

## AUTOMOBILES, TRUCKS AND TRACTORS

MOTORCYCLES — BICYCLES — ACCESSORIES

### RAY MCNAMARA TO BE FEATURED FOR STATESMAN READERS

Automobile Article by Famous Expert, of Interest to Local Motorists, Will Appear Each Sunday in Automotive Section—Personal Close-up of Man Who Universal Endorsement.

No writer on the subject of motor cars has ever received such universal endorsement from leading automobile engineers and manufacturers as Ray McNamara. McNamara's articles under the heading "Spring Housecleaning for your Motor Car" will appear every Sunday in this paper. His articles will score, not only with the average owner, who dislikes mechanical subjects, but with the automobile dealer and mechanic who thoroughly understands the intricacies for both classes.

For the past 20 years McNamara has occupied a peculiar and important position with several of the largest factories at Detroit. But it is only in the past two years that his newspaper articles for owners have received such widespread attention. McNamara is acknowledged today as the leading and most widely read authority for owners in this country.

Not only has he attained this position through newspaper recognition but through automobile clubs, dealers' associations and some of the best known manufacturers.

W. C. Durant, formerly chief of the General Motors Co., and now president of Durant Motors, his own organization, is an ardent admirer of McNamara's newspaper articles. He is quoted having recently stated to another prominent manufacturer:

"McNamara's records for mileage and safe driving make him the outstanding authority for owners in America."

Regarding records, Mr. Durant refers to the fact that McNamara is accredited with having driven nearly one million miles and has never had an accident or been arrested for violating a traffic law.

Another noted manufacturer, John N. Willys, who has been a figure in the industry since the bicycle days, pays this compliment to McNamara: "A man with McNamara's experience can do a lot of good for motorists and the motor industry. I am glad to see his articles so widely published."

Mr. Willys means that McNamara's sound policies of economy and safety are beneficial to the thousands of Overland and Willys Knight owners as well as owners of all other makes.

There is no one, from the owner of a Ford to an expensive imported vehicle, who can not get valuable and interesting information out of McNamara's weekly article. He writes at all times for the benefit of the "average owner" always non-technical, accurate and easily understood. Unlike many automotive writers, his every theory is the result of practical and actual experience in his



Ray McNamara

20 years as experimental and road engineer.

His topics for discussion change with the seasons and his latest series covers the problems of "Spring Housecleaning" for motor car owners dwelling on the importance of "tightening up", "cleaning up" and "painting up" cars.

**FOREIGN WHEAT**  
LIVERPOOL, May 5.—Close: Wheat, unchanged to 3/4d lower; May, 10s. 5d; July, 9s. 11 1/2d; October, 9s. 9d.

### CARBON LIKENED TO ASHES BY EXPERT

Willys-Knight Sleeve Valves Shown to Be One Solution of Carbon Trouble

Whether it be the household-er's cellar furnace or his motor in the back yard garage, there is usually one vexatious bother to the successful operation of them—taking care of the ashes.

Generally speaking, there must be ashes after a fire, and this truth has been made manifest to the motor car owner times without number when he has found his motor losing pep and punch and has been forced to lay it up in the repair shop for a few days while the carbon was being ground from the valves and pistons.

"Carbon is no more than ashes, hardened to a clinker hardness by the action of heat and clinging to any projection that offers a fingerhold," says E. L. Bernard, service manager of the Toledo branch of Willys-Overland, Inc. "It was not surprising then that the Willys-Knight motor should be hailed by its thousands of friends as the motor that baffles carbon. The motor baffles carbon because it offers little room for carbon. Its sleeve-valve design is so cleverly designed that what carbon is permitted to remain aids rather than weakens the motor's function."

than weakens the motor's function.

"In the Willys Knight motor two cylindrical sleeves glide silently up and down between the cylinder wall and piston, one working within the other. Ports or openings in these sleeves register with each other and with the cylinder ports at proper intervals, forming large and unobstructed passages for intake and exhaust gases.

"Each sleeve is raised or lowered by a connecting rod from an eccentric shaft—not by uncertain cams and springs. Their operation is positive, accurate and dependable.

"The compression ring at the top of the explosion chamber presses against the surface of the inner sleeve in the same manner as the piston rings—sealing the combustion chamber. What little carbon lodges in the chamber must lodge around the compression ring thus helping to seal compression more tightly. The greater the tightness of compression the greater the motor's power. Therefore, as the carbon deposits pack about this ring the motor improves and gives pronounced improvement in power that the motor can truthfully be said to improve with use.

"Every part of the combustion

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### FORDS

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### RECORD SHIPMENT OF MAXWELLS MADE

April Sees More Than 500 Maxwell Cars Move From Detroit Factory

DETROIT, May 5.—With a shipment of 548 Maxwell cars Saturday, April 21 all records of the Maxwell Motor corporation for a single day's shipment were smashed, indicating that Maxwell has apparently reached maximum production several months in advance of what is generally considered peak season. Maxwell's history throughout the winter and spring has been one of continuous activity and it is reported that orders have constantly remained well ahead of production. As production gradually mounted toward peak season requirements, chamber is machined to a smooth finish. The carbon, having no place to lodge, must be exhausted through the large unobstructed valve openings. What carbon may be caught upon the sleeves only builds them up and through the action of the pistons these sleeves gain a glass-like finish."

demand likewise increased at an ever growing rate, and even with high schedules Maxwell's facilities to produce are not able to cope with public demand, though it is believed that shipments of the size made on April 21 will be a common occurrence for Maxwell from now on.

Maxwell's increasing business of past months is well reflected in

the quarterly statement of the company, that shows a net profit

(Continued on page 8)



Our painting is perfect to the very detail—and is perfect underneath the finishing coats where you can't see but where the work must be perfect if the job is to be a lasting, beautiful one. Nothing inferior in workmanship, paints, or varnishes if WE do the work.

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Spot Light  
1923 License

\$395

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## THE STORY of an AUTOMOBILE

Here's an intimate story of automobile building that will appeal to everyone who has ever ridden in a motor car.

It's even more interesting than an actual trip through an automobile factory because the camera pictures details which would escape the eye. It abounds in human interest, with many thrills and in many cases real excitement.

You see the various parts transformed from the red hot metal to the finished unit. You follow the final assembly line in operation with units added in logical order, each unit being traced throughout its manufacture before the next is applied.

This film was produced under the direction of the United States Department of Commerce in cooperation with the Studebaker corporation and will be shown in all parts of the world. It is an education in manufacturing efficiency.

## GRAND THEATRE

Thursday, May 10, 1923  
Showing at 3:30 and 8:00 p. m.

ADMISSION FREE

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**C-T-C Tires Conserve The Car**

Something More Than Long-distance Mileage Built Into C-T-C Cords

COMFORTABLE riding, less car depreciation and reduced upkeep expense are built into C-T-C Cords—as well as maximum mileage.

Improved design and construction, together with best materials obtainable and superior compounding for added toughness and resiliency of the rubber, produce in C-T-C Cords a tire which can be driven with 30% less inflation than so emphatically recommended in other cord tires—and yet experience extra-long-distance mileage.

30% less air pressure in C-T-C Cords means fewer trips to the overhauling station and longer life to the car.

C-T-C Cords are hand-built under rigidly limited production and are more powerful and durable from the special bead to the heavily buttressed, traction and suction, wear-resisting, non-skid, tread.

C-T-C Cords 30x3 1/2, to 35x3; Fabrica 30x3 and 32x3; only. C-T-C Inner Tubes are the heaviest, strongest standard tubes on the market.

See C-T-C Tires on display at COLUMBIA TIRE CORPORATION FACTORY BRANCH, Carl E. Kullenberg, Branch Manager, 477 Court Street, Salem, Oregon. Dealers throughout the country.

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