

Police. Pszanowski Is in Charge

The automobile theft bureau of the Omaha police department is consider ed by authorities to be one of the most efficient departments in the United States and is conceded by the Automobile Protective and Information bureau of Chicago to be second

The record of the Omaha burea for the recovery of stolen automobile is remarkable. For the year 1924 this bureau recovered 721 stolen automo biles, of which number were included 87 cars stolen from citles other than Omaha. Of 615 automobiles stolen in Omaha for the last 12 months, there emain only 43 cars that have not en recovered.

J. Pszanowski, inspector of police, organized the automobile bureau on June 1, 1921, and because of the remarkable work of himself and the men of this department has Auto Trades association, which is putting on the show. retained command of the bureau since its inauguration.

Inspector Pszanowski takes partic SPARK PLUGS TO work of the men under his command and is constantly in touch with every BE CHANGED OFTEN

phase of this branch of police work. R. A. Stranahan, president of the Due to the efficient work of the Champion Spark Plug company, re: mbers of the auto squad, organiz cently explained why an automobile way locomotive fuel problem by using 'ed bands of automobile thieves, such owner should change his spark plugs charcoal gas, according to advices re as are now operating in other cities, once a year, or every 8,000 miles. have given Omaha a wide berth. The percentage of recoveries of said, "they fire with a hot intense "They consider the question of stolen automobiles has increased spark. The gas mixture burns rapid great importance, since charcoal is each year until the remarkable aver- ly and combustion is very nearly cheap in Sweden." says the report. age of 94 per cent of all cars stolen complete. That means full use of "It is estimated that there would be a in Omaha are recovered and returned the gasoline with no waste. "But the tremendous engine stress penses of railways as compared with to their owners.

The personnel of the department is begins almost immediately to sap the steam engines. as follows: J. J. Pszanowski, inspec- efficiency of the spark plugs, no mattor of police, commanding: F. E. ter how well they may be made. The a German patent using a small pro-Daly, secretary to inspector Pszanow- electrodes become pitted. Carbon is ducer with washing apparatus and ski; Detectives Robert Heller, John J. burned into the insulator. It forms other accessories mounted on the mo-Montag, Joseph T. Miklas, Valentine a crust inside the shell. Then the tor car. These gas motors will be Buglewicz, William F. Cich, Harvey L. Bolar, Leo Hays and Frank Free- part of the current leaks away. The flame does not spread sufficiently of the Swedish government railways.

Inspector Pszanowski declares that approximately 40 per cent of the auto-the mixture. There is a loss of pow-pany intends to start similar experi-ments on its cars." mobiles reported stolen are "crooked" er. Unburned fuel is discharged losses, due to the fact that the cars through the exhaust or seeps are over-insured and it is the owners the crankcase to dilute the oil. Cardesire that the car be stolen; others bon forms on the cylinder heads, pis locks and transmission tons and valve seats. The engine behave wheel locks placed on their automobiles in comes sluggish. It falters on the order to get the reduced insurance hills. It is wasting both oil and tes and then will leave the keys gasoline.

In all of Germany, which is some quency of adjustment and positive moval. "All these things are happening in fornia, there is not a single parking supply-a unique and valuable departhe locks. The majority of automoolle thieves arres in which the same spark plugs came to light as a result of an inves have been used for 8,000 ' or gation to determine the condition of

ers will suffice.

clearly that the application of n nerous advanced engineering prin iples was contributed to it in ways

not heretofore brought out in any c multi-cylinder automobile, Among the car's unusual mechani

cal features are the crankshaft, pis- eight is strikingly demonstrated in combustion chambers, valve the cooling system, which requires an mechanism, cooling system, starter unusually small number of parts and connections. Only two radiator hose and generator. The crankshaft, dop forged from connections are employed, as against carbon steel, is tested for static and up to eight in other designs.

The cylinder block design provides extra dynamic balance. Short length between bearings gives it extreme rigid- large water space around the valves, ity and freedom from periodic vibra- enabling thorough cooling of each and tion. It weighs 99 1-2 pounds-prob- its seat, and eliminating any burning ably the heaviest ever manufactured or pitting. Though the cylinder block for an engine of comparable size. En- is one casting, its method makes each gineers say that its weight and stiff- cylinder bore separate from the next providing space between to give uni ness account for much of the supermoothness of the engine. Its thick, form cooling. This cooling space exeavy cheeks and its delicate balance tends down three-fourths the length ing forestall possibility of whip or of piston travel, giving a uniform cyldistortion inder temperature with uniform pro

The smoothness that such a shaft portionate expansion. might well be expected to mean to engine operation is accentuated by specially designed light iron pistons,

er in the cylinder block from passing ith extremely light and strong connecting rods of drop-forged duralumin. combined with the short, balanced at the thermostat sends all cylinder crankshaft-heavy and stiff-light block water back into the botton of connecting rods and light pistons in the engine for engine circulation only, ight-in-line construction mean the

simplicity, compactness, less fre- the rings is the reverse of the re-

until the thermostat opens at 130 deomplete elimination of vibration. Heavy Crankshaft.

Hupp engineers believe it better er ineering practice to use an extremely The new Eight has several other crankshaft, with bearings of cold weather features. Each cranklarge diameter and length, than a shaft throw contains large oil reser lighter shaft of cheaper design and voirs to give immediate lubrication to smaller diameter with more bearings, bearings when the engine is starting Though the Hupmobile design is more This is of special value in cold weath costly, the company's engineers point er, when oil in the pump becomes to the engine's performance as con- thick and congealed. Certainty of incing proof of its greater desirabilstarting in any temperature has been

Small, light crankshafts are provided by a generator and starter nore subject to twisting and torsional especially built for the car. This lat. Silencing Brake Rod Clevises. strains, they point out, regardless of ter is believed one of the most power-The clevises on the ends of the

Pistons are a special, permanent nould light cast, of gray fron. They first application of the starter at a This permits a certain amount of side Associated Press dispatch from that one of the four. but 14 ounces each. Total temperature of 30 degrees below zero. play which sometimes causes an ob- city. Despite mounted police and weight of the entire piston assembly, The battery is 17 plate, 155 ampere including connecting rod, bearing and hour capacity-the equal of the piston pin, is but 32 ounces. This exstrongest automobile battery made. ceptionally light reciprocating weight

cooling of the front ones at the ex-

The simplicity and efficiency of the

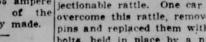
Thermostatic Valve.

pense of those further back.

in combination with the heavy, stiff Best Rings Necessary. crankshaft, makes for the rapid and When replacing rings, the best fitmooth acceleration and deceleration ting rings should be used at the top. Digest. particularly noticeable in the engine.

FIINT ,

so that the oll below cannot be con lifter type so successful in airplane sumed by the high temperature of the practice. Its features are quietness, exploding gas. The replacement of



Now-

polts, held in place by a nut with a along the boulevards.

Poles Whitewashed.

feet above ground.

Plug company.

"Regardless of the kind of spark plugs you use," he says, "they should be replaced at least once a

"That applies to our own product as well as all others. No spark phug in Paper Bags can be made that will not lose effi-ciency in from \$,000 to 10,000 miles of ciency in from \$,000 to 10,000 miles ofservice.

we not only will agree Santa de-serves a lot of credit for the motive Lincolns Reach Destination years that we have definitely establish "It is only within the last two ed this point as an engineering fact. For more than a decade all our efforts were centered on making a spark plug that would continue to Lincoln cars are now being shipped fire for a long period. In this we have been singularly successful. We could honestly say today that Champion It all came about recently when spark plugs would last as long as the the Lincoln division of the Ford Mo- engine in which they were installed. "But that would be unfair to the tor company found that cloth coverowner. Thousands of tests, not only ings didn't fully protect the cars from dust, cinders and other dirt incident by our own engineers but by those of to shipment. It was then decided to the various car manufacturers, have

to which spark plugs are subjected in engine operation decreases their Interiors of freight cars in which efficiency. This occurs so gradually through the radiator until its temper. Likely as not you cross safely and Lincolns are loaded are first swept that the average motorist fails to ature reaches 130 degrees. A by-pass are quite a distance away when the and then thoroughly scrubbed, water realize it. But it is exactly the same from a hose even being played on the as though the spark lever were retop to make certain there are no tarded a minute fraction of an inch

each day. "In less than a year's running unexcept in cases where they were care ed into place and then sealed up in engine performance. Then the owner pays for considerable repair work which would have been unnecessary ontainer is cut open, and the Lin- had he renewed his spark plugs at

'FUNT

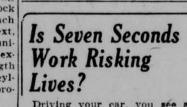
MISALIGNMENTS CAUSE TROUBLE One of the most prolific causes of

IRRITATE PARIS tire trouble and premature wear (Like most large cities, Paris is hav the casing is wheel misalignment ful in use today. In test rooms the brake rods are usually held by a pin ing its traffic difficulties and they are This means, of course, the wheels are engine has repeatedly been started at having a cotter pin through one end. becoming more acute daily, says an not running true and it may be any

The front wheels are cambered to jectionable rattle. One car owner, to traffic regulations, automobiles and provide ease in steering and are thus overcome this rattle, removed all the taxicabs crawl with irritating slow- toed in to care for the natural spread pins and replaced them with machine ness past the Madeline and the Opera in driving. But if the pitch, or camber, is wrong the car will not

lockwasher under it, which prevented any side play.—American Automobile cent police order placed 30 additional some part of the casing will have to thoroughfares under the regulation of bear an unnatural brunt. Again, if the rim is not settin

one-way traffic snugly the tire will wobble, and it is M. Morain, the prefect of police, has On all Pennsylvania state high-suggested underground garages for sometimes difficult to tell this from ways the poles are whitewashed six vehicles which now have to park by misalignment.—American Automobile Digest.



these

coaches

Driving your car, you see a train seal them up in dust proof paper con- proved conclusively that the stress coming. It's a passenger train, but tainers.

There are at least three young men

recently purchased from the Omaha

Hudson-Essex company and presented

to members of his family by one of

back of these gifts, but he also dis-played excellent judgment in selecting

powerful, well-built Hudson

Omaha's influential manufacturers.

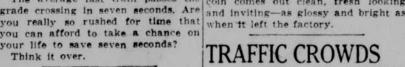
ta is still on the job. The picture coaches Cars Shipped

A thermostatic valve prohibits wat you are sure you can beat it across the tracks. So you take the chance. train thunders past. But-

Thousands are killed each year at leaks in the roof. railroad grade crossings, afoot or in After the car is cleaned and dried grees and allows circulation into the autos. Every one of them was sure the floor is covered with dust proof der ordinary driving conditions there radiator and through the entire sys. he could heat the approaching train, paper. The Lincoln is carefully block- is a distinct loss which impairs

less and didn't observe the train com- the big paper bag. When it arrives at destination, the coln comes out clean, fresh looking the proper time." The average fast train passes the

you really so rushed for time that when it left the factory. you can afford to take a chance on your life to save seven seconds? Think it over.



as Glossy as When They

Leave the Factory.

n paper containers.

Here's how it is done:

mission keys were in the locks when they stole the cars. Were it not for the carelessness and indif ference of a great many automobile owners, insurance rates would be de creased 50 per cent. The fact remains hat the average automobile owne ordinary precaution to inmust bear the increased cost of his in. on July 5. Among the other races of surance because of the carelessness of others

Arrest Garage Thieves.

During the past week Automobile Detectives William Cich and Lloyd Etectives William Cich and Lloyd Sept. 6; St. Sebastian Grand Prix for Bolar and Detectives Kimball and touring cars, Sept. 14, and for speed Fielding have been instrumental in cars. Sept. 15. the arrest of Earl Karls and Louis Hertness, who have made it a bush Care of Storm Curtains. ness of breaking into garages and stealing tires, batteries and other accessories. Detectives Cich and Bolar have in the past week, recovered property stolen by a better fit when they are fastened

\$4.500. Karls and Hertness have confesse to about 25 burglary jobs and the of ficers have been successful in locat

ing and returning to the owners prac tically all of the property stolen. The police department is handi to a great extent in the ap prehension and conviction of tire and accessory thieves because of the fact that the majority of automobile own ers cannot positively identify tires and accessories stolen from them. Inspector Pszanowski suggests tha all automobile owners make and keep record of the serial numbers on heir tires, particularily the spar tires so that they may have a post tive means of identifying their prop erty in the event that it is stolen. A great many of the tire and auto mobile accessory thieves that are ar

rested escape punishment because the laxity on the part of the automo bile owner in establishing a means of identifying his property. Until the automobile owner keeps a record of the serial numbers of his tires con viction of tire thieves will continue to be a matter of chance.

Carbon Monoxide Peril, Says U. S. Health Service

warning is issued to all autoists from the office of the surgeon general of the United States public health service of the danger involved in running a gasoline engine in a small closed place for any considerable period of time. The deaths which have occurred from carbon monoxide poisoning are cited.

The attack of carbon monoxide poisoning comes on insidiously and consciousness is lost gradually. Even though the victim may become aware of the danger, he is often unable to escape because of loss of power. The automobile worker in the small

garage is most frequently the victim. therefore behooves every person who runs an engine in a small garage to see that the room is ventilated properly by having the windows and the doors open. So say the federal experts.

Peril in Lack of Care. Do not operate a motor vehicle recklessly or at a rate of speed tar than is reasonable and

miles **1925 GRAND PRIX** HELD IN BELGIUM for only a short time.

In order to popularize locally the The European automobile Grand great American pastime of driving sure the safety of his automobile Prix for 1925 will be held in Belgium one's own car a movement has been started in Berlin and some of the interest are: France's Grand Prix for other cities to set up automobile ouring cars, Montherly autodrome,

Lee Huff of the Nebraska Buick company and vice president of

TEST CHARCOAL AS

Engineers in Sweden are attempt

ing to solve the automobile and rail

ceived by the American Chemical so

saving of 50 per cent in the fuel ex-

"The experiments are based upon

installed and given a practical trial

in a series of locomotives on some

AUTO DRIVING

In all of Germany, which is some-

GERMANS STUDY

for automobiles

ments on its cars."

GAS SUBSTITUTE

parks within the city centers. July 19: France's Grand Prix for speed

gallons

West Indian Oil Increases.

The petroleum industry of Trinidad, when cold to reduce the use of choke with its resultant harmful dilutio started 19 years ago, has shown an increase from 368,934 gallons in 1905 and carbon formation. Particular a

total production during this period of ders six, seven and eight because o time has been more than 688,000,000 the difficulty encountered in this re spect in previous eight-in-line types Storm curtains should be permitted gallons. Only twice has the steady into dry unfastened. This will enable crease in production been arrested. The water inlet to the cylinder bloc them to shrink a little, thus assuring in 1915-16 and in 1919. was placed at the lower extreme rea The exportation of crude and refinwith outlet at the front. As the rea Karls and Hertness to the amount of on again. Undoing the lower fasten- ed oil in 1923 amounted to \$5,136,457 cylinders receive the coolest water

this counteracts the fan's greate

Reduction

855*

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THE OMAHA FLINT COMPANY GUY L. SMITH President and General Manager.

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tually impossible with this method. the motor industry in the country. is pointed out. The design permi nobiles to stand in the streets unless all valves to be placed at an angle Police regulations do not permit autoattended by the driver, and even then

neavy

weigh

reducing considerably the wall are of the combustion chambers and giv ing a compact, quick burning charge of gas.

the number of bearings used.

All these mean higher power eff ciency and minimum carbon.

Valve mechanism is of the rocker

wear and valve seat pounding are vir

Cooling System

Two features were striven for i he cooling system-efficient cooling and rapid warming of the engin

to 106,780,531 gallons in 1923. The tention was devoted to cooling cylin

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