

Ford

THE UNIVERSAL CAR



Attention Ford Owners!

Ford parts, like almost everything else worth while, are counterfeited. Imitation parts are manufactured to **SELL** at the highest possible rate of profit and the grades of steel used are consequently not the same high quality, specially heat-treated alloy steels specified in Ford formulas for the manufacture of **GENUINE FORD PARTS**.

Don't be misled—Insist upon **GENUINE FORD PARTS** made by the Ford Motor Company. By so doing you will get from 35 to 100 per cent more wear from them, and you will pay the lowest possible cost—the same everywhere.

**50% OF GENUINE FORD PARTS
RETAIL FOR LESS THAN 10c EACH**

Ask for Parts Price List

When your Ford car, or Fordson tractor needs attention, call on us. For remember we are properly equipped, employ competent mechanics, and use Genuine Ford and Fordson parts in all repair work:

FORD SALES & SERVICE

Phone 151

Farmington, Mich.

GARAGE OWNERS DISREGARD LAW

Secretary Emmerson Says Cars Brought in for Repairs Are Not Registered.

INCREASING NUMBER OF CARS

Legislature Finds It Difficult to Keep Pace With Conditions—Dulletons Would Assist in Finding Stolen Autos.

Few public garages are complying with the law requiring the registration of all automobiles brought in for storage or repairs. Secretary of State Emmerson (Illinois) declares.

The legislature, Secretary Emmerson asserted, is finding difficulty in keeping pace with conditions brought about by the increasing number of automobiles and the garage registration law was passed as an intended aid to the recovery of stolen cars. Twenty-five years ago, the secretary pointed out, there were four automobiles in the United States. Today the number is something like 10,500,000.

Pass Mark Last Year.

"In Illinois," he said, "our hard road system is predicated upon the expectation of a continued prosperity for the automobile trade. In 1917, when the \$50,000,000 bond issue was adopted, careful estimates were made of a probable automotive future. It was estimated that the saturation point would be 6,000,000 cars and that this point would be reached in 1924. We passed this mark last year and will exceed it by 100,000 this year.

"Of all the automobile laws the one most generally ignored is that requiring garage owners to keep a register of the numbers of all automobiles brought into the garage.

"If it is a good law it should be observed and if it is not a good law it should be repealed.

"The purpose of the law was to assist in finding stolen automobiles.

"I am required, under an act of the last general assembly, to issue a weekly bulletin, giving the numbers of all stolen automobiles which are reported to me by the police officers and sheriffs in various sections of the state. These bulletins are sent to all police officers and sheriffs and if each garage kept a register of cars brought in for repairs or storage it would greatly aid in finding the missing automobiles.

Protects Garage Man.

"In many instances it would be a protection to the garage owner. Not long ago a garage owner wrote in and asked to have a special number given to an engine of an automobile which he had in storage in his shop, in order that he might sell the car to pay for storage and repairs. Investigation showed that the car had been brought in, a number of accessories ordered put on it, and the owner had never called for it. This engine number he had in mind was evidently the car had been stolen. We refused to issue the special number because it would be aiding in the disposal of a stolen automobile.

"If the garage owner had obeyed the law and looked for the number when the car was brought in he would have discovered use deception and prevented the running up of a bill for storage and accessories."

Clean Distributor Head.

Do not overlook the distributor head in your spring cleaning. Remove it carefully and clean out the dust around the segments with gasoline and a cloth. If the segments are very black use fine sandpaper and wipe off carefully afterward. Finish with a little oil on finger.

YOU AUTO KNOW

That it is extremely dangerous to allow an automobile engine to run in a small garage or other enclosed space, unless the door is open and there is plenty of ventilation. The danger is not to the car itself, but to those who are in the garage, for the exhaust from the engine, mixing with the air, forms carbon monoxide and carbon dioxide—the latter being carbonic acid gas which is deadly to all living organisms. In addition, the carbon monoxide is also extremely dangerous and the nitrogen in the air, from which the oxygen has been taken, forms still another menace.

These gases, which issue rapidly from the exhaust pipe of the car and the other being formed as a result of this issuance, will, in an amazingly short time, reduce the air in a small garage to a point where it is highly poisonous. For this reason, a gasoline motor should never be allowed to run in order to "heat up" a garage, nor should the driver permit the engine to warm itself up unless the door of the garage is wide open.

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Great Truth.

Reflect that the chief source of all evils to man, and of baseness and cowardice, is not death, but the fear of death.—Epictetus.

SECURE MOST SEED OUT OF AUTOMOBILE

Motor Pulls Best When Throttle Is Partly Open.

Adjustment Depends on Carburetor and Particular Make of Car—Perfect Mixture Will Always Make Strongest Explosion.

The purpose of a throttle in an automobile is to control the speed and power output of the motor. Under usual conditions the wider the throttle is opened the greater the speed of the car and the more power the engine will develop. In theory this should always be so, but in practice it is not, writes G. W. Benson in the Orange Judd Farmer. Every experienced driver knows that the throttle cannot be closed, the greatest speed and the most power is not developed when the throttle is fully opened but when it is only partially opened.

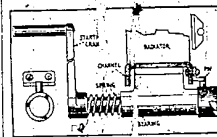
In a slow heavy pull up a hill or in the mud the motor will pull better and hang on longer if the throttle is partly closed. The same thing is true in speeding. Just how much to open the throttle under these conditions depends upon the adjustment of the carburetor and the make of the car. Usually it is about half the maximum opening. The driver could experiment with his own car and find out which opening will be best for his own particular car.

The reason for this is that carburetors are not perfect. If properly adjusted for one speed, they will not be right for another speed. Unless the motor gets a perfect mixture it will not get the strongest explosion. A certain amount of air will absorb only a certain amount of gasoline vapor. A mixture containing less vapor than this will have excess which does not burn during the explosion. If it has excess vapor some of the vapor does not burn. In either case the explosion is weaker than it should be. Keeping the throttle partly open tends to correct one of the faults of the carburetor and give a more perfect mixture. Try it the next time you climb a long hill on high.

HOLDER FOR STARTING CRANK

Arrangement Outlined for Keeping Device in Place Will Be Found Very Effective.

On some other types of automobiles no provision has been made for securing the starting crank when it was disengaged. The arrangement shown here, with for holding the starting crank is easy to make and apply and will be found very effective. The sketch shows



The Pin on the Jaw-latch that Slips Into a Notch for a Sliding Crank in an Upright Position.

The usual jaw-latch shaft held in a bearing fastened to the underside of the radiator cap.

The crank holding device consists of a hardened steel plate driven in the large part of the shaft so that it will engage the slot when the spring forces it outward. When cranking the motor the pin clears the slot plate. The pin is either a drive fit in the clutch shaft or is threaded. If the shaft is hardened it will be necessary to anneal it before trying to drill the hole. Burr Bennett, a Popular Science Monthly.

KEEP OVERFLOW PIPE CLEAN

If Not Clear Water Will Leak Through Filter Cap, and Flood Through the Vent Pipe.

In filling the radiator of the car allow enough water to pass in to bring the level over the end of the vent pipe. If this pipe is clear, as it always should be, the fact will be indicated by the overflowing of the water through it. If it is not clear, the water will overflow through the filter cap and not through the vent pipe, which should be attended to at once.

RAIN WATER BEST TO USE

It is Free From Mineral Substances Which Are Deposited on Metal Walls of Radiator.

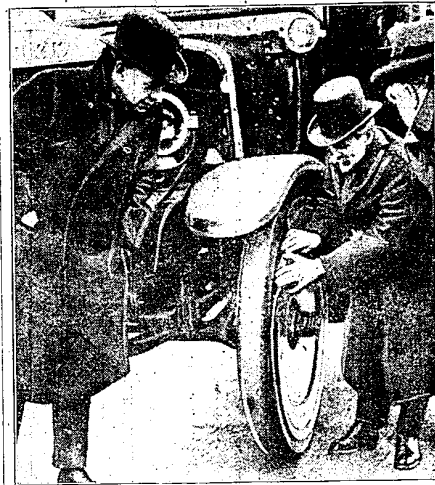
Not all car owners know that pure rain water is the best that can be used in the cooling system. This is because it is free from mineral substances which are present in ordinary water and which are deposited on the metal walls of the radiator, piping, jackets, etc., to their detriment. When rain water is available always use it.

AUTOMOBILE NEWS

It is very important that a tire has been changed that the rim shall be properly adjusted.

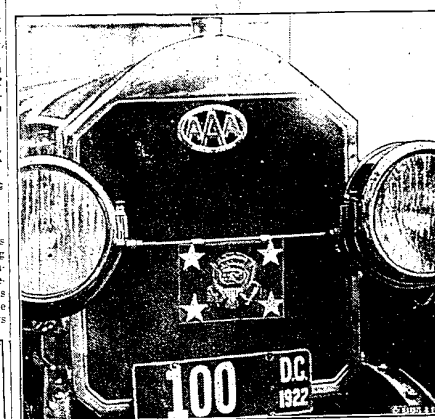
Automobile spectators should familiarize themselves with the new traffic ordinances and make every effort to obey them to the letter.

ANTI-MUD-SPLASHING DEVICE IS NEW INVENTION FOR AUTOMOBILES



The anti-mud-splashing device invented by W. G. Smith of Hove, England, was tested recently and the experiments proved an entire success. The automobile passing along a muddy road without splashing a white sheet placed in the road as the car is swiftly driven by. The photograph shows Mr. Smith explaining his invention at auto hub.

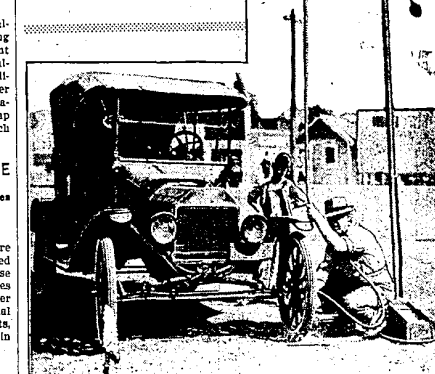
AUTOMOBILE TAG NUMBER 100 FOR 1922 HANGS ON PRESIDENT'S CAR



District of Columbia auto tag number 100 for 1922 hangs proudly on the President's car and is eagerly sought by those who are anxious to get a peek at the chief executive. This picture of the front of the presidential car shows the President's crest surrounded by four stars, the insignia which denotes his rank as commander-in-chief of the army and navy.

NOVEL DEVICE RELIEVES AUTOIST FROM BOTHERING WITH AIR HOSE

The device shown in the photograph relieves the autoist of the job of rolling up the air hose after filling his tires at the corner service station. The long lever and heavy weight take care of the hose and one fills his tires; lets go of the hose; and the machine does the rest.



Haven't the Time. Leaders of men are seldom followers of fashion.—Boston Transcript.

Hardly. Love laughs at locksmiths, but not when a man is jailed for the dokeyment of alimony.

Try a liner for results.

Highway Motor Bus Company

Schedule Effective May 1st, 1922.

Farmington, Ar.	6:15	7:15	8:15	9:15	10:15	11:15	12:15	1:15	2:15	3:15	4:15	5:15
Emfin, Jctn.	6:22	7:22	8:22	9:22	10:22	11:22	12:22	1:22	2:22	3:22	4:22	5:22
Clarenceville	6:27	7:27	8:27	9:27	10:27	11:27	12:27	1:27	2:27	3:27	4:27	5:27
Five Points	6:32	7:32	8:32	9:32	10:32	11:32	12:32	1:32	2:32	3:32	4:32	5:32
Redford	6:38	7:38	8:38	9:38	10:38	11:38	12:38	1:38	2:38	3:38	4:38	5:38
Strathmore	6:42	7:42	8:42	9:42	10:42	11:42	12:42	1:42	2:42	3:42	4:42	5:42
Detroit, Ar.	7:04	8:04	9:04	10:04	11:04	12:04	1:04	2:04	3:04	4:04	5:04	6:04

Detroit, Lv.	7:10	8:10	9:10	10:10	11:10	12:10	1:10	2:10	3:10	4:10	5:10	6:10
Strathmore	7:22	8:22	9:22	10:22	11:22	12:22	1:22	2:22	3:22	4:22	5:22	6:22
Redford	7:38	8:38	9:38	10:38	11:38	12:38	1:38	2:38	3:38	4:38	5:38	6:38
Five Points	7:42	8:42	9:42	10:42	11:42	12:42	1:42	2:42	3:42	4:42	5:42	6:42
Clarenceville	7:47	8:47	9:47	10:47	11:47	12:47	1:47	2:47	3:47	4:47	5:47	6:47
Emfin, Jctn.	7:52	8:52	9:52	10:52	11:52	12:52	1:52	2:52	3:52	4:52	5:52	6:52
Farmington, Ar.	7:59	8:59	9:59	10:59	11:59	12:59	1:59	2:59	3:59	4:59	5:59	6:59

Ferland's Needlecraft and Art Shop

We carry an exclusive line of imported and art goods in Maderia—Portia—French and Italian embroideries and lace.

Also a full line of silks, satins and Georgette Gowns and Tricotone and serge dresses

We specialize in infants' wear and ladies' silk lingerie.

1627 GRAND RIVER, AVE., DETROIT.
In Ferry Field Building Near West Grand Boulevard.

TO COVER UP PEDAL SLOTS

Prevent Drafts in Winter by Tacking Piece of Heavy Material Over Holes in Floor.

To close up the pedal slots in floor boards to prevent drafts in cold weather, tack a piece of canvas or sheet rubber on the under side of the board over the slot. Cut a slit in the material just large enough for the pedal levers to pass through, making sure that their motion is not impeded.

Free Oil Holes.

Exposed oil holes are bound to fill up with dirt and old grease. It is well to clean out the choked parts and free the holes to assure thorough lubrication at all working parts.

A not infrequent cause of hard starting is over-richness of the mixture.

Clogging of the cooling system may be prevented by cleaning it at least twice a year with soda.

Rubber is very quickly disintegrated by oil, and at the same time it has a most unfortunate capacity to absorb the oil.

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