

AUTOMOBILE NEWS Of The WEEK

FREE WHEELING IS MORE ECONOMICAL

So Says M. J. Goss, Automobile Dealer Here in Discussing Invention.

Approximately \$400,000,000 would have been saved motorists of the United States during 1929, if all automobiles had been equipped with free wheeling, according to M. J. Goss, Studebaker dealer here. Free wheeling with positive gear control, is a new engineering principle, developed and perfected by Studebaker engineers, and manufactured under Studebaker patents.

"Exhaustive tests at the Studebaker proving ground at South Bend, Indiana, as well as road tests in practically every state of the union, show that free wheeling effects a saving of 12 per cent in gasoline and 20 per cent in oil," Mr. Goss said. "Last year, the consumption of gasoline by automobiles in the United States totaled 13,934,330,000 gallons, and the consumption of oil 450,000,000 gallons, according to figures compiled by the national automobile chamber of commerce.

"Computed on an average of 21.2 cents a gallon for gas, and 25 cents a quart for oil, the amount spent by the American motoring public during the year attained the huge sum of \$3,404,077,960, of which free wheeling would have saved \$444,480,355. "The saving of 12 per cent in gas and 20 per cent in oil effected by free wheeling is conservative, and actually increases in proportion to the heaviness of the traffic. The reason for this is that with free wheeling, momentum never forces the engine. The instant the foot is lifted off the accelerator, the engine drops to idling speed, while the car continues to glide forward free and unfettered, yet in gear and fully controlled. In consequence, car momentum never forces the engine to pump excess gas and oil into the cylinders.

"Tests at the factory and on the road also demonstrate that, under ordinary driving conditions, the car free wheels an average of one mile in every five. In other words, in 10,000 miles, car momentum alone carries the car a distance of 2,000 miles with the engine running at idling speed—a huge saving in fuel and oil.

"But not only in fuel and oil does free wheeling effect a saving. A further important saving results from the material reduction in wear and tear on engine, transmission, chassis and tires due to the elimination of all reversal strains during deceleration. The objectionable 'piling up' sensation experienced in the conventional car when the foot is lifted off the accelerator is completely banished.

"Free wheeling also permits the driver to shift gears easily and silently between second and high at any speed without touching the clutch. The clutch is employed only to start and back up. As a result, the necessity of tiresome pedal pushing as well as the fear of gear clashing are gone forever.

"Free wheeling has been unanimously endorsed as a safety factor by many highway commissioners. Equip-

NEW HIGHWAY PROJECT UNDER WAY



Local motorists who spend their vacations driving over the celebrated Columbia River Highway in Oregon will find the State of Washington is constructing a new roadway on the north bank of the famed Columbia River paralleling the former route. Photograph shows a Durant 6-14 sedan on the North Bank with its party gazing across the Columbia into Oregon.

ped with positive gear control, free wheeling provides conventional engagement in all gears to permit use of the engine as a brake whenever desired, while powerful brakes act positively, uniformly and smoothly to bring the car to a stop as swiftly as the need dictates."

Jury Awards \$500 To Music Teacher

PORTLAND, Aug. 22 (AP)—After having deliberated the case 11 hours, the jury which heard the \$100,000 damage action brought by Mrs. Maybelle Atwood, music teacher against Myrton Moore, son of the former insurance commissioner, returned a verdict last night awarding Mrs. Atwood \$500 special damages to cover hospital and doctor bills.

Mrs. Atwood charged she suffered a broken leg during an attempted assault by Moore. The assault is said to have occurred at a party on Klinka Heights, fashionable Portland neighborhood.

Nick Cullip, who couldn't stick with the Yankees, now with Minneapolis, is almost certain to break the American Association home run record of 42.

Jack Steele, manager of the Little Rock Travelers, is called "Captain Pluck" around the Southern Association circuit. He is said to be Laurence Stallings' belleste hero in the flesh.

ROAD MARKETING IS MOTOR CLUB AID

Work is Being Accomplished in Umatilla County—This Valley Next.

PENDLETON, Ore., Aug. 23—The Oregon State Motor association is deeply interested in the matter of properly marking the county roads throughout the state, with suitable road signs, and in connection with this service, Charles Heaney, representative of the association, arrived in the city Tuesday, preparatory to logging the county roads.

This work is done in cooperation with the county court and state highway department. Mr. Heaney met with the county court Tuesday morning, and completed arrangements for the signing of Umatilla county.

Fourteen counties have already been signed this year by the motor association, and the logging of Klamath county has just been completed. Umatilla is the first county in Eastern Oregon to sign the union, Baker and Malheur following.

Work of maintaining the signs after they are once placed is assumed by the motor association, as is the replacing of the signs when they become worn or damaged. Maintenance work has been done in three counties this year.

Logging of the county roads will require a week or ten days time, according to Mr. Heaney. The signs will then be made, and placed immediately upon their completion.

Two Boys Span Continent In A 1917 Roadster

TOLEDO, O., Aug. 22—In an age in which youths endure hardships in the woods for days just for the sake of publicity, the modestly conducted exploit of two California youths who crossed the continent in a 1917 Overland sports roadster in twelve days driving time has aroused the interest of motorists. Unheralded, the two boys, Lewis Patmont, Jr., 20, of Santa Rosa, and Ronald Hamilton, 19, of the same city, recently arrived in New York with one of the most novel motoring records of all time to their credit.

"We had some trip," Patmont said with boyish enthusiasm when seen in New York. "This car is 13 years old but believe me it's a dandy. It averaged more than 20 miles on a gallon of gasoline and used very little oil. We took every hill on high and crossed the Rockies in one night. We made the trip more cheaply and more quickly than any way I know of. Some days we made more than 300 miles and we never speeded. In practically every town we reached we purchased a lot of attention."

The 1917 Overland car was purchased one year ago by Patmont for twenty-five dollars. It functioned perfectly throughout the journey despite the fact that it was driven all over Santa Rosa for a year prior to its cross-country trip.

When the boys arrived in New York they drove down Broadway to the Woolworth building where the young Californians parked their car while they visited the Woolworth store. When they returned to the car they found such a large crowd gathered around the 1917 Overland that they had considerable difficulty in driving away.

Both boys plan to drive back to California in the same car despite the fact that they have been offered funds to purchase a new car for the trip.

"This little old boat is good enough for us," the old officer of the Willys-Overland Co. in New York. "We had a picnic in it so far and we can't get up courage to part with it. Why should we? It might be a 1917 model but it goes over hills and it shoots right along day in and day out. We would rather have it than many of the new cars."

Hungary is expected to grow 70,000,000 pounds of tobacco this year.

DON'T TALK KISS OVER THE WORLD TC RACE DRIVER

In Rich Lingo of the Speed Track, it is Something Bad Indeed.

ALTOONA, Pa. (AP)—Those who attend automobile races are warned not to speak of "kissing" before a race driver, and not to think of boinking a "grease ball."

For "kissing," to the racing fraternity, is clipping a wall or guard rail about a track—something no race driver contemplates with delight, and a "grease ball" is the mechanic who makes the wheels go round.

Drivers tuning up their mounts for the 200-mile race here Labor day are hoping they won't have to "unloop"—hop from a moving car before it crashes.

"They have an aversion to the 'oilholer,' too, for the carbeneing a car goes through in fighting itself after a spin is rather nerve-racking. But everyone hopes his motor's 'miloping iron'—connecting rods—will hold up while he's 'gunning it'—speeding up—to the point where the car is 'unraveled'—the motor running its fastest.

"Bologna" and "boops" are sources of trials to most drivers. Both are tires—bologna, the small ones, and boops those of normal size. Those trials hold whether the race is on a "monkey track" or in a "bullpen," the first a small speedway, the second a small dirt track.

The cars of course, have their classifications other than those listed on the programs. A "jalopy" is a small race car, a "job" a roadrunner one of any size, a "crate" a big racing machine.

Not are drivers—"jockeys"— exempt from slang. The fast driver is a "lead foot" to the racing world, his opposite a "balloon foot" because of his caution in feed the "go fast" gasoline.

A new public library costing \$300,000, with 90,000 books has been opened at San Antonio, Tex.

ONE CAR FOR 55 OVER THE WORLD

A Year Ago the Ratio was One Car to Every Sixty-One Persons.

PORTLAND, Ore., Aug. 23—There is one automobile to every fifty-five persons throughout the world, compared to one to every sixty-one person a year ago, according to the Oregon State Motor association. The increase in the ratio of cars to population is due to a nine per cent gain in car registrations for all countries, bringing the total of 35,127,398.

Figures on the registration totals outside of the United States are compiled by the automotive division of the department of commerce.

Assuming a world population of 1,049,000,000, the department census shows there is an automobile to every 210 persons outside the United States, compared to one to every 45 persons in this country.

Yemen, in southwestern Arabia, is shown by the report to have only one car registered to every 104,106 persons. Ethiopia has one to every 17,781, while the rate for Afghanistan is shown to be one for every 15,778.

Seventy-eight per cent of all passenger cars and sixty-two per cent of all commercial cars are credited to the United States. France is shown second in total registration, followed by England and Canada.

The Sultanate of Oman, in southeastern Arabia, and Bermuda are tied for last place with ten automobiles each.

Cuban Highway To Be Opened Oct. 10

HAVANA (AP)—The second section of La Carretera Central—Cuba's new \$100,000,000 central highway will be dedicated October 10, the anniversary of the opening of the ten year war for Cuban independence. It has been announced by Dr. Carlos Miguel de Cespedes, director of public works.

By that time Cuba will have completed about 500 miles of the beautiful road which will link the cities and towns between Pinar Del Rio, at the western extreme of the island, and Oriente province at the eastern end, a distance of approximately 800 miles.

Jay Salzman Is Offered Albany District Post

SALEM, Ore., Aug. 23 (AP)—Lieutenant Jay Salzman, state traffic officer in charge of The Dalles district, has been offered the captaincy in charge of the Albany district, Secretary of State Hoss said Friday.

The Albany post became vacant when Hoss discharged Captain Kenneth Bloom at the same time that he removed Chief T. A. Rafferty.

Salzman entered the traffic service of the state August 1, 1929, and has been in the service longer than any other man except Rafferty.

"Salzman," Hoss said today, "is one of the officers who discharge from the service with the highest honor. I wouldn't consent to this after making a very thorough investigation of Rafferty's charges against him, including a trip to The Dalles where I conferred with a number of prominent persons."

5 DUMP BODY TRUCKS ADDED TO FORD LINE

Addition of five dump body trucks to the line of standard model AA one-and-one-half ton trucks was announced today by the Ford Motor company. They offer a wide range in price, hoisting method and capacity, and are designed to meet the requirements of most every kind of hauling in which a body of this type is used.

The Ford dump trucks include an hydraulic dump body with hoist of one and one-half tons normal operating capacity; a heavy duty hydraulic dump body; a mechanical dump body; gravity dump body; and hand dump body.

Bodies are made of one piece of steel with no center or bottom seams to interfere with the free flow of material.

Home Accidents Vie With Motor Mishaps

Recent statistical reports received by the Oregon State Motor association indicate that accidents in the home are maintaining a close race with motoring mishaps as the cause of fatalities. While much emphasis is being laid upon automobile accidents, reports for 39 cities during a recent month showed that in 11 of them there were more home fatalities than auto deaths. Among the entire 39 cities with a population of 11,000,000 there were nine accidental deaths in homes to every ten motoring fatalities. Nearly 50 per cent of home deaths were caused by falls, mainly involving children under five years of age.

The Chinese government is teaching fishermen western methods to improve their catches.

The first major window glass plant in Mexico has just been opened.

Italy is spending \$4,000,000 on port improvements.

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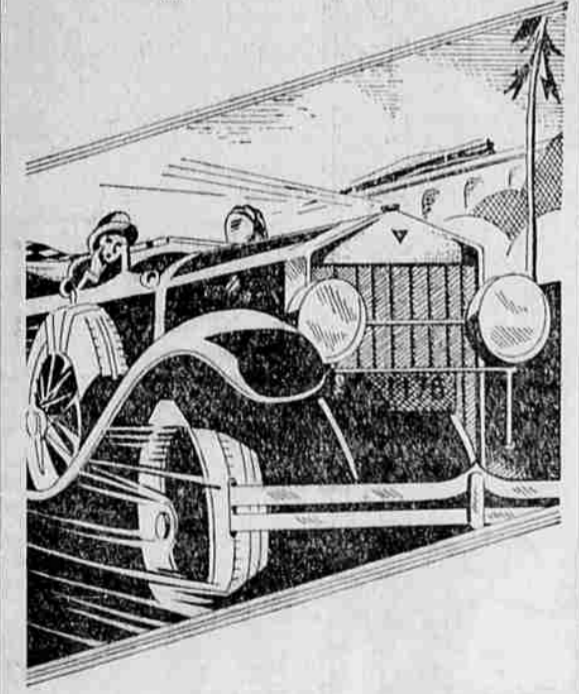
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IDE NOTE

By every standard of comparison that one may apply to their specifications or performance, these two great cars clearly evidence leadership in value. De Soto Six and De Soto Straight Eight are firmly established in public favor because they offer a definitely greater measure of every attribute that a satisfactory motor car must have. More quality, style and luxury. Real comfort at any pace. Greater power, pickup and speed. Stronger, safer bodies—and the added safety and confidence that only internal-expanding hydraulic brakes can give.

THE FINER SIX \$810 TO \$945, F. O. B. FACTORY
THE STRAIGHT EIGHT \$965 TO \$1065, F. O. B. FACTORY
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