

Expert Tells How To Conserve Gas

An ever-vital issue with America's 27,300,000 passenger car owners is that of "miles-per-gallon," or maximum fuel economy. No matter what the original cost of

the car, or whether purchased new or used, every motorist feels an inner glow of satisfaction if his mileage showing is well above average for his make and type of vehicle. J. M. Crawford, chief engineer for Chevrolet, has set forth a series of suggestions designed to aid every driver in securing the last inch of mileage from each gallon of gasoline.

"Obviously, the better your car's reputation for economical operation, the better off you are in a period when gasoline economy means so much," Mr. Crawford says. "The valve-in-head engine in itself is a guarantee of economy blended with power and performance, three essentials of a desirable motor car. Chevrolet's valve-in-head engine, precision-built for efficiency, ranks among the economy leaders."

Much depends upon the individual driver, however, when highway operating efficiency and economy are considered, it was pointed out. The same auto may be driven by two different motorists with widely varying fuel cost results. In order to strengthen the human factor in the equation, these economical driving hints have been listed.

Drive at moderate speeds—fuel consumption increases as speed advances, jumping sharply beyond 40 miles per hour. And drive at a steady pace when on the highway. After finding the car's most economical "cruising" speed. "Sputtering," or driving at high and lower speeds intermittently, is another gasoline-consumer.

Driving in congested city traffic requires a technique all its own for maximum economy. Ease up on traffic lights, letting the deceleration of your motor slow the car rather than slamming on the brakes for a sudden stop. Don't leap away at the light; accelerate gradually, bringing all three gears into play. Gradual acceleration at all speeds means no waste effort on your car's part, with consequent fuel efficiency.

The ability to regulate your car's motor for maximum efficiency with the type of fuel used is another important factor in gasoline economy, it is pointed out. Chevrolet, for example, provides an octane selector, with which the driver can set his motor for efficient operation on fuels of varied octane rating.

A motor that responds instantly to the starter likewise wastes little fuel before providing transportation. Chary use of the choke is a gasoline-saver. Setting your motor to idle at its minimum idling speed is another means of reducing fuel cost. But, it is advisable not to idle your engine for any considerable time when it is just as easy to shut the engine off. Slipping the clutch or "riding" either clutch or brake is an expensive practice.

Loss of efficiency in any operating part of the car reduces gasoline economy, Chevrolet engineers advise. Proper servicing and regular tune-up can increase mileage as well as longer car life. Regular lubrication, insuring free-running parts, cuts friction, another cost factor. Frequent check-up of the cooling system will save you money, too, for a motor that is overheated or running too cool uses extra fuel.

Several hints about the purchase of gasoline fit into the discussion. First, buy your fuel from a well-operated station where you feel sure that all precautions have been made to assure the quality of the gasoline. Fill your tank early in the morning or in the cool of the evening, not at the hottest part of the day. If possible, park in the shade to avoid the sun's heat which causes evaporation and expansion of the fuel which change its quality. When filling your tank, never fill it to a point where expansion may force the gasoline, either as liquid or fumes, from the tank. Have a Chevrolet mechanic check for any leaks in your fuel line. Rapid evaporation of gasoline at a point of leakage may prevent your discovery of the loss.

Soft tires impose extra effort on your motor. Keep tires properly inflated, for soft tires make your car labor as though it were proceeding through sand. Elementary is the advice not to race your motor. Obviously, this reduces economy. Finally, check your engine compression periodically, keep your spark plugs clean, and don't drag your brakes.

All this makes an imposing list of economy tips, too many to be remembered in detail by any driver. Yet these hints are generally the fundamentals of careful driving, so you are probably observing most of them as a regular practice. Still, Mr. Crawford advises, a review of your individual driving habits may well result in that "extra mile per gallon."

"The use of the summer range shelter helps to eliminate disease and intestinal parasites, puts vigor into the pullets, and makes for better egg size and production by properly developing the birds," Brown said.

Bob Hope In 'Caught in the Draft'



Some people have all the luck! Bob Hope not only lands in the army and blitzkriegs his way to a corporalship and the life of a hero in Paramount's "Caught in the Draft," which opens Thursday at the Liberty Theatre, but he also manages to promote "The Sweetheart of the Army," luscious Dorothy Lamour, the colonel's daughter. Everyone is out of step except Bob and his comedy pals.

3 Steps Necessary To Revive 'Sick' Trees

Home owners throughout North Carolina have trees in their lawns or elsewhere that have a sickly appearance. They may be dying back at the top, or sparsely leafed. They wonder what is the trouble.

R. W. Graeber, Extension forester of N. C. State College, says "sick" shade trees usually need fertilizer, water and a protective leaf mulch. He suggests:

1. A first-year fertilizer treatment of cotton seed meal, sulphate of ammonia and bone meal, applied on soaked ground or watered-in well after the application. In succeeding years the fertilizer treatment should be mostly sulphate of ammonia.

2. Water the trees regularly during the growing season—from early spring to mid-summer. Watering the surface is not enough; in fact it is useless and wasteful. Enough water should be applied to wet the soil thoroughly for a foot in depth. Allowing a small stream to run all night and changing the location on successive nights is an excellent method.

3. Restore Nature's protective mulch by covering the surface with a "blanket" of leaves, woods mulch, or other decaying organic matter to a depth of several inches, and for a distance of at least two-thirds of the branch-spread of the tree. To keep the material from blowing or washing away, a 12-inch light wire mesh fence surrounding the mulched area will provide a good guard.

Graeber said that detailed information on care of ornamental trees and shrubs can be obtained by writing to the Bureau of Plant Industry, U. S. Department of Agriculture, for Farmers' Bulletin No. 1826.

Red, White Hickory In Tool Handles

Hickory, because of its great strength, toughness, and elasticity, is the world's foremost wood for farm tool handles such as the axe, adz, pick, sledge, hammer, and shovel. Hickory is a tree of wide range and although there

are quite a number of kinds of hickory only a few are used commercially, says the U. S. Forest Products Laboratory, Madison, Wis.

Usually only a small portion of a native tree is white wood; this is made into tool handles, and the balance the red or heartwood, is discarded. Many people think that red hickory is not as strong or tough as the white wood, and in selecting wooden handles, will buy only those without the red wood. The Forest Products Laboratory has found in over a half million tests that weight for weight, sound hickory has the same strength, toughness and resistance to shock, regardless of whether it is red, white or a mixture of red and white wood, as the white sapwood turns to reddish heartwood as the tree grows older.

To the farmer who is buying only one handle for a tool, a fairly reliable guide to its strength would be the proportion of solid-looking summerwood or less porous part of each growth ring appearing on the end of the piece. The summerwood is quite easy to tell from the springwood portion of the annual ring, which is full of pores or small holes. Summerwood has much greater strength than the springwood, because it contains more wood substance per unit volume.

Providing the handle or stick is free from knots or other defects at important points and is straight grained, the number of growth rings per inch on the end afford another means of grading hickory. Few growth rings per inch indicate a stronger and tougher stick than one with many rings. A further guide in choosing a good handle, whether it contains red wood or not, is that the best hickory shows an oily or glossy side-grain surface when smoothly finished. When dropped on end on a concrete or other hard surface, a good piece of hickory will have a clear, ringing tone, while a piece of poor quality will produce a dull sound.

Where he applied basic slag in the spring of 1940, John Phillips of Cullowhee, Jackson county, says his red clover is at least 50 per cent better than on untreated land.

Keeping Them On The Farm

We want our children to stay contented on the farm, so we are careful to deal with each child according to his or her desires and ambitions. One boy wants to own livestock, so he is raising a pig and a calf while he dreams of a great future in livestock. Another boy wishes to till the soil, so we gave him a plot of ground to grow whatever he likes; while he plans great agricultural achievements. Still another boy loves to build things for the home, such as bookcases, chairs, and tables, so with a small outlay for materials and a little guiding along that line, he has made several nice pieces of furniture. Our eldest daughter is the home-loving type so it has been easy to keep her contented by teaching her cooking, canning, sewing.

Very often one of the children will sell a piece of work which will enable him to spread out in that branch of work and to develop talents in a way to make this boy or girl more useful to home, school, or community.

Each is required to share in the upkeep of our home and they seem to enjoy doing this. We allow each child the privilege of selecting his own clothes, and often we have a discussion to determine the serviceability of the garment and its suitability for the occasion.—Mrs. Mattie Klut-

POZATOES they were last year but better than was expected when digging started, says Assistant Farm Agent A. L. Eagles.

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1 11:10 - 3:45 - 6:20 - 8:55

6 11:10 - 3:45 - 6:20 - 8:55

10c-20c 10c-30c

Today - Tuesday - Wednesday

ALLEN THEATRE

NOTICE OF SERVICE BY PUBLICATION

North Carolina, Wilkes County. In the Superior Court EDITH BREWER vs. HERMAN BREWER. The defendant Herman Brewer will take notice that an action entitled as above has been commenced in the Superior Court of Wilkes County, North Carolina, for the purpose of an absolute divorce; and the said defendant will further take notice that he is required to appear at the office of the Clerk of Superior Court of Wilkes County on the 20 day of Aug. 1941 and answer or demur to the complaint in said action, or the plaintiff will apply to the court for the relief demanded in said complaint. Dated this 30th day of June 1941. C. C. HAYES, Clerk of Superior Court

NOTICE OF SALE

North Carolina, Wilkes County. Under and by virtue of the power of sale contained in a certain Judgment of the Superior Court of Wilkes County in the case of The Federal Land Bank of Columbia, plaintiff, versus E. L. Spicer, et als, defendants, authorizing and empowering the undersigned commissioner to sell the lands described in a certain mortgage deed under date of the 22d day of March, 1926, executed by E. L. Spicer and wife, Gertie Spicer, to The Federal Land Bank of Columbia, and recorded in Book 126, page 173, in the office of the Register of Deeds for Wilkes County, the undersigned commissioner will expose to sale at public auction to the highest bidder, for cash, at the Courthouse in Wilkesboro, North Carolina, at 12 o'clock, noon, on the 26th day of July, 1941, the following described lands, lying and being in Walnut Grove Township, Wilkes County, and more particularly described and defined as follows, to wit:

All that certain piece, parcel or tract of land containing 31 acres, more or less, situate, lying and being on the Wilkesboro-Traphill Road about 14 miles north from the Town of North Wilkesboro, in Walnut Grove Township, County of Wilkes and State of North Carolina, having such shapes, metes, courses and distances as will more fully appear by reference to a plat thereof made by Charlie Miles, County Surveyor, on the 27th day of February, 1926, and attached to the abstract now on file with The Federal Land Bank of Columbia; the same being bounded on the north by the lands of R. F. Asher and Bruce Billings, on the east by the Church lot and Schoolhouse lot and the lands of Burl Alexander heirs; on the south and west by the lands of E. G. Walters. This is the same tract of land heretofore conveyed to E. L. Spicer by Emory U. Burchette and wife by deed dated September 15, 1920, and recorded September 17, 1920, in Book 110, Page 491, in the office of the Register of Deeds for Wilkes County.

THE FOLLOWING LANDS ARE EXCEPTED FROM THE LANDS ABOVE DESCRIBED, AND WILL NOT BE SOLD: First Tract: Beginning at an iron stake in the center of the highway, Bruce Billings' corner, and running with Bruce Billings' line north 87 degrees west 133 feet to a stake in Bruce Billings' line; thence south 4 degrees 5 minutes west parallel with the center line of the highway 348 feet to a stake in N. V. Alexander's line; thence with N. V. Alexander's line north 67 degrees, 35 minutes east 148 ft. to an iron stake in the center of the highway; thence north 4 deg. 5 minutes east 286 ft. to the beginning. Containing one acre.

Second Tract: Beginning in Bruce Billings' line at the westward point called for in the above one-acre tract and running north 87 deg. west with Bruce Billings' line 60 ft. to an iron stake; thence south 4 deg. 5 minutes west parallel with the center line of highway 380 ft. to an iron stake in the Alexander line, thence north 67 deg. 35 minutes east with the N. V. Alexander line 70 ft. to a stake, the southwest corner of the one-acre tract; thence with the west line of the one-acre tract north 4 deg. 5 minutes east 348 ft. to the beginning. Containing one-half of an acre. That the true dividing line between the Church property and the defendants' Spicer's property referred to in the order is as follows: Beginning at an iron stake in the Bruce Billings' line 33 ft. west of Bruce Billings' corner in the center of the highway, running south 4 deg. 5 minutes west 380 feet to an iron stake in the N. V. Alexander line, 218 ft. southwest of the iron stake in the center of the highway.

The terms of sale are cash. No bid will be accepted unless its maker shall deposit with the commissioner the sum of ten per cent (10%) of the amount bid as a forfeit and guaranty, the same to be credited on his bid when accepted. Notice is now given that said lands will be re-sold immediately at the same place, upon the same terms, on the same day, unless said deposit is made.

Every deposit not forfeited or accepted will be promptly returned to the maker upon expiration of the period allowed by law for the confirmation of said sale. This sale will be made subject to the confirmation of the Court. This the 20th day of June, 1941. ELEANOR SMOAK, Commissioner.

7-21-4t (m)

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