AUTOMOTIVE BETTER HOMES

The Oregon Statesman

WAY BETTER THAN LAST YEAR

SECTION TWO PAGES 1 TO 8

SEVENTY-SEVENTH YEAR

SALEM, OREGON, SUNDAY MORNING, MARCH 18, 1928

PRICE FIVE CENTS

GASOLINE USAGE SHOWS GREAT GAIN

California Leads All States in Consumption of Fuel for Year

WASHINGTON, D. C., Mar. 17. Consumption of gasoline by motor vehicles increased 12.4 percent during 1927, the American Road Builders' association estimated recently. The number of gallons of gasoline, consumed in the United States totalled 11,563,-490,000 gallons, according to figures released by the association.

California led all states in the consumption of the fuel, the vehicles of that state burning 1,017,-681,000 gallons. The state of New York ranked second with 892.800 .-000 gallons. The average national consumption per motor vehicle was approximately 530 gallons. The total number of miles traveled estimated on a basis of 13.2 per gallon was placed at more than 150,-000.000,000 miles.

All but two states were imposing a tax on gasoline at the close of 1927, the association stated, Illinois and New Jersey having inaugurated a tax during the year. New York and Massachusetts are the only states without the tax. Accurate figures on the amount of but are expected to run well over \$200,000,000 as compared with \$187,603,231 in 1926.

The increased consumption of fuel was attributed to the greater popularity of long distance travel, and to the stimulation of vehicle transportation by a larger mileage of good roads. "These good roads" clined to envy our such a stimulus to travel that a larger consumption has taken

es for the states of New York and holiday jam. Massachusetts were estimated. The and revised, while in Arizona, Ar- company. kansas, California, Colorado, In-

PRICE STANDARDS

Group Feature Start of Year's Program

Two soundly striking moves by Willys Overland have marked the start of this year. The sensational price drop on the Whippet which of the six cylinder cars, at the lowest print ever set on any Willys Knight have focused attention on this organization.

the Whippet since the present prime were announced have been

The releption of the Willysit Standard Six. which was nationally during the February, has resulted demand for this car part of thousands of motor who find in the low on this model, their prortunity to buy a car Willys-Overland with a sleeve valve motor.

both the low priced Whippet the recent addition to the Knight line, distinctive tures of design and equipment offered. The Whippet is and full equipment.

The Willys-Knight Standard Six ways." s featured by an unusual amount of som in a car of its price, by creations in body lines and The Phipps' Federal-aid bill, body decorations and through the authorizing \$75,000,000 for Feduse of a non-breakable steering eral-aid in road construction in lights and dimmers and a new 1931, was favorably reported this

oard panel. The rapid increase in Willys- ported by the American Motorists

WESTERN AUTO CELEBRATES TWELFTH ANNIVERSARY



The Western Auto Supply Company has grown immensely in the last few years. The above layout indicating pictorially how the concern has gone from a small store in twelve years to more than 150 stores today. An Anniversary Sale is being featured in all stores from March 17 to

TOTAL OF AUTOS

If All Cars Started at Same Time Great Traffic Jam Would Result

European nations might be inly ashamed of it ourselves.

percent during 1927, the total es- be taken out tomorrow and if throughout the entire growth of from March 17 to April 2. timated being 23.125.000 as com- these cars were to be distributed the company. pared with 22,001.400 in 1926 equally over the 3,000,000 miles From the modest start with one These figures do not include buss- of road, a traffic congestion store in 1916, the Western Auto

ures made available. In most of by H. H. Brooks, general saler purchased by the employees of recovered. the states the figures were final director of the Marmon Motor Car

> "It is difficult to visualize 23. 000,000 automobiles," said Mr. Brooks, "but the significance of this amazing registration can be better appreciated when we are told that if all these cars were to be started at once and scattered the flood stage-the saturation point. And the saturation point in automotive producton certanin automotive production certainly is stll far dstant.

"A registration of more than Whippet In Lowest Priced 30,000,000 cars may be anticipated within the next five years. but unless our road-building activities are increased to a scale hitherto unknown, it will be a case of being all dressed up with no place to go.

"It is true that our road-building program has been one of the The automobile has made almost was announced early in January every towns and hamlet of the and the introduction of a third country accessible by paved roads. nodel to the Willys-Overland line Only yesterday, as it were, a 50mile motor trip over the old dirt roads was something of an achievement. Year by year we have increased the cruising radius The sales records achieved by of the motor vehicle. "But, remarkable as the pro-

gress has been, the fact remains outstanding in their relation to that highway building has failed general motor car sales in the low to keep pace with the production of automobiles. The main arteries of traffic, especially those leading in and out of the more congested population centers, already are dangerously crowded, and on Sundays and holidays are all but impassable.

"Highway improvement and development in 1927 cost us \$1 .-350,000,000—a sum that rather takes the breath away. But if we are to realize the value of the automobile and derive the full health-giving benefits from the gas-driven vehicle; if we are to enjoy the open road and the open country instead of using our cars merely as taxicabs, we shall have atured by perfected body lines to double our appropriations for hard roads and for wider high-

Aid Bill Meets Favor The Phipps' Federal-aid bill, ach of the years of 1930 and ghly decorative instrument week by the Senate Post Office Committee. The measure, sup-

Twelve years ago this March, then extended to all the large ecutive personnel of a majority of the Western Auto Sapp:y company cities and towns in the west and the 957 clubs that make up the opened its first store on the Pa-grew with such rapidity that the nation-wide chain of the A.A.A. cific coast. Today more than 150'159th store was recently opened.

The first Western Auto Supply plus a determination on the part board already have made reservaompany store was opened in Los of one man to see his idea tions for the conference and it is ingeles in 1916 by George Pep-through. The indomitable courperdine, founder of the company age of George Pepperdine in rigid- state in the Union will be reprend its present head. It has a ly adhering to his policies in the sented. tock of merchandise worth ap-face of competition, both fair and roximately \$4000. Mr. Pepper-unfair, has resulted in the buildline had had some previous ex- ing of a business that had a turnperience in the automobile acces- over of more than fourteen million ficials of the A.A.A. to acquaint ory business in a middle western dollars in 1927. state and came to Los Angeles The twelfth anniversary will be with every detail of the broad pro-

with a thorough realization of the celebrated by the Western Auto the association explained, "have highway system with ts 3,000,000 value of advertising and the stores with an anniversary sale. increased the number of miles per miles of paved roads, and, as a friends that could be made by sell- As a token of the company's ap- of the most successful in the long pioneer dealer in Franklin motor with those of smaller dimensions. It all the second states of the most successful in the long pioneer dealer in Franklin motor with those of smaller dimensions. gallon of gasoline, but have given matter of fact, we are not exacting standard merchandise at as preciation of the patronage that history of the organization, the cars of Los Angeles, Cal., who was low a cost as possible consistent has made its tremendous growth statement declares. But if every registered automo- with quality and standing abso- possible this money-saving sale of place. Registration of motor vehicles increased approximately 5 bile in the United States were to made. This policy has continued fect in all Western Auto stores and national motor club circles,

Automobiles Recovered would result which would ap- Supply company grew to an or- having a value of \$11,949,382 cluding motor taxation and na-The gasoline consumption figur- proximate the conditions of a ganization of twenty stores in have been recovered since the pas-1920 and the business increased sage of the National Motor Ve-The inadequacy of American to an annual worth of about \$400,- hicle Act, passed in 1919, accord- ence will be devoted to discussion Illinois and New Jersey figures highways and a transportation 000. This business was then in- ing to figures compiled by the of the main features of the orrere estimated on the basis of con- problem which has been created corporated and additional capital American Motorists Association. sumption for the months during by a registration of 23,000,000 was secured through the sale of During the last fiscal year 3,000 among these are those services which a tax was imposed and fig- motor vehicles were pointed out stock, a large portion of it being cars, valued at \$2,500,000, were devoted to similifying the path of

FUR A.A.A. PLANNED

Fourth Annual Conference of Secretaries to Be Held in Washington

WASHINGTON, D. C., March 17-How it may extend and make even more effective its many services to its large and ever-growng membership and to motorists generally will provide the keynote of the fourth annual conference of secretaries and managers of local clubs of the American Automobile association which will be held in Washington March 21-23. The purpose of the conference is set forth in a statement issued today by National Headquarters of the A.A.A.

Coming on the eve of the period which is expected to see established the greater motor migration in history, the conferences the company. The business was will bring to Washington the ex-

Stores throughout the west carry the Western Auto banner.

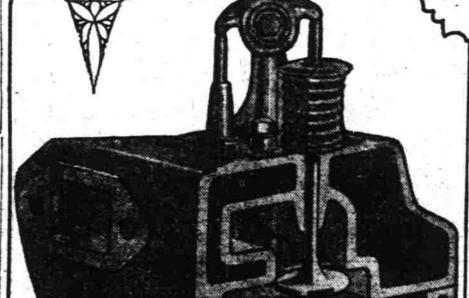
The growth of the company is south, mid-west and Atlantic seatcually the growth of an idea board already have made reserva-

Providing an opportunity for an interchange of ideas among club executives from all parts of the country and enabling national oftheir representatives in the field

In addition to the addresses by the delegates will hear several nationally known leaders in other fields discuss subjects pertinent A total of 14,274 automobiles, to the motor club movement, intional road development.

General sessions of the conferganization's program. Important the motor traveler.

Triumph of Motor Car Industry Shown Here



HUDSON PATENTS "F-HEAD"

Valve, spark plug, and combustion arrangement for the high compression Super-Six motor, patents for which have been granted to the Hudson Motor Car Co.

Announcement is made by the

Hudson Motor Car company that

it has been granted patent rights

sion motor which has been used

combustion engines—covers the

ation-wide chain of the A.A.A. Secretaries and managers from

Mnay Things Happened In Motor World During Past 17 Years

"Many things have happened conference is expected to be one 17 years," says Ralph Hamlin with those of smaller dimensions. The task has been accomplished in recently a visitor at the Franklin motors succifically designed for factory at Syracure, N. Y. "The present 60-mile with com-

fort Franklin in a long way ahead of the cars of the same make that were being sold in the early days. "My first real 60 mile an hour

clip with this car was made in the Los Angeles Phoenix Desert race in 1912 when the Franklin finished first by a wide margin over as weird a list of contestants as ever were gathered in a fight against every kind of known odds. "Today, the roads between Los Angeles and Hhoenix are as dif

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adverse operating conditions. The motor is described as the liveliest.

High Compression Obtained

fuel economy and power. The

company engineers say that it is

practically impossible to make the

most powerful and economical Hudson has ever built. In the patented F-Head design he intake valve is located in the head of the motor and the ex-

haust valve at the side. In a way, the motor is valve-in-head as to intake and L-Head design as to exhaust. The intake valve opens to admit fuel in a location just above the exhaust valve. Hense it is stated, the incoming fuel is drawn directly over the exhaust valve-with a dual effect. First. all "wet" particlues of fuel are subjected to the heat of the exhaust valve and chamber, which tends to vaporize them and make them fit for clean and speedy combustion. Secondly, the exhaust valve is subjected to enough of this cooling action so that it never becomes excessively over-

Avoid Knocking Cause Very hot exhaust valves have chief causes of pre-ignition-or knocking-in high compression succeeded at once in moderating the valve temperature and at the same time making it serve the purpose of a "hot" spot. The fuel parison of the "encouragingly charge enter the motor so easily and exhausts so cleanly that only

moderate-size valves are used.

the patented arrangement is the location of the spark plug. This is at the extreme side of the combustion chamber. The effect of this is that the first intense explosion of the fuel charge is confined to the small space around the valves. By the time the combustion has extended into the cylinder proper, the action is a pushing instead of an explosive one. This results in especially smooth dozen other automobiles had tail

The Essex System The new patent-which was obby the U. S. patent office-covers all these ond other arrangein combination with all others." one per cent had their origin in The compression ratio made possible-about 6 to 1-is practically the same as that used in

Many Motor Cars Made hicles were manufactured in the free testing stations, where the

MOTORING PROVIDES COURSE IN HISTORY

Strict and Approved Headlight Law Real Necessity In Many States

products of motor touring is the keener appreciation of American history and national historic shrines that has come in the wake of the ever-increasing motor caravan, according to the American Motorist, the official publication of the American Automobile As-

"Get acquainted with American history," is a slogan, says the Motorist, that is competing for first position with the slogan, "See America First." It continues:

"Indications seem to make it rather evident that the presentday motor tourist is quite as interested in visiting scenic objectives. It was inevitable that this should be the case, since motor touring provides the best possible post-graduate course in the study of American history

"This growing appetite for hisory on the part of the motoring masses is attested to by librarians on the "F-Head" high compres- and by national and state historic societies. Historical pageants of RECALLS TESTING in all Hudson Super-Six cars since early last summer. The patent— dreds of thousands of motor tour-No. 1,656.051, relating to internal ists and have focused attention in a concrete and intimate way not entire arrangement of valves, only on the particular event celespark plugs and combination brated but on all historic shrines.

"A convincing testimony to the A Hudson engineering execu- current interest in history is tive says the patented design is shown in the extent to which important because it permits high states and municipalities have compression benefits in a large been virtually compelled to promotor like the Hudson Super-Six. vide roads between the main high-High compression, it was said ways and historic monuments adhas proved a far more difficult jacent thereto. And still another kinds of antiques.

"Thus, while the automobile anti-knock gasolines, but the Hud- and motor touring has been more son design is intended for any influential than anything else in standard or even sub-standard eliminating sectionalism, it has at the same time become a powerful factor in the development of a With the new patented design more abiding patriotism and a higher type of pride in worthwhile Hudson motors now are built with a compression ratio of nearly achievements, because the patrio-6 to 1-or 20 per cent above the tism and the pride are based on average—with correspondingly more extensive knowledge and a high standards of acceleration, clearer perspective."

America is rapidly becoming a 'map-reading" reading nation and there is an unprecedented demand for up-to-date maps on which the readers can follow the trail of explorers in the search for the uncharted and unknown and find the

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LIGHT ENFORCEMENT NOW BEING URGED

Americans Rapidly Becoming Map Reading Nation and Learn More

The experience of states and municipalities which have put into effect and insisted on strict enforcement of approved and efficient headlight laws, proves conclusively that it is quite within the ong been recognized as one of the power of motordom to remove the "glare evil" from the highways, according to the Research and motors. Hudson engineers have Legislative Division of the American Automobile Association.

> The observation of the national motoring body is based on a comsmall" percentage of mal-adjusted automobile lights in communities where enforcement of headlight laws is rigidly insisted on, as compared with the "deplorable situation" where both the law and enforcement is lax. Says the state-

> "Cars involved in 22,500 accidents in New York State were examined by traffic experts and only twenty-four had glaring headlamps. Forty-eight other machines had either one or both lights missing-old cars. Two lights obscured or out of service.

"In Connecticut during a recent year, a total of 17,000 automobile tained after several months' study accidents occurred. Only 3.5 per cent of these smash-ups and collisions resulted from defective ments, "each in relation to and equipment. Less than one-hlaf of blinding headlamps.

"An amazing contrast is presented in a certain eastern city the smaller Essex motor, where an L-Head design has been found quite satisfactory. which is annually visited by hundreds of thousands of motor tournists. In this particular city, the enforcement of headlight regulations is extremely lax. The Traf-A total of 3,393,887 motor ve- fic Bureau, however, maintains

New Star two-door sedan, the largest closed car for the world's lowest price, is shown above. At right center, new four-door sedan. At new Durant-Star radiator. Relow, the attractive sport re one of the most popular models of the sensational new Durant-Star line.

Durant-Star Makes Debut

Willys-Overland in the six cylinder to power plant using a Knight type of power valve motor, three years ago, has resulted in a demand for the six cylinder and safety.

When the new Star was first ex
When the new Star was first e

hibited at the New York Autoindustry. The new Star is sturdier and

Today the new Star, which was | Show, it was acclaimed the great- The reception accorded the Star, larger than its predecessors. The

trucks in the United States.

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