

Makers Strive For Efficient Pistons In Dodge Six Cars

The care and precision necessary in the design of pistons and the lubrication of cylinder walls where these pistons operate can readily be calculated by the fact that each piston in a new Dodge Brothers Six engine travels approximately 2,100 feet a minute inside the cylinder when the car is driven 60 miles an hour.

At that speed, the engine in the new Dodge Brothers Six is turning at the rate of 54 revolutions each piston travels a total distance of 7 3/4 inches up and down in the cylinder wall. For every 100 miles the car travels, each piston rolls up a mileage of approximately 39 miles, operating in a "roadway" only 3 7/8 inches long.

To meet this tremendous strain and insure maximum efficiency in operation, Dodge Brothers engineers have designed aluminum-alloy strut pistons that offer unusual advantages over every other type. The construction provides two Invar Metal struts that sup-

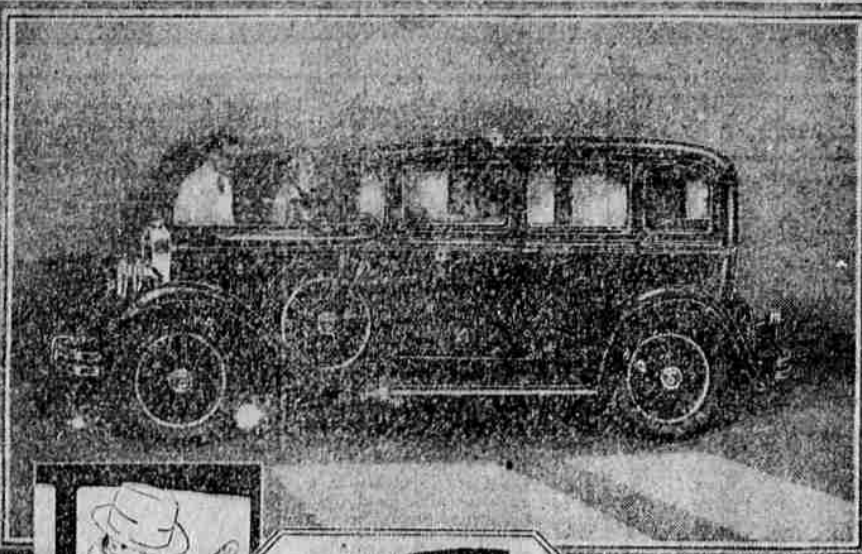
port the connecting rod side pressure and insure the same expansion for pistons as for the cylinder. The aluminum alloy piston has the advantage of being lighter in weight permitting lighter connecting rod assembly and resulting in less wear, more power and greater flexibility. Because the piston head is normally the hottest spot in the engine, increased heat conductivity of aluminum eliminates the chief cause of pre-ignition.

To insure exact balance, pistons of the new Dodge Brothers Six engine, each weighing 17 3/4 ounces, are assembled in groups of six and matched so that none vary more than 1/5 ounce. Such precision assures perfect balance and maximum operating efficiency.

To lubricate the path of these pistons, the full pressure lubrication system by gear-type oil pump is used. A constant shower of oil is thrown off the lower connecting rod bearings onto the cylinder walls and piston pins, so that every cylinder is provided proper lubrication at all engine speeds.

Tiny Kiehl, a 226-pound life guard at an Indianapolis bathing pool, claims to have rescued 1,133 persons from drowning.

New Studebaker Dictator Six—Lower Priced



At left, by merely pressing a button, front seats in the club seat models can be moved forward or backward at the convenience of the passenger.

With the introduction of new Dictator Six models listing from \$995 to \$1195 at the factory, Studebaker adds a companion car for the new Dictator Eight. The Dictator Six Coupe offered at \$995 carries the lowest price of any Studebaker closed car in history. The Royal Sedan, illustrated above, carries six wire wheels and trunk rack as standard equipment. The fore-shock front spring of the new Dictator, giving greater steering stability, is shown at left.

Primary Stages Pretty Operetta For Mill People

By MRS. M. F. RAYMOND (Observer Correspondent)

PONDOSA, (Special) — The primary association presented their operetta to a large audience Wednesday evening in a lovely spot in Dunham Wright's orchard. The ground is covered with blue grass as smooth as velvet and the trees made a beautiful back ground. About 30 children took part in the program which has been presented by primaries all over the country. Mrs. John Stoddard is president of the local association. She was assisted in the work by Mrs. W. W. Gray, Mrs. Emmett Smith, Mrs. James Wade, Mrs. M. J. Larwell, Mrs. Toeval Hansen and Mrs. D. E. Nelson, primary teachers. Those coming from La Grande for the event were Mrs. Ellen Stoddard, who has been union state president for 20 years, Mrs. Arvilla N. Clark, Mrs. Pearl M. Webb and Mrs. Emma E. Baxter.

Mr. and Mrs. Chester Thompson and Jack Butler made a trip to Seattle, Wash., last week and returned Sunday evening. Mrs. Butler and son, Alfred, who have been visiting in Roche Harbor for the past three months, joined the party in Seattle and returned with them.

Ralph Linebarger and son, Harold, of Spokane, who are taking mud baths at Hot Lake, visited at the E. J. Dunham home this week. Miss Bonham is an aunt of Mr. Linebarger.

When they went to attend the funeral of Mr. Champe's mother. A party of relatives from Emmett, Ida., visited at the M. J. Larwell home Sunday. They were Mrs. Mary Lark, mother of Mrs. Larwell, Leo Lark, her brother, Mrs. John Shaw, her sister, Mr. Shaw and children.

Miss Arba Hansen and her nephew, John Snodgrass, are spending a week at the camp of Mr. and Mrs. J. P. Rogerson. Miss Hansen is Mr. Rogerson's niece.

Mrs. Julia Duncan, who has been visiting in Walla Walla for several weeks, returned Saturday evening. Mrs. J. H. Conlon, her



The News of the Day --

DOES IT BRING FEAR?

When you read of an accident, injury, damage and death to people and property, does your mind go to the possibility of just such catastrophes to you and yours? Relieve yourself of uneasiness by complete insurance. It is the only way to protect yourself from fatal loss—and to protect your family.

Our Installment Plan Makes Auto Insurance Available to All Ask for Full Particulars

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WITH ordinary tires, we might hesitate to offer liberal credit and convenient payments. The tires might go bad and we would never get our money. But with Dunlops we take no risk, because Dunlops are built so tough and sturdy they will give you the utmost in tire satisfaction. People often ask us: "Are Dunlops really better?" Our answer always is: "Dunlop is the one tire so good it can be guaranteed and bonded for one year, even on the heaviest of trucks. Judge for yourself whether Dunlop Tires are better."

DUNLOP Built to stand abuse Bonded against abuse

THE proof of Dunlop value is that Dunlops come to you bonded and guaranteed against blow-out, accident, rim-cut, collision... almost every conceivable road hazard. Only a tire built right could be given such a guarantee as that. We'd like to show you Dunlops and read you this famous Dunlop Surety Bond. Why not come in today?



Playle Oil Co. EASY PAYMENTS GLADLY ARRANGED

Indians Wealth Is Aid to Charity

daughter, brought her home and will stay for a week's visit at the home of her brother, W. H. Donagan, and family.

Mr. and Mrs. M. F. Raymond attended the funeral of Alford Gardner, a friend of long standing, in Baker Saturday.

Word has been received from Mr. and Mrs. I. W. Smith that they are located in Lewiston, Ida. Mr. Smith was in the butcher business here for a couple of years but left the first of June looking for a new location.

MIAMI, Okla., (AP)—Much of one Quapaw Indian's mineral wealth goes to charitable causes. And Mrs. Sarah Stanton Corbett is a philanthropist to white people as well as her own tribesmen.

She was made wealthy by lead and zinc mines inherited from her parents. Another \$1,000,000 has been added to her riches recently

by the sale of 290 acres in the Tri-State mining belt.

Mrs. Corbett's latest donation provided Miami's American Legion with a suite of palatial club rooms.

Rune stones dug up at Lund, Sweden, puzzled archeologists until it was found they were a hoax.

Texas Guinan, night club hostess, calls herself the Joan of Arc of Broadway. She certainly knows how to charge.

Only sleeve-valve action gives such smoothness

Only Master Artistry Creates Such Beauty

IN THE opinion of leading engineers and hundreds of thousands of enthusiastic owners, the patented Knight double sleeve-valve engine is the simplest and most efficient automobile power plant ever designed.

In each cylinder, two sliding sleeves combine with the dome-shaped cylinder head to form a tightly sealed combustion chamber. This cylinder head directs the full force of the explosion straight downward against the piston, making the most efficient use of the highly compressed gas. The great turbulence of the gases in the spherical chamber causes a faster burning of the fuel and therefore a more effective explosion and extra power. The Willys-Knight engine gives uniform compression at all times, at all speeds and with any gas.



Coach \$1045

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The new style Willys-Knight "70-B" is the most beautiful, largest and most powerful Knight-engined car ever offered at such a low price.

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PONTIAC BIG SIX

PRODUCT OF GENERAL MOTORS at \$745

You save in purchase price when you buy a Pontiac Big Six—because no other car offering comparable advantages can be bought for less than a thousand dollars. You save also in operating costs and in depreciation. In other words, you save in every way with the Pontiac Big Six—America's biggest motor car value!

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- More Speed
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- More Value

Even though sales of the Pontiac Big Six have shattered all earlier Pontiac records—and even though the value offered by this car is without parallel today—the Pontiac Big Six continues to sell for the price at which it was introduced. There has been no increase in Pontiac prices.

Consider the delivered price as well as the list price when comparing automobile values. . . . Delivered Pontiac delivered prices include only reasonable charges for handling and for financing when the Time Payment Plan is used.

LA GRANDE MOTOR CO. Adams Avenue Hall Motor Co. Enterprise



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