Many Sizes Eliminated by Order of War Board.

SCHEDULE ADOPTED

Statement of Interest to Owners of Trucks Issued by the B. F. Goodrich Rubber Company.

Tire standardization has not been restricted to pneumatics. The lordly truck tire has now been taken down a peg or two by the War Industries

Elimination of certain sizes in truck tires does not come as a surprise. The war service committee, composed en-tirely of big men of the rubber indus-try, met in July and recommended sizes

that could be dispensed with. These recommendations have been accepted by the War Industries Board. The B. F. Goodrich Rubber Company, one of the largest of solid thre manufacturers, makes public the new sched-ule, which should be of vast interest to truck owners:

Class "A," permanent standard—32x3, 37x3 1, 57x4, 36x4, 36x5, 46x5, 36x6, 46x6, 36x6, 46x6, 36x7, 36x8, 16x10, 46x12, 46x12, 46x14, 16x2, "B," to be discontinued November, 1920—34x8, 34x5, 34x5, 36x3 1, 36x3 1, 36x4, 36x5, 46x7, 1919—32x215, 36x3 1, 38x4, 36x5, 34x6, 38x6, 1918—42x3, 16x3, 38x4, 36x5, 34x6, 38x6, 1918—42x3, 16x4, 36x7, 36x3, 36x10, 47x10, 36x12, 42x14, 16x6, 16x7, 36x7, 34x5, 34x10, 47x10, 16x8, 16x7, 36x7, 42x7, 34x5, 34x10, 47x10, 16x8, 16x7, 36x7, 42x7, 34x5, 34x10, 47x10, 16x812, 42x14, 16x7, 36x7, 36x7, 34x5, 34x10, 47x10, 16x812, 42x14, 16x7, 34x5, 34x10, 47x10, 16x812, 42x14, 16x7, 34x5, 34x10, 47x10, 16x812, 42x14, 16x7, 34x7, 34x5, 34x10, 47x10, 16x812, 42x14, 16x7, 34x5, 34x10, 47x10, 16x812, 42x14, 16x7, 34x5, 34x10, 47x10, 16x812, 42x14, 16x7, 34x5, 34x10, 47x10, 16x812, 42x14, 16x812, 16x

Permanent standardization in class A is given popular sizes of solid tires. Class B consists of sizes which are now used as original equipment by manufacturers and will have to be con-tinued to take care of trucks now in use or being placed on the market. No-vember, 1929, was set as the date for discontinuing the manufacture of tires

in class B.

Class C pertains to sizes which in the past have been original equipment sizes and which are still being used by many trucks, including fire apparatus, etc. It was decided to discontinue the manufacture of all tires in this class November, 1919.

Class D represents tires which have become almost obsolete and class E.

become almost obsolete and class E stands for sizes which are practically obsolete at present and which all companies have agreed to stop the many facture of at once.

ANOTHER SHIPMENT ALSO IS EN ROUTE HERE.

Mitchell, Lewis & Staver Company Selling All Mitchells and Jordans It Can Get.

One of the first shipments of Mitchell automobiles for some time was received from the factory a week ago by the Mitchell, Lewis & Staver Company, Mitchell distributors here. Another

Mitchell distributors here. Another shipment is en route.

These cars, which include both five and seven-passenger models, are being snapped up about as quickly as they arrive, for there has been a dearth of Mitchell cars, owing to war orders which the factory is filling, for a good while.

Mr. Mitchell took the distribution for Oregon of the Jordan Six some time ago in addition to the Mitchell line. He has sold all the Jordans he could get. This car, which comes in both the popular sport marine and the sub-urban seven models, is one of the niftiest cars on the market. Its body is of aluminum, and the car comes to

the purchaser completely equipped, even to spare tire. Mr. Mitchell is driving a Jordan car himself.

Now is a pretty good time to get automobiles, for they will be mighty hard to obtain after the first of the year. In a few weeks, also, an additional war tax will go on all new cars.

Portland Auto Man Wins Aviation Commission.

Knowledge of Mechanics Quickly Gnins Advancement for D,

D. C. Warren Motor Car Company and state distributor for the Velle and Peerless cars, left Portland at the head of a draft contingent of 400 men sent to Fort McDowell, Cal. He returned for a few days leave last week wearing the gold har of a second lieutenant in the air service, aeronautics. Lieutenant Warren won his rapid promotion because of his expert knowledge of gas engine mechanics and his careful attention to duty from the time. LITTLE more than four months tion to duty from the time he entered the service. He was transferred from Fort McDowell to Mather Field as an airplane mechanic, and early this month received his commission in the engineering department of the air service,

He has been ordered to Riverside,
Cal, to take the flying course which is required of all aviation officers, even those in the engineering branch. However, Lieutenant Warren while at Mather Field went into the air at every little heat.

of wood and a hammer.
This loosens the obstructing material from around the carbon and permits free chemical action.
The asphaltum on top of the cell may be scaled again by application of a little heat.

opportunity, and already has learned how to loop the loop, do the Immelman roll, spinning nose dive and most of the other aviation stunts required of the expert airman. He says flying beats

While here Lieutenant Warren visited W. R. DeLay, to whom he sold his interests in the D. C. Warren Motor Car Company when he entered the service. Mr. DeLay put a Velle car at his disposal during his stay in Portland. Lieutenant Warren was here so short a time that he was able to see only a few of his many friends.

TRUCKS REPLACE HORSES

Federal Trucks and Semi-Trailers Haul Lumber Long Distance.

Mules and horses formerly used in the swamp lands in the Southern lum-ber belt have proved too slow in the work of helping supply Uncle Sam for ships, cantonments and other wartime ships, cantonments and other wartime construction and their places have been taken by motor trucks, those of the tractor type pulling a semi-trailer for finished lumber or bunk trailer for logs being particularly successful.

The W. M. Walker Lumber Company's

The W. M. Walker Lumber Company's sawmill, in a swamp 14 miles from Fayesteville, N. C., uses Federal tractors with four-ton semi-trailers, each outfit hauling \$125 pounds of 16-foot lumber from the sawmill each trip. This means a pull of two miles over swamp trail, while the remaining 12 miles are over a Government road. The truck makes

and hold it close to some part of the engine so as to ground the spark. A space of about an eighth of an inch is about right. I close the switch and move the spark lever back and forth to interrupt the primary current. He did this while he was speaking.

"No spark! If there had been, the trouble would have been in the distributer. As there is no spark, I must look at the circuit breaker or interrupter. By moving the spark lever we can make the points open and close. No sparks jumps across them when they break While they are open we'll touch them with a screwdriver. You see we get a good spark. This shows that both points are allve, but that a current Process Simply One of Elimination, Says Expert.

HOW TO DO IT EXPLAINED

Essential to Correcting Engine



Woman or boy can operate the Moline, which has two-plow equipment. Burns gasoline, kerosene or distillate and can be turned in a 16-feet circle. The Moline Flow Company, including the tractor and other farming implements, was recently purchased by the Willys-Over-land Company, though the Moline organization, it has been announced, will be kept intact.

two trips one day and three the next and the Walker Company has figures to show that in five months' time this outfit has paid for itself in the saving of transportation cost.

GOODRICH SUBSCRIBERS MANY

GOODRICH SUBSCRIBERS MANY

"In the majority of cases you do, and in the other cases after a few minutes' search. My engine refuses to run at this instant. I am going to give you at this instant. I am going to give you at minutes to get it started. Judging two trips one day and three the next repair man who was working over his

Company Officials and Employes Take Quota of \$2,150,000.

Had the same punch and smoothness of organization been behind other campaigns that guided the B. F. Goodrich Rubber Campany the Nation would not have been compelled in the final days to struggle so desperately for the \$6,000,000,000 set for the fourth loan, give should run."

What particular detait are you tokking for now?

"I am trying to get a spark."

"But why look for a spark instead of something else? And what other treuble might it be?" The trouble man waved his hand majestically.

"There are five reasons why an engine should run."



-Photo by Grove.

od and a hammer,

REPUBLIC

Built in capacities of %-Special, 1, 11/2, 2, 31/2, 5-Ton

MOTOR TRUCKS

We have each size in stock for immediate delivery.

ROBERTS MOTOR CAR CO., INC.

Park and Everett Sts.

Portland, Oregon

Largest Distributors of Motor Trucks in the Northwest.

When it Misses.

get a good spark. This shows that both points are alive, but that a current doesn't run while the points are closed." Then the points need cleaning? "Exactly! A piece of fine sandpaper will soon remedy that." "But if you had found a good spark at the interrupter points?" "The trouble would have been in the induction coll."

When Cylinder Is Missing.
"And if there had been no spark at the interrupter points when you touched both of them with a screwdriver?" Knowledge of Mechanism of Auto Is

him approvingly and went on:

n Portland last week to the following buyers of latest model motorcars, pending arrival of the official state licenses from Salem. This list is compiled by M. O. Wilkins, publisher of the Auto-mobile Record: Austin Underdahl, 809 % East Lincoln rect, Chevrolet. Mrs. Elizabeth Scott, 844 East Salmon,

and worked forward to the coil and then to the interrupter. By consider-

ing each part in turn I should have found the trouble."
"But supposing your engine ran, al-though some cylinders were missing explosions?"

"If one or more cylinders were miss-ing persistently, I should look at the plugs at the distributer or the wire between. If the miss seemed to run

rom one cylinder to another it might e weak battery or corroded inter-

be weak battery or corroded inter-rupter points. Here experience is the best guide.'

"Experience is a good teacher, but a hard master,' said my friend.

"But it becomes a useful servant to the man endowed with persistence,' said the trouble man."

New Car Owners in County. Temporary police licenses were issued

uilding, Dodge.
David Belliter, 210 East Thirty-third
treet, Dodge.
G. E. Weaverson, 423 East Fifty-first street, Dodge,
G. E. Weaverson, 423 East Fifty-first street, Eigin,
Adolph Peterson, 467 East Everett, Max-J. A. Black, 1734 Division, Oldsmobile, H. W. Sharp, 826 Hamblet avenue, Olds

George F. Schloth, 504 East Thirtyeventh, Dodge. Dr. Leo Ricen, 818 Journal building, Ford. Oscar S. Lund, care Dearborn Truck Com-Oscar S, Lund, care Dearborn Truck Com-any, Hupmobile. F. J. Cobbs, 588 Montgomery drive, Paige. Alfred N. Du Puis, 346 East Forty-fifth, tudebaker. Mrs. A. F. Flegel, 1310 East Eighteenth, hevrolet. L. O. Thompson, 4912 Seventy-fourth street outheast, Ford, L. J. Gibbons, 89 Miles, Ford, J. B. Yeon, Yeon building, Franklin, C. Holstrom, 194 East Twenty-fourt

n, Velle. L. Matifeldt, 561 Everett, Dodge, vurts Furniture Company, 185 First 10 minutes to get it started. Judging from what I have seen you do pre-viously, that is a liberal allowance. What particular detail are you looking Gever's Furniture Company, 185 First reet, Ford, McDougall-Over, Co., East Water and Hawthorns, Ford. J. C. Luird, Benson Hotel, Hupmobile. W. W. Starkey, 995 East Fifteenth North

Harry Chung, 527 Greenwood avenue, Max rell.
C. H. Lewis, 408 Lewis building, Paige.
Columbia River Shipbuilding Comp.ny,
cot of Meade street, Pierce-Arrow.
Nels Hustad, 843 Greenwood, Chevrolet,
Gus Keramidas, 27 North Fifth, Rudson,
W. J. Fullman, Lenox Hotel, Velie. "There are five reasons why an en-gine should run."
"And about 5000 why it shouldn't."
said my friend. The trouble man eyed

AUTO SERVES USEFUL PURPOSE

Del Wright Asks What Country Would Do Without Auto.

him approvingly and went on:

"The first two are compression and lubrication. I eliminated these two by cranking by hand. The crank shaft moved freely, showing that lubrication was good and there was a good spring back to the compression. The gasoline 5 put into the cylinders through the priming cups did not explode—showing ignition trouble. If the engine had started and stopped, carburetion trouble would have been indicated."

"That makes four conditions—igni-"What would happen if every auto-obile in the world refused to run?" mobile in the world refused to run?" asks Del Wright, local Kissel distrib-"How would the farmer who lives would have been indicated. many miles from town get his milk, "That makes four conditions—igni- eggs and garden produce to market?

"That makes four conditions—ignition carburetion, lubrication and compression.

"What is the fifth?"

"Cooling—but that only comes into play after the engine has started, so we need not consider it now."

"Having satisfied yourself that it is an ignition trouble, how are you going to work to locate it?"

"By looking for a spark at the distributer end of the cable from coil to distributer. I disconnect the distributer and of the cable from coil to distributer."

"Thow would the doctor be able to meet the emergency cases that depend on a saving of time?

"With the high price of horses, the elimination of the automobile would put a Nation afoot.

"Without automobiles how much longer would it have taken the liberty bond salesmen to reach buyers?

"With five passengers to every one of the 5,000,000 automobiles, what would happen to the railroads if these addi-

Another Reason Why the Kaiser Is Being Trounced

PRODUCTION OF FORD PASSENGER CARS IS STOPPED FOR THE DURATION OF THE WAR We are now distributing the last of our allotment of the Ford Sedans

The Ford Sedan offers the maximum of comfort the year round with

Remember this luxurious Sedan body is built over the ever-enduring

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Sixth and Madison

AUTHORIZED FORD DEALERS

Ford chassis and propelled by the incomparable Ford motor.

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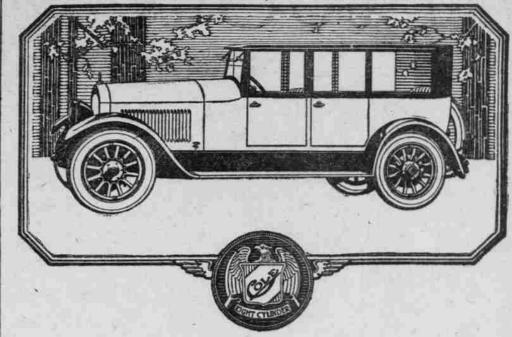
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Northwest Auto Co. Alder at Chapman

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tional 25,000,000 passengers depended on them for transportation each day?"

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EMBODIES FEATURES OF HIGH-PRICED CARS WITH THE ECONOM-ICAL OPERATION OF A LIGHT CAR. IT IS STRICTLY A HIGH-GRADE PRODUCT OF ONE OF THE LARGEST MOTOR CAR MAKERS-THE GEN-ERAL MOTORS COMPANY.

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