



AUTOMOBILE NEWS



INVAR PISTON IS NEW DEVELOPMENT

Improvement Contributes to Added Smoothness of Chrysler Engines

One of the most important developments in the automobile engine was recently announced by the engineering department of the Chrysler corporation, in their perfected Invar Street pistons, L. W. Weeks, local dealer, declares.

This piston is said to be the only type of piston which combines the advantages of aluminum—light weight and high heat conductivity, with lighter reciprocating parts and consequently less wear and vibration—with the valuable property of cast iron—practically no expansion under heat.

Invar, named from the first five letters of the word "invariable," is an alloy whose principal components are nickel and steel. It has the remarkable property of being so slightly affected by heat that there is practically no expansion or contraction due to temperature changes. Before its incorporation in the building of pistons its principal use was for standard measures and scientific instruments of precision.

In the building of the new Chrysler piston, a steel or brass of this special Invar steel alloy (which incidentally, is quite costly) is built into the piston so as to form a rigid bridge connecting the head of the piston with the skirt. Thus it not only serves as a non-conductor, preventing the heat from passing directly from the piston head to the skirt—but also controls the expansion of the skirt.

The Close
Some idea of the exceptional advantages of this mechanical feature may be gained from the fact that Chrysler is enabled to fit pistons to nearly twice the degree of closeness which is necessary when the average cast iron piston is fitted to a cylinder of the same bore. Through its use, expansion of the top of the piston skirt is reduced to practically one-half of that of the older type aluminum piston.

It will be remembered that the Chrysler company has been responsible for the pioneering, developing and perfecting of numerous improvements including the oil filter, air cleaner, no side-sway springs, smaller wheels, four-wheel hydraulic brakes, the 7-bearing crankshaft in cars of moderate price, and numerous others. Their latest development has, in actual service, proved itself to be greatly

superior to any type of piston heretofore developed and consequently is now included in all six cylinder Chrysler cars.

The use of Invar Street pistons is cited by Chrysler engineers as one of the numerous innovations in automobile construction by which the whole industry has benefited during the past three years. The widespread effects of Chrysler pioneering is evident throughout the automotive world and it is a certainty that this new development will prove to be another highly important contribution to motor car improvement in general.

Mr. Nash Shakes Hands With Lindy

Boyhood friends of Capt. Charles Lindbergh, driving cross country from Little Falls, Minn., to Washington, D. C., as the official "home town" delegation to greet "Lindy" paused in Kenosha, en route, long enough to receive the hand clasp of C. W. Nash and other officials of The Nash Motors company, according to word received here at A. R. Trachsel, local dealer. The group, commissioned by the governor of Minnesota as the official welcoming committee of the state and of Little Falls, made the trip in a Nash four-door coupe. The party consisted of Mayor Austin Grimes, Dr. C. H. Langley, Kenneth Martin and Sherman Lovis.

Following the example of "Lindy" who crossed the ocean in the "Spirit of St. Louis," the group christened their Nash, "The Spirit of Little Falls." All four are well acquainted with Lindbergh, one being the family dentist, another owning a bookstore where Lindbergh bought text books, and the other two boyhood chums.

The trip from Little Falls to Kenosha was made in record time, the police along the entire route giving the "home town" car right of way and fast passage. Motorcycle cavalcades met the tourists on the outskirts of practically every large city from Little Falls, where \$500 townsfolk cheered the start, to the end of the journey in Washington.

SIGNING ROADS

The Oregon State Motor association is proceeding with signing all unsigned roads in Washington County and through the cooperation of the county courts, this work will be completed just as quickly as the work can be pushed through.

The signs erected will be of a standard type adopted by the Oregon Washington association with which the motorist is familiar.

Well, everybody is about to fly everywhere.

GARAGE GOSSIP

Attended Picnic—
J. S. Bee, salesman at the Western Auto Supply company has returned from Seattle where he spent two weeks' vacation. While there he attended a picnic of all Washington and Oregon Western Auto Supply company officials at which about 225 employees and officials were present. The picnic, which lasted two days, May 20 and 21, was held in order to promote cooperation and good fellowship among the members of the company.

Vandalism Here—
Chuck P. Groulx, sales and service man for the Franklin, Lakeside and Varian company spent the week end transacting business with the Perkins motor company, local Franklin distributors.

In Pendleton—
E. L. Ledbetter, of the Ledbetter garage, transacted business in Pendleton Friday.

Painting Station—
The La Grande Nash company service station is wearing a new "coat of many colors." The station has been painted red, blue and white, the official Standard Oil company colors, during the week.

Driving New Studebaker—
L. A. Gossel of Flora, is driving a new Studebaker sedan, purchased from M. J. Goss, local dealer.

Business Good—
With the coming of the heavy summer tourist traffic, service station business is picking up, according to W. C. Perkins. The new Perkins station across from the Perkins Motor company, which has been in operation for about a month, is being made attractive with brightly colored flower gardens and neat lawns.

Studebaker Sale—
Mrs. H. A. Huston, of Burns, is the owner of a Studebaker sedan purchased from the Studebaker garage here.

Boys Whipped—
Ralph Myers has purchased a Whippet two door sedan from the local dealers, Gettings & Hanko.

Mechanic at Maxville—
Frank Patti, mechanic at the Blue Mountain Garage spent two days at Maxville. This week on business.

Expects Ford Specifications—
W. C. Perkins, of the Perkins Motor company, expects that he has received indirect information that specifications for the new Ford model will reach here some time next week. "This information did not come to me from the Ford company and I cannot say that it is absolutely true, however," said Mr. Perkins.

Is in Portland—
W. E. Buchanan, salesman for Chrysler garage, is spending about two weeks in Portland. Mrs. Buchanan and son, Edward, are with him.

To Conduct Demonstration—
J. P. Morelock, local Star dealer, is in Enterprise this week end, preparatory to conducting a Star pulling demonstration tomorrow. The demonstration will be similar to the one held here last week except that just two cars will be used.

Drive to Portland—
M. A. Harrison, local Chevrolet dealer, and daughters, Dorothea and Ruth, drove to Portland Sunday, returning Thursday. They attended the Rose Show and Mr. Harrison looked after business matters during the visit.

Buy Chevrolet—
J. M. Burnhaugh, of Shumerville, is the owner of a Chevrolet sedan purchased this week from the Blue Mountain Garage.

Buy Chrysler—
Dean Nichols is the owner of a new Chrysler "50" coupe purchased this week from the Chrysler garage. Mr. Nichols is a traveling man.

Accepts Position—
William Harnden has accepted a position with the Blue Mountain garage, beginning work this week.

Unloaded Cars—
The Chrysler garage unloaded a car load of cars today. A "50" coupe, two "40" coupes and "50" sedan were included.

Meeting This Sunday—
Members of the Blue Mountain Waseco club, a Western Auto Supply company organization, will meet Sunday at Pendleton. Field representative, George Eiler will be present and will address the club. Mr. Eiler will visit with the local company some time next week.

Special Department—
A. R. Trachsel, of the La Grande Nash garage, announces that Tex Knight has taken over complete charge of the used car department and will devote all his time to dis-

Park Tour Now Being Sponsored By Chevrolet Co.

In the interest of automobile travel to the great national parks of the west the Chevrolet Motor company is sponsoring a park-to-park tour which will include all the wonderful scenic playgrounds of that expansive territory. Notes as to routes, road conditions, hotel and camping accommodations will be sent to the proper quarters weekly by W. R. Wood, director of the tour, and this news will reach the public through the medium of newspapers, showing the possibility of touring to and through the parks in comfort and at comparatively small expense.

It was deemed fitting that so comprehensive an educational tour, the idea of which was conceived recently by R. H. Grant, vice-president of the Chevrolet Motor company, in charge of sales, should begin at the grounds of the University of Southern California, one of the country's famous educational institutions. The car chosen for the trip, which will require several weeks, is a Chevrolet Imperial landau, the latest model of the line. Nothing in the way of special equipment carried except a set of tire chains, which probably will not be needed.

First to Utah
From Los Angeles the Imperial landau, which bears upon its sides and its spare tire cover the painted inscription "National Park Chevrolet," will go first to Zion.

Some of the numerous used cars that are in stock, Mr. Trachsel states that a number of different used car models are on hand.

On Vacation—
R. E. Wilcox, manager of the local Western Auto Supply company is taking a two-week vacation at Newport. Mrs. Wilcox and their three children are with him.

At Perkins Motor Company—
Tom Huber, of San Francisco, who is Pacific coast distributor for The Gleason combine harvester, looked after business at the Perkins Motor company, which handles the harvester, this week. During his stay, six machines were sold, four tractor models and two pull models.

national park in southwestern Utah and thence to the north rim of the Grand Canyon, stopping in passing at the newest national monument at Pipe Springs. From the north rim and the Kaibab forest the Chevrolet will visit Bryce Canyon and from there double back to Cedar Breaks, proceeding thence to Salt Lake City.

Heading eastward the car will go next to the Rocky Mountain national park, near Denver, and from there to Glacier National park, far

up toward the Canadian line. West from Glacier the landau will travel to Banff national park. Home, word being down the Pacific coast, it will visit Crater Lake, Mt. Lassen, Yosemite, General Grant and Sequoia.

"A few years ago such a trip as the Chevrolet Imperial landau is undertaking would have been virtually an impossibility, even for the most expert driver," said Avery, said Avery Harrison, local Chevrolet dealer.

"Today it is one that even an unaccompanied woman tourist need not fear."

The Prince of Wales saw "Abich Irish Town" once a dispatch. At last he has made the newspaper without falling off his horse.

Women spent nearly a billion dollars for luxury last year. Anyhow they got a run for their money.

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When you start out to look for low prices—make this your first and last stop.

We have prices to match the lowest—and quality to match the highest.

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