xports Much Less Than During War Period.

URPLUS ON HAND BIGGER

roduction Also Shows Large Gain Which Is Being Offset by Increased Number of Cars.

WASHINGTON, Oct. 4 .- Produc of crude oil for the first six the of 1919 indicates a greater luction for this year than last, rding to figures furnished the ed States geological survey. For first six months of 1918 it was his of 1919, an increase of 5,000,-

m, which showed gradual decline irawn from storage, has reversed crease of storage of \$,000,000 els and on June 59, 1919, the reserve approximated 126,000,-

line production has increased exports have decreased. In the six months of 1919 237,800,000 more of gasoline were prod than in the first six months of according to figures from the an of mines. At the same time ris decreased by \$8,000,000 gal-due to the cessation of hostili-

the first half of 1919 2,000,000 a more of gasoline were export-the insular possessions of the States than in 1918, due to the me of tankers for domestic trade. atic demand for gasoline has \$2,000,000 gallons greater in the Half of this year than in the first of 1918. It is expected that with increasing use and number of Cractors and trucks the demand seasonal demands for gasoline there were 418,000,000 gallons asoline in storage. This was regallons, but in the winter the stocks built up until on 0, 1915, there was approxiely 594,000,000 gailons of gasoline

exported in the first six months 19 than in a similar term of 1918 ils is probably accounted for by the base of tankers from war duty. Stocks of kerosene from June 30, 18, to June 20, 1913, were reduced

finery statistics show for the

months an increase in proction from refineries of 107,000,000 lions; exports decreased by approx-ately 213,000,000 galions; domestic umption increased only \$3,000, gallons and shipments to insular sessions increased from 2,000,000 58,000,000 gallons. The stock of all and gas oil at the refineries for the 20, 1913, showed an increase over the 30, 1918, of 281,000,000 gallons. a probable the present fuel oil is is temporary, and in from two by years fuel oil will be in great nd. This is because the navy is rting its coal-burning ships to burners and if the plans of ou mplated merchant marine are oped there will be a large inse in the annual consumption of

period in 1919 is about the sam sting to approximately 409,000, -allons, but with a decrease of ico gallons in the domestic cor mption for the first haif of this ar, possibly due to the large muni-n plants closing down, and that ring the first half of the year the

EDITOR OF IRON AGE GREAT BOOSTER FOR CAR.

"The Country Has Gone Dry, Why a Radiator?" He Asks, in

When it comes to successive ownership of a single make of car, George A Newett of Ishpeming, Mich, pretty and Brisco Company. McHaie recently returned from a war-time hitch in the may, mean bolds the crown.

Mr. Newett, who is editor of Iron Age, a trade paper, is driving his twenty-sixth Franklin. And he dectares as last car is the best of ali. "My new car, the twenty-sixth, is the very best of all, and all were good," Mr. Newett writes. "Have never half a breakdown on the road, and have never been pulled a foot in the 15 years I have driven 26 Franklin cars. I get much better than 20 miles to the gallon of gasoline on my new car, about 25 on good roads and better than 20 miles of driving. Have not had a puncture in two years, representing shout 12,000 miles of driving. Have not had a puncture in two years, representing shout 12,000 miles of driving. Have not had a puncture in two years, representing shout 12,000 miles of driving. Have not had a puncture in two years, representing shout 12,000 miles of driving in two ncture in two years, representing out 12,000 miles of driving in two rs. On my last year's car I drove 000 miles and the tires were good ars. On my last year's car I drove the air valve of the carburetor to get at the second or at least 6000 more. And I ride to the air valve of the carburetor to pour water into it to remove carbon, it is a good idea to have a petcock fitted into the inlet manifold. This ranklin. I make better time over also serves when it is necessary to ough roads and have no water troute. The country has gone dry. Why ble. The country has gone dry. Why

LIGHTER AUTO FOR FUTURE

It Will Have Smaller Engine and Be Easier Riding.

Lighter cars, higher mileage and wer cylinders are the predictions and in England, for the motor chicle of the future.
A particularly interesting America prophecy specifies a five-passenger car weighing only 900 pounds with a plywood body, a new type of spring suspension, a 120-pound, 13-horse-power, six-cylinder motor and a mileage of 30 to 40 per gallon. The design of such a car will be influenced largely by the discoveries and adopted practices in airplane construction, and the result will be an easier-riding vehicle than the present cars, in spite of its extreme lightness.

vehicle than the present cars, in spite of its extreme lightness.

Large cars will be limited to six cylinders, while four will be considered enough for a roadster, and closed bodies will take preferred position.

An apparently inevitable development is the design of future motors for the consumption of low-grade fuel. Considerable progress already has been made in this direction, and cars have gradually been growing care have gradually been growing lighter and more speedy for the last four or five years.

BUICK EMPLOYES FORTUNATE

Company Building Plant for Rec-

The General Motors corporation has begun construction of a seven-story fireproof building at Flint, Mich. three squares west of the Buick plant, to cest approximately \$2,500,000 and which will be a community building at fire start of 1913 indicates a greater with recreation and entergainment features to accommodate 2760 persons at one time.

According to Walter P. Chrysler, barrels in the first six months of 1918 it was barrels, compared with barrels in the first six months of 1918 it was barrels, compared with barrels in the first six months of 1918 it was 1919, an increase of \$5,000.

The General Motors corporation has begun construction of a seven-story fireproof building at Flint, Mich. three squares west of the Buick plant, and entergainment of the speed-trap methods which have become very obnoxious in some parts of Delaware near Wilmington lately, the Delaware near Wilmington lately, the Delaware near Wilmington lately, the Delaware Austomobile association and THIS 3½, TON STANDARD TRUCK HAULS FOUR VARDS OF TAXES.

The General Motors corporation has begun construction of a seven-story fireproof building at Flint, Mich. three squares west of the Buick plant, to construct a great highway from Yakima south a

THIS 31/20TON STANDARD TRUCK HAULS FOUR YARDS OF SAND OR GRAVEL AT A LOAD IN

PROPOSED ROAD TO

Highway Would Skirt Picturesque East Side of Peak.

YAKIMA IS ONE TERMINUS (\$210,000,000).

land Will Be Greatly Short-

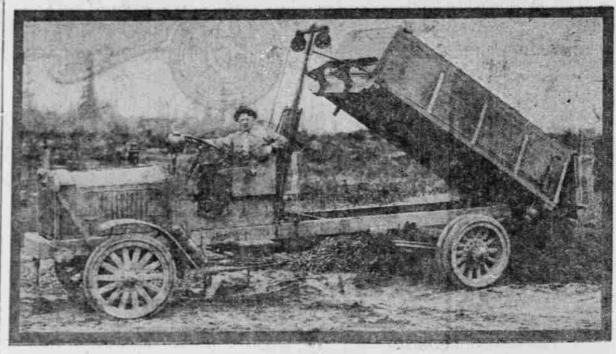
ROAD CONSTRUCTION WORK.

with reasonable accuracy or any numerical conclusions arrived at on the usual methods of assessment and computation, because of the changing relations of capital and labor and the unstable financial conditions pending reformations of the coinage and rate of exchange. However, there is some source of information to be found in the recent official evidence at the income tax inquiry of the royal commission.

commission.

At present there are 3,500,000 payers of income tax and 59,000 who pay a supertax on their taxable incomes. The amount obtained is £338,000,000 (\$1,690,000,000) of which £3,000,000 (\$40,000,000) are from weekly wage-earners, the \$5,0000 supertax payers, be it added, contributing £42,000,000 (\$210,000,000)

In the absence of the number of workers concerned in this £8,000,000 contribution, it seems safe for our present purpose to assess the incomes earned at f250 (\$1250) per head, re-membering that f5 (\$25) per week, and much more in some cases, is be-ing paid to skilled mechanics.



ne of three Standard trucks of this same size, with dump hody equipment, working on new highway near Bo ton. They haul sand and gravel from Portland six or eight miles to where work is in progress, averaging \$8 per lond. The owners of these trucks earn in gross receipts as much as \$70 per day. The trucks were purchased from the Palace Garage company.

pany, this great enterprise has been is is probably accounted for by the asset at ankers from war duty. Stocks of kerosene from June 20, S. to June 20, 1913, were reduced upon by the directors solely accessible the grand est 25,000,000 gallons to 252,000,000 fallons of 174,000,000 gallons to 252,000,000 fallons of 174,000,000 gallons of 252,000,000 fallons of 252,0

WATER POLO CHAMP SELLS LIB-ERTY AND BRISCOE CARS.



Frank J.McHale

Everybody at the Multnemah Amateur Athletic club knows Frank J. McHale, who is one of the demonswimmers and water pole players at that institution. This is introducing lava flow and on the east by Heil him as salesman for Liberty and Briscoe cars with the W. H. Wallingford darles are many little streams, form-

Uses of Petcock.



mountain Pan-to.

Each Slope is Different.

There is no language in which the shape can be difinitely described. Perhaps it may properly be called shapeless. From no two sides does it look to be the same mountain. Roughly, it may be called a great snow-crowned ridge, rising for more than a mile in height above any other point of land within 20 miles. This tremendous ridge has three summits, the middle being by far the highest. to the truck

as nearly perfect as manufacturer.

To Straighten Front Axle.

A method of restoring a front axle which has been bent is to take two lengths of 4x4 inch joist just long anough to reach from the upper side of the axle outside each spring plate of the axle outside each spring plate of the axle outside each spring plate of the southeast, the road leading ones the great canyon of the Klickitiver. There is also a connecting between Glenwood and Trout are now tribus.

Columbic.

points are now tributary to the fa-mous Columbia river highway and to Washington state highway No. 8. Washington state highway No. 8. From Glenwood and Trout Lake in different though interesting roads lead to within a few miles of the snowline. The last lap of the journey to the parks and snowfields must be on horseback or on foot.

Beautiful Alpine Meadows. What may be properly called the park belt extends entirely around the mountain. No words can describe their beauty. The best known and most visited of the Alpine meadows are on the south side, looking down on Glenwood and Trout Lake countries.

The most beautiful portion is be-tween the 5000-foot contour on the south and the snow line on the north

The Sturdy

Car

Newberg, Or., F. M. Shuck Auto Co.

Roseburg, Or., Umpqua Motor Sales Co.

Hood River, Or., Gilbert Motor Car Co.

North Yakima, Wash., Central Auto Co.

Corvallis, Or., A. G. Held & Co.

Pendleton, Or., Motor Inn Garage

winter.

Distributors

Up as Car Prospects.

A recent American estimate gave the rate of cars per head of popula-tion in Great Britain as 1 to 225. The potentiality of the car market in



ACE TRUCK IS TAKEN

Oregon and Part of Washington in Territory.

HIGH-GRADE UNITS USED

Truck Equipment Includes Electric Lights and Starter, Bumper

manager for the American Motor Truck company of Newark, O., manufacturers of the Ace truck, made the arrangements last week with Paul Staiger, president of the Auto Sales company, whereby that firm took the franchise for the Ace. Mr. Wiltenstien promised Mr. Staiger immediate deromised Mr. Stalger immediate de-

promised Mr. Staiger immediate de-liveries of the truck.

The Ace line consists of two models, 1½ and 2½-ton, and the chassis comes fully equipped. These trucks are being sold all over the United States on a new and novel sales plan. The manufacturers have devoted several years to study of the truck field with particular attention to eliminating weak points of various other lines. In the Ace they make the claim that they the Ace they make the claim that they have overcome all such weaknesses, and that the truck embedies new and advanced truck manufacturing priniples throughout.
This truck comes to the purchaser

quipped with electric lights, electric tarter, bumper, moto-meter, hub-dometer, all-weather steel trailer ennection and steel wheels. The secifications throughout indicate the highest quality of materials and the care which the engineering depart-ment of the American Motor Truck company has taken in selection of

Before taking on the Ace truck the Auto Sales company made an inten-sive study of the truck situation in this territory. Mr. Stalger announces that the company will feature 24-hour service for trucks 365 days of the year—that service will, in fact, be a paramount feature. The company also will have a free inspection service for their truck owners. The first Ace trucks to arrive will be on display in the sales rooms of the Auto Sales com-pany, Ninth and Couch streets, about

MOON LEADS IN CAR STYLES

It Shares Distinction With Cars in High-Priced Class.

"It will probably be of interest to the automobile-buying public to know what the styles for 1920 cars will be," said Fred W. Houghton of the C. H. S. company, distributor here for the Moon car. "Our designers have been carefully studying the trend of public taste, and we have found some inter-esting things about next year's auto-

"For instance, the high radiator, such as is used on the Marmon, Moon and Hudson, will be the style for high-class cars. The square, beveled edge from the radiator back, as is found on the Packard, Moon and Cole. will prevail. The drop-out double cowl as used by the Cadillac and the

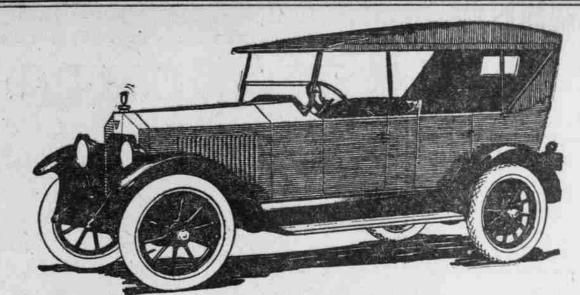
Immediate Deliveries

The steel strike is going to cause Why wait when we are in a posimuch delay in deliveries, and tion to deliver one now, and you that long-looked for automobile, will have the pleasure of an automay not be forthcoming this mobile much sooner than you

Don't Come in Next Week-Come in Today

expect?

The C. H. S. Co. 65 North 23d St.



The New Velice Is Here!

THE NEW VELIE which has had all motordom on its tip-I toes is here - on our salesroom floor. It is all that was

You must SEE THE CAR to appreciate the striking beauty of its new Straight Line, High Cowl Body Design—Distinctive Radiator and Hood-Bevel-Border Fenders-Octagonal Lamps. And you must TRY THE CAR to know what the sensational new motor does. THIS IS THE FIRST SHOWING of the greatest automotive engineering feat of a decade. Burns low grade fuel. Has more responsive power-more speed-no vibration no noise. Costs less to run.

Come and see the car-the first authoritative example of today's beauty-and style. Ride in it. Judge for yourself how far in advance of the ordinary the new Velie is!

D. C. WARREN MOTOR CAR CO.

Distributers. 58-60 N. 23D ST., NEAR WASHINGTON.

The Mark of the New Velie Six – Watch For I

fiber washer to take up the slack is the correct remedy. Explosions in the muffler are caused by the presence of a fuel charge not ignited during the previous strike of the engine. If these exstrike of the engine. If these ex-plosions are frequent there is a basic cause, which will be either too rich a mixture or some trouble in the elec-trical system. Muffler explosions therefore must be taken as a symptom of some deeper trouble which should be immediately eliminated.



RADIATORS -at 35 to 65% off!

\$1565

Portland

G.Gerber "Golden Rule Service"

Owners of Commerce

Know of Our Service YOU---

Mister Prospective Buyer Should Investigate

1-11/2-ton chassis.....\$1685.00 1-11/2-ton, 35x5 cord tires......\$1810.00 11/2-2-ton, 36x6 cord tires.....\$2095.00 All F. O. B. Portland

Impulse Starter, Electric Lights, Bumper, Windshield, Spotlight, Motor-driven Tire Pump.

McCraken Motor Co.

State Distributors

490 Burnside St.

Bdwy. 93



Lang & Co. have ordered another G. M. C. 2-ton truck, making 5 G. M. C. trucks in their service.

Experience with many makes have shown them the most economical and satisfactory trucks to use

Wentworth & Irwin

200 Second St., Cor. Taylor.

Rainier, Or., E. U. Cate & Co.

Salem, Or., Lyon & Wooley

Marshfield, Or., Coos Bay Motor Co.

Heppner, Or., People's Hardware Co.

Arlington, Or., Bulsinger's Garage.

Chehalis, Wash., A. & S. Truck Sales Co.