

### NO DILUTION OF GAS IS REPORT

#### Charges of Mixing it With Kerosene Investigated by A. A. A.

PORTLAND, May 11—During the recent gasoline war the price of gasoline dropped to such a low point that numerous complaints were made regarding the fact that gasoline was being diluted with kerosene allowing for a lessening in price through a lowering in quality. Following is a report rendered by the research department of the American Automobile Association Headquarters at Washington, D. C., in answer to an inquiry regarding this complaint:

"Our investigation of the charge that the practice of diluting gasoline with kerosene is widespread throughout the United States has failed to show that the charge has any basis in fact.

"Certain cities have been for some time the scenes of every active price war. Distributors of gasoline in these cities have cut prices from two to five cents under the normal market price. Keen competition is said to have resulted in

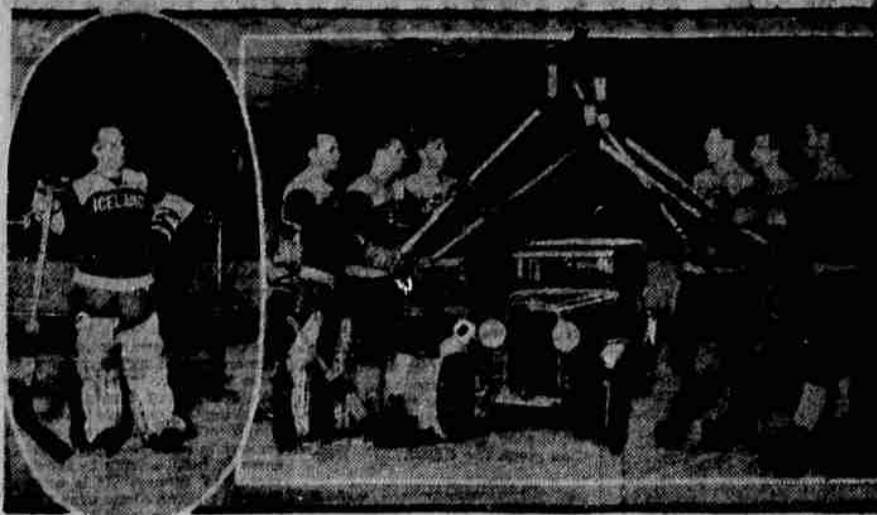
dilution by some in order to meet low prices.

"The Bureau of Mines states that their semi-annual investigations of the quality of gasoline at typical points throughout the United States show no evidence of dilution. In fact, the Bureau finds that on an average the gasoline sold is of a higher quality than required under the federal specifications, which are looked upon as standard. Samples for the tests were taken from the filling stations of companies whose production is said to represent 95 per cent of all gasoline produced in the United States. Two tests covered 131 samples, taken from filling stations in New York, Washington, Pittsburgh, Chicago, New Orleans, St. Louis, Bartlesville (Oklahoma), Denver, Laramie and San Francisco. The average end point of distillation was at 417 degrees F. against the federal specification of 427 degrees F., or 20 degrees under and better than required in United States government purchases.

"The petroleum division of the department of commerce informs us that the difference between the average wholesale price of gasoline and kerosene at the refinery is 1.5¢, gasoline selling for 7 1/2¢ and kerosene at 5 1/2¢. The difference between the average retail price is 4¢, gasoline selling at 21¢ and kerosene at 17¢.

"In many states persons sus-

### Hockey Season Closes



Last week saw the end of the ice hockey season, which has enjoyed a great run on the coast this past winter. Here are some of the players of the San Francisco team holding their clubs over the diminutive Chevrolet Convertible Coupe.

### Highways Made of Rubber Undergo Series of Tests in Great Britain

From New York Times

There is a possibility that some day tires of rubber will commonly roll over rubber roads. Experimentation has developed rubber paving blocks that give a satisfactory surface and the problem that remains is only to find a satisfactory method of attaching the resilient surface to a rigid foundation so that no shifting will take place and admit moisture to the concrete beneath. Tests that indicate a solution even of this problem have already been made.

The extraordinary wearing qualities of rubber, though not generally appreciated, have led to its application to an increasing number of technical uses in recent years, especially where resistance to severe abrasion is important. Thus, gloves and tubing used in sand blast operations are made of rubber, as

are conveyor beltings for ore and coal. Any observant person will notice that the rubber heels on his shoes outlasts the leather sole, and instances are cited in which rubber-covered factory staircases endured while others of stone subjected to the same use had to be twice renewed.

These facts suggested the idea that rubber, with its obvious advantage of reducing the noise and vibration of traffic, might be practical as a road material. Several years ago tests were begun, and since then a number of data have been accumulated.

One series of tests in Whitehall, London, showed that the reduction in noise on the rubber roadway was 20 per cent compared with wood block paving in the same neighborhood; that the remaining noise was altered in character and rendered less objectionable and that vibration was reduced. Another test contradicted the notion that rubber would prove slippery and tend to cause skidding of vehicles. The true imprint of horsehooves was found only on the rubber blocks, that on the wood always showing a slight slip or tread in wet weather. Rubber paving at the back of Adelaide House, London Bridge, has practically eliminated noise and vibration, it is said, and no movement of the blocks has taken place since they were laid in 1924.

In this country experiments have been in progress, too, in an effort to solve the problem of vibration in connection with heavy traffic over bridges. The draw section of the Northern Avenue Bridge in Boston is covered with interlocking rubber blocks. The Eads Bridge at St. Louis has rubber paving, and Akron, Ohio, has a rubber sidewalk. There is also a section of rubber paving on the Michigan Avenue Bridge in Chicago.

A recent report from Singapore stated that after five years of rubber paving blocks that had been subjected to 1,225,000 tons, weight showed little sign of wear, whereas the roadway adjoining, laid at the same time, had had to undergo repairs three times.

The initial cost of rubber roads is high, but it is held that the material makes better and more permanent highways, on account of its anti-abrasive and shock-absorbing properties. Maintenance costs are reduced to the minimum, it is said. A rubber road is never dusty and therefore requires no watering, it needs no tar spraying, sanding or gritting. It is non-absorbent and therefore easily cleaned.

The rubber paving blocks already in use vary in size and composition. Usually they consist of a rubber capping vulcanized on a base of hard composition, brick or a harder grade of rubber. The blocks are always laid over a concrete base, and in some instances are painted with bitumen before being fitted into place.

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### April Shipments Of Nash Models Record-Breaking

KENOSHA, Wis., May 11—April shipments of the Nash "400" series cars exceeded those of the corresponding month last year by 22.63 per cent, thereby establishing the highest April record in the history of the company, it was announced today by C. H. Bliss, general sales manager.

Shipments were almost double of those of the same month in 1928. At the same time, it was also announced that total shipments from the Nash factories for the first four months of this year were 59.38 per cent greater than the shipment for the first four months of 1928.

The fact that sales records have been mounting month after month is attributed as a direct reflection of the widespread public appreciation of the "400" series.

# True style that reflects the mode—yet dares to be different



In its distinctive appearance . . . in its attractive simplicity . . . in its wide range of smart, new colors the New All-American offers true style . . . style that reflects the mode yet dares to be different.

We are now making a special demonstration to prove the extraordinary value provided by the New Oakland All-American Six. We want you to enjoy this demonstration . . . if only to learn what Oakland offers for its moderate price.

Prices \$1145 to \$1275, f. o. b. Pontiac, Michigan, plus delivery charges. Spring covers and Lavejoy Hydraulic Shock Absorbers included in list price. Bumpers and rear fender guards extra. General Motors Time Payment Plan available at minimum rate.

Consider the delivered price as well as the list price when comparing automobile values . . . Oakland-Pontiac delivered prices include only reasonable charges for delivery and financing.

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## The New OAKLAND ALL-AMERICAN SIX

PRODUCT OF GENERAL MOTORS



The wrecked or badly smashed car's body, fenders, running boards, upholstery, glass, are PERFECTLY REPAIRED in our modern auto coachwork shop.

No skimped work, no make-shifts—only FIRST class materials and workmanship in every detail. And, at closest prices.

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Every Driving Convenience  
Every Provision for Comfort  
Oldsmobile is

# RESTFUL TO DRIVE

Not only does this finer Oldsmobile give you brilliant all-round performance—not only does it combine exceptional speed, power, and acceleration with stamina, long life, and economy of operation—but it is wonderfully restful to drive, no matter how long you remain at the wheel.

Come prove it yourself. Take an Oldsmobile for a trial drive. Make your own tests and comparisons.

Relax in the comfortable, deep-cushioned driver's seat. It is instantly adjustable to the most natural position for your height. The steering wheel, too, may be adjusted to suit your individual preference. Gear-shift, starter, clutch, and brake are easy to reach and easy to operate. Instruments are conveniently arranged on the dash.

Drive through traffic. Note how Oldsmobile's flashing getaway and quick response to the

controls simplify city driving—how fingertip steering and a short turning radius make parking easy, even in small spaces.

Try it on the open highway. Observe how Oldsmobile's smoothness, quietness and, splendid roadability permit restful relaxation at any speed. Test its swift, sure acceleration, its remarkable handling ease, its powerful four-wheel brakes. Drive over rough roads and see how four Lovejoy hydraulic shock absorbers cushion your ride.

Then, when you know what Oldsmobile can do, and how it does it, compare it with other cars. You'll find that Oldsmobile gives you every driving luxury—every desirable convenience—every provision for comfort. That's why it is so restful to drive. That's why it is unsurpassed in value at its low price.

**TWO DOOR SEDAN**  
**\$875**  
f. o. b. factory, Lansing, Mich.  
Spring Tires and Bumpers Extra

**OLDSMOBILE**  
Oldsmobile Sales Co.  
1428 Adams Ave.  
Hamilton Service Station  
Enterprise, Ore.

### FORD REPORT ON 1928 FUEL CONSUMPTION

The magnitude of the Ford Motor company's factories in the Detroit area is indicated by the 1928 report on fuel consumption and power production.

Total fuel consumption at Power House Nos. 1 and 2 was 657,404 tons. This is approximately 12,700 car loads of coal, or a coal train reaching 100 miles.

The steam output of the power houses was 11,852,000,000 pounds, an average of 2,000,000 pounds per hour. The kilowatt hours output at the Rouge plant was 535,244,000 and at the Highland Park and Lincoln plants, 19,347,580, a total of 554,591,580 k.w. hours. This would be sufficient to provide lighting, power and street railway transportation for a large metropolis.

### ARE THE "SMELLIES"

Fred Niblo, film director, says scent will be the next sense injected into motion pictures. Imagine the feelings of those present as the motor car bearing the hero and heroine speeds from the scene of the action runs down a polecat—Sparks.

### Racing For Pittsburgh

The half mile hour speedway at Bridgeville a suburb of Pittsburgh, will try AAA colors this season. H. Ward Beams, who operates meets at Toledo, Columbus and Cleveland, is the manager of the newly sanctioned track.



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# USED CARS

"with an OK that counts"

Here are a few examples of outstanding values

- Chevrolet Coach, 1928**  
Fires are 90%, finish excellent, mechanical perfect. Has 1929 license. An extra good buy.  
With an O K that counts.
- Chevrolet Sedan, 1926**  
Run only 18,000 miles, this car offers a lot of transportation at small cost. It is fully equipped, has 1929 license.  
With an O K that counts.
- Studebaker Standard Sedan, 1925**  
Former owner was a careful driver, has run only 21,000 miles, with the best of care. Will take small car in trade.  
With an O K that counts.
- Chevrolet Coach, 1926**  
Motor has been completely renewed. New pistons, rings and bearings. Good tires, bumpers, fully equipped, with 1929 license.  
With an O K that counts.
- 52 Chrysler Coupe, 1928**  
Ramble seat, fully equipped, bumpers, 1929 license, new tires, this car has been run less than 10,000 miles. Looks and runs like new.  
With an O K that counts.
- Ford Pick Up, 1926**  
Has steel body, motor has been renewed, 4 new tires. This car can be bought at a low price. \$175 takes it. Terms.  
With an O K that counts.

# Larison Chevrolet Co.

1414-16 Adams Ave. Next to Observer G. L. Larison Mgr.

**DEPENDABILITY, SATISFACTION AND HONEST VALUE**