms write B. Lightman, Mer@161 6th Ave., N. Y.

AGENTS. Build yourself a big money making permanent business selling our time saving Mending Fluid. For particulars write The Mendwell Co., Box 869 N. Cincinnati, Ohio.

Why Suffer With Your Stomach After Eating?

We have found a remedy which permits you to eat what you like. It is nature's own remedy. Endorsed by leading doctors, all are amazed by the result. This is not a drug. Particulars for a postal MILMEER, Box 51, Station V, Cincinnati, Ohio

For Poisoned Wounds as Rusty Nail Wounds, Ivy Poisoning, etc.

HANFORD'S BALSAM OF MYRRH Money back for first bottle if not suited. All dealers. Nothing can be lasting when reason does not rule.—Rufus.

HOW TO OPERATE BRAKES ON AUTO

Shift to Low Gear When Descending Steep Grades and Prevent Wear.

Motorists may have trouble with brakes during exceptionally hot weather. There are perhaps two reasons for this. One is that much more touring and driving is done in the summer and the other is that the lubricant in the rear axle becoming thinned by heat often works its way out of the axle end under the brake drum.

During hot spells we often see cars with oil thrown over the brake drums and the inside of the wheels, writes Clyde H. Pratt in the Cleveland Plain Dealer. This is due to heat thinning the lubricant so that it works out. The remedy is to have new grease-retaining washers put in the axle, or put in heavier lubricant, or both.

Less Brake Trouble.

In case of brake troubles due to long hills, there is less of this than in the earlier days of motoring because there have been so many serious accidents due to the burning out of brake linings that in many places at the top of long and dangerous hills we find signs posted warning the driver to use the lower speed gear.

On an average steep hill the second speed gears will hold the car with just a little extra pressure on the brake pedal.

Before starting down a steep hill stop, put the gears into low speed, retard the spark, close the throttle and run down the hill with the clutch engaged.

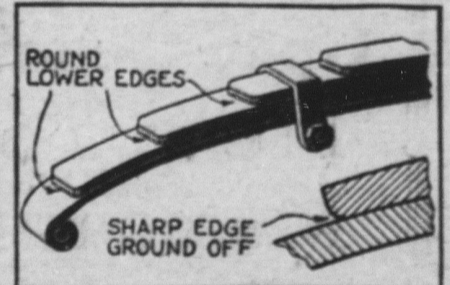
Engine Holds Car.

In going down hill in this way the engine will hold the car back with very little extra use of the brakes. Naturally you cannot drive very fast when using low-speed gears, neither can you drive very fast in going up this same hill, but in going over this kind of road in mountainous country the question of safety must be the driver's first consideration if he intends to live to tell the people at home about his journey.

There evidently are drivers who feel that it is beneath them to take this so-called ultra-precaution. This is perhaps the reason we may see the wrecks of their cars overgrown with bushes along mountain roads.

Round Spring Edges to Prevent Bumpy Motion

Sometimes springs will wear in such a way that the car will ride with a peculiar bumpy motion. This occurs when the shorter leaves are formed so that the edge gradually wears a sec-



Rounding the edge at the lower end of each leaf of the spring will prevent wearing away a depression in the leaf below and preserve smooth spring action even when riding over large bumps.

tion of the leaf below it. When the wheel strikes a bump slightly larger than normal the edge of the spring is forced to ride up over the corner of the depression worn in the lower spring. The cure for this is to round the sharp edge at the lower end of each leaf as shown in the illustration.—Popular Science Monthly.

AUTOMOBILE NOTES

A man can be excused for falling from grace as he has acquired the detour habit in his travels.

If the battery cables are corroded, the full capacity of the battery cannot reach the ignition system.

Certain types of alloy pistons wear rapidly, and if replaced at the proper time an expensive overhaul job may be prevented.

Lack of lubrication makes new cars grow old rapidly. Rattles and squeaks mean that springs and spring shackles are being neglected and require attention.

The speaker made some remark about 3,100 revolutions per minute and it turned out that he really was talking about a new automobile and not Central America.

Automobile concerns spent \$35,000,000 for advertising in 1927 and with local auto advertising the total is in excess of \$50,000,000. This is exclusive of the jokes and esemities.



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Beauty of line and color. Luxury of detail and finish... the smooth unflinching power of the patented sleeve-valve engine and the lowest price in history

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WITH the Willys-Knight, you enjoy the velvet smoothness and silent power of the patented double sleeve-valve engine—the engine which has introduced a new order of carefree motoring to more than 300,000 enthusiastic owners.

Now, with the introduction of the new Standard Six at a record low price, Willys-Knight's lightning pick-up, sustained brilliance, quick starting and marked economy are available to added thousands of owners.

Willys-Knight Sixes from \$995 to \$2095. In the Standard Six, Special Six and Great Six divisions. Price \$, 0. 0. Toledo, Ohio, and specifications subject to change without notice. Willys-Overland, Inc., Toledo, Ohio.

Special Six Sedan \$1495

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Now still further distinguished by added refinements and beautiful new color options.

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