



# Exhaust Echoes



## CHEMIST FINDS WAY TO HELP GAS TRADE

London Chemist Has Invented Process to Use Up Heavier Coal Oil Product in Motors.

## REUDCES COST OF FUEL

Any Coal Gas Containing Hydrogen May Be Used in Process.

After all, perhaps motor fuel will be plentiful and reasonable in price. A London chemist, W. A. Hall, has invented a process for making it from kerosene and it consists in taking the fraction of kerosene (from which the gasoline has all, or substantially all, been stripped) boiling up to about 220 degrees Centigrade, and passing this fraction, which constitutes the spirit or drying portion of the oil, between very small interstices under a very high pressure, which may be from 1,000 pounds per square inch to even 3,000 pounds per square inch or more, in the presence of a gas containing hydrogen or a hydrocarbon gas at a temperature not above that of the lowest boiling point of the liquid, say 100 degrees to 120 degrees Centigrade.

By this means there results a combination of the gas and the liquid hydrocarbon, causing a certain amount of hydrogenation of the latter, the result being a considerable lowering of the flash point of the liquid hydrocarbon and an alteration of the odor.

Apparatus for producing this combination of the gas and oil may consist of a form of homogenizer of the kind used in homogenizing milk, consisting of a series of metal disks or plugs between or through which the liquid is forced in the presence of the gas. The metal disks or plugs are preferably made of nickel and may be very finely grooved, i.e., may be provided with mere scratch marks. The gas employed may be hydrogen, or any coal gas containing hydrogen, or hydrocarbon gas such as oil gas or acetylene.

### Driver Enlists.

Joseph Boyer, Jr., a race driver of note, bade good-by to his friends last Saturday and left for Mineola, L. I., to take up work as a lieutenant with the aviation corps in training there. Boyer's daring as a race driver and his fondness for aviation have aroused enthusiastic predictions among his friends as regards his future in the aero field.

## "An Old Car"

By Walt Mason

I GAZED upon an ancient Haynes, all scarred and marred with travel stains. I gazed upon its ancient form, which had survived the stress and storm of endless roads and changing climes, this boat so much behind the times.

I asked the cheerful owner why he didn't loosen up and buy a modern car, and he replied, "I couldn't beat this if I tried. For seven years it's climbed the hills and gamboied by the babbling rills, and pushed its way through mud and sand, and earned its keep, to beat the band."

"I'm always saying, 'Well, next spring I'll get a modern car, by jing.' But when the gentle spring has come, and winter's voice at last is dumb, this good old car works so serene, and drinks so little gasoline, and is so faithful and so true, I wouldn't swap for one that's new. She's run a hundred thousand miles, and, though away behind the styles, she's sound and husky as of yore; she'll run a hundred thousand more."

There are a million folks like me, and with my words they will agree. They're looking for a car to last until life's fitful dream is past.

And there is evidence at hand to show the Haynes meets this demand.

## PUTS LIQUOR INTO TIRES TO EVADE VIRGINIA LAWS

Southern Officials Check Cars to Capture Liquor Smugglers.

Pumping liquor into automobile tires is the latest scheme to smuggle wet goods into "dry" West Virginia. The liquor is purchased in Maryland towns and taken to a point near the West Virginia line, and there pumped into the tires and hauled to Martinsburg, W. Va.

Street Commissioner Orrick of Hagerstown, Mr., received a report of the trick from several sources and advised the chief of police to be on the lookout for the smugglers. "This may account for the difficulty of some automobiles to stick to the right side of the road," Orrick observed.

### Motor Census.

A comprehensive motor car census, covering the entire state of Arizona, has been completed for the Arizona Council of Defense. The census gives the make, capacity and name of owner of every motor truck and touring car in Arizona, all cars of fire-passer capacity and up being listed.

## RECORDS OF CARS MUST BE WATCHED BY BUYERS

Winnetka Manager Says Economy Records Should Be Considered.

A. W. Sieglaff, local Willys-Overland dealer, insists that gasoline mileage reports should be regarded seriously and investigated before the prospective purchaser decides which automobile he will buy. Reports on fuel economy can furnish an indication of the merits of the car, he declares.

"Now that the motor car has found its way into the utility classification and the public has become educated concerning it, the average person has learned to take definite figures concerning gasoline mileage with a grain of salt," said Mr. Sieglaff. "He knows that the amount of gasoline used for each mile of travel in an automobile depends largely on the experience of the driver, the roads, traffic conditions and the grade of fuel which is used."

"Nevertheless, those figures should not be ignored. If they are so excessive as to attract attention, there must be some unusual merit attached to the performance of the car, or the claims are absolutely fraudulent."

"In order to determine just how much confidence should be placed in those figures, the prospective purchaser should demand a demonstration of the car under the same conditions that existed when the big gasoline mileage was obtained. If the

demonstration bears out the claims made in behalf of the car, he can then do the same thing with other makes of cars, and in the end he will know just which car will produce the best results under like circumstances.

"Wide attention has been attached to our Country Club models on account of the big gasoline mileage figures which have been obtained with them."

"But now, when a prospective purchaser asks me if a Country Club car will always produce big gasoline figures, I simply tell him it should do so under certain circumstances. An inexperienced driver or densely crowded streets, however, might reduce those figures considerably."

"What we want the prospective purchaser to do is to witness a demonstration of the Country Club, satisfy himself that it has unusual fuel economy merits, and then compare its performance with that of other cars of similar class. We feel positive, in our minds, that this comparison will mean a sale for the Country Club."

### Damages.

The Illinois appellate court decided that a garage man who is driving an auto between his shop and the home of its owner, who has ordered its repair, is liable for damages in a collision with a third party, the owner of the car not sharing the responsibility.

### The Paige Sedan

Sells for \$2,700. We have a 1916 Paige Sedan for \$1,250.

### The Winton Six

Seven-passenger car sells at \$3,500. We have a Winton Six in good condition for \$650.

### The Case Car

Seven-passenger Touring sells at about \$1,400. We

have one nearly new at \$600.

### The Oldsmobile Eight

Sells at \$1,490. We have a new one for \$1,250.

### The Detroit Electric

Double drive, with pneumatic tires, sells for about \$3,000. We have one like new for \$1,100.

### Woods Electric

In good condition for \$225.

## WANTED---Second Hand Franklin Cars

## C. E. BRIDGES

Evanston Franklin Car Company

Tel. Evanston 5886

510 Davis Street



28 to 32 No. 5th Ave. Near Madison Street, Chicago

Ten Course Table d'Hote Dinner Sundays and Holidays.

Popular Price Restaurant Vocal and Instrumental Music

# Think It Over

How often the seemingly trivial neglects of a day are responsible for the disappointments of months and even years later.

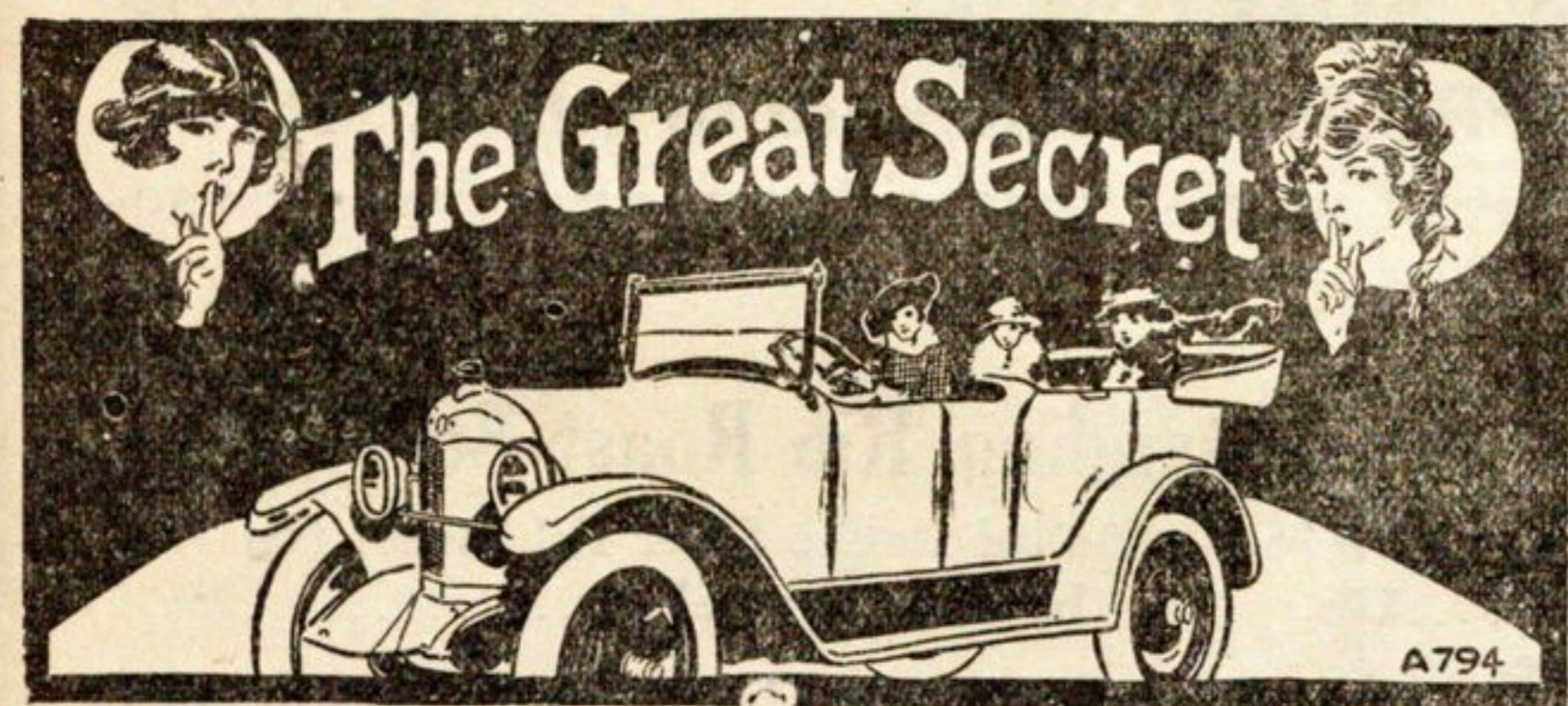
We fail to meet our insurance premiums on the day they fall due; we neglect to place an order for goods when market prices are at their lowest ebb; we fail to give our loved ones the pleasure which only a motor car can give by not buying that car now. And we have missed the chance—perhaps forever, of doing the good we planned to do for months. The old folks may have passed away; the wife and children become delicate in health. And so

it goes—postponed pleasures are seldom realized.

"A little later; I can't afford a car just now"—that's what you said—but you can afford to buy that car now; you can afford to give your loved ones the supreme pleasure of motoring, if you but WILL do it now.

A Haynes car will give you all you will ask of a car and more. Our easy payment plan makes it all the easier for you to own that car without further delay—today.

Phone Wilmette 587 or 1883.



## The Great Secret of Low Upkeep Is Good and Efficient KEEP-UP!

Employ periodically, those who know how to overhaul your car. If trouble is brewing, it can thus be nipped in the bud, and extensive and expensive repairs, or duplication of parts, avoided. It's the way to keep the car in first-class running order at all times.

## WINNETKA MOTOR CO.

PHONE 166

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562 LINCOLN AVE.

WINNETKA

EXPERT REPAIRING

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