PRODUCTION ON INCREASE stay in the city.—December Motor Magazine.

Deposits Are Widely Distributed and New Discoveries Promise to Keep Industry Even.

WASHINGTON, Dec. 18.—Pessimistic predictions about an impending petro-leum famine at some time in the more or less vague future are not taken seriously by practical oil pro-ducers. This was evidenced in ad-dresses at the recent annual meeting of the American Petroleum institute held at Washington. Their views were at direct variance with those of George Otis Smith, director of the United States geological survey, and the experts of the bureau of mines, who have prepared impressive statis tics showing that at the present rate of consumption the oil stocks of the world are likely to reach the vanish ing point while the present generation still is slooking for gasoline to run motorcars.

The men who have been in the oil injustry for years simply refuse to get excited about the possibility of exhausted supplies. They have heard the same cry before. Their contention is that if prices are high enough, as they are now, they will spur production and that there always will be plenty of oil, even disregarding the enormous potential stocks in the huge shale de-

Harry L. Doherty, one of the largest of the independents and who has been through many a hard-fought battle in through many a hard-fought battle in the oil business, is far from being a crepe hanger. This, in substance, is what he told the automotive industry: "There will be plenty of gasoline for those of the present generation who are driving motorcars, for their children and their children's chil-

Thomas A. O'Donnell, president of the petroleum institute and chairman of the board of the California Petrom corporation, had this to say o the subject of future supplies:

Petroleum Widely Distributed. "The public has been frequently alarmed by statements by well-meaning and learned scientists predicting an early exhaustion of our petroleum resources, in some instances giving more or less definite figures as to the supply still obtainable and setting a time for exhaustion within the lifetime of men now engaged in the business. Petroleum is widely distributed throughout the world and I believe in sufficient quantities to meet the requirements, present and future. If the economic law of supply and demand is given free opportunity to as-sert itself and artificial political and governmental restrictions are removed, allowing everybody from everywhere to participate in the pros-

Domestic Consumption Increases.

The refineries reported 288,195,394 gallons of gasoline on hand September 30 as against 269,772,723 in 1918 and 371,125,419 in September, 1919. and 371,125,419 in September, 1919. During the first nine months ended over the corresponding period last year when domestic consumption aggregated 2.574.541,261. These figures reflect, of course, the increased use of internal combustion engines. Exports showed a high percentage of increase as 465.439.992 gallons were shipped abroad since. showed a high percentage of increase as 485,439,992 gallons were shipped abroad since January as compared with 265,186,964 gallons for the nine months in 1919. The foreign trade for this year exceeded 1918, regarded as the banner year because of the use of automotive equipment incident to warfare. Shipments to insular possessions for the first nine months this year amounted to 16,312,386 gallons and 12,889,659 gallons of gasoline in the same period last year.

Consumption of lubricating oils since January amounted to 477,340.

Consumption of lubricating oils since January amounted to 477,340,555 gallons as against 389,636,571 gallons last year. The taial stocks of lubricating oil on hand September 30 was 130,449,829 gallons. This figure represents a sharp reduction in reserves for in September, 1919, there were 155,957,970 gallons of lubricating oil in stocks. The fact that there has been but little increase in the dally average production for three years easily accounts for this slump.

WELCOME EXTENDS

inneapolis Committee Working to

PETROLEUM SUPPLY

IS HELD PLENTIFUL

SHELD PLENTIFUL

Oil Operators Say Output Is Not Decreasing.

Not Decreasing.

Mot Decreasing and License plate.

Mot Decreasing.

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Mot Decreasing and Licens

Joining Chain Ends.

a driving chain is to jack up the rear

wheel and then engage the links of

one end of the chain with the teeth

of the countershatt aprocket. If the

The easiest way to join the ends of Machine Simply Converted Horse Drawn Carriage, With Mechanism Comparatively Simple.

About 28 Years Ago.

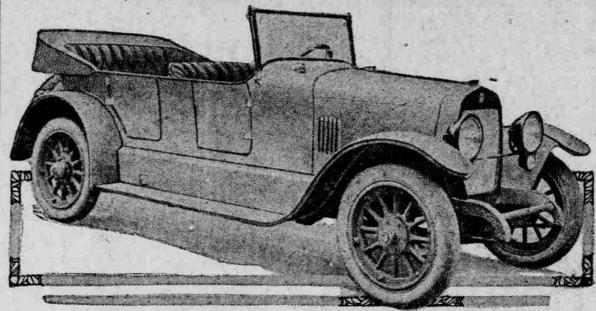
Attached to the center of the under face of the flywheel is a bevel gear which engages two gears on a horizontal shaft. Through small friction clutches this horizontal motion is transferred through rawhide gears to a jack shaft, at the ends of which are small sprocket wheels, which are connected by bicycle chains to large sprocket wheels secured to the inside of the spokes of the rear wheels of the carriage.

In addition, on this jack shaft there is a small differential enclosed in a housing hims almost a min-Gasoline Automobile Built | con

RELIC INTERESTING ONE
There are two clutches attached to the main driving shaft, one for forward motion, and one for reverse. They are controlled by an up and down motion of the steering tiller. down motion of the steering tiller, through wires over pulleys control-ling a sliding cam, which engages and disengages the clutches.

One Feature Preserved. The steering mechanism is of the tiller type, the left and right motion being transferred through a radius rod to "C"-type steering knuckles. The pivot line of these knuckles in of the countershart sprocket. If the rear wheel is then turned until it is possible to engage the first link of the other end of the chain with that tooth of the sprocket which brings the links to be joined together and the links to be joined together and if the wheel is then turned back far enough so that both ends of the chain are held on the sprockets, it will be structed by Charles E. Duryea, be supported on a chassis, the rear end

NEW QUALITY FOUR WHICH WILL BE ON DISPLAY AT AUTO SHOW.



DUPONT CAR, ONE OF WHICH WILL BE RECEIVED BY WELLER MOTOR COMPANY, LOCAL DISTRIBU-TORS, WITHIN A COUPLE OF WEEKS,

Weller Motor Company, Portland Dealers. Get Assurance From Factory.

everywhere to participate in the prospecting and production necessary, there will be plenty of oil to meet the requirements in all parts of the world for many generations to come."

These views were shared by R. D. Benson, president of the Tidewater Oil company, and others who addressed the convention.

Director Smith took a more pessimistic view of the situation. He declared that economy in use and production was absolutely essential and duction was absolutely essential and that oil supplies should be conserved.

The DuPont four, a quality car put out by the DuPont interests at a factory at Wilmington, Del., will make tory at Wilmington, Del., will make the jet its initial bow in Portland at the time of the 12th annual auto show at the auditorium, beginning January 19. The motive power of the vehicle is a single cylinder, four cycle, water care with the portland territory.

Although the Weller company has for some time been designated distortion out by the DuPont interests at a factory at Wilmington, Del., will make they adding to it the engine, propelling and control mechanism.

Mechanism is Simple.

The motive power of the vehicle is a single cylinder, four cycle, water chosen being the lady's low phaeton.

Every part of the carriages, the particular style chosen being the lady's low phaeton.

Every part of the carriages, the particular style chosen being the lady's low phaeton.

Every part of the carriage was used. Simply adding to it the engine, propelling and control mechanism.

Mechanism is Simple.

The mounty part of the carriages, the particular style chosen being the lady's low phaeton.

Every part of the carriages.

door policy in all parts of the world in the exploration of oil fields so that American citizens would have equal rights with those of other nations in their development. Parceling out of oil fields among Great Britain. France and Italy was condemned in unmeasured terms and it was contended that if this policy was persisted in the United States should retaliate by conserving all its oil resources for the use of its own citizens. It was noticeable that this suggestion evoked prolonged applause.

Comparative analysis of production and consumption of gasoline for the first nine months of 1918, 1919 and 1920 as compiled by the bureau of mines shows evidence of improvement in the gasoline situation. Despite the heavy increases in domestic consumption and the export trade, the stocks on hand September 30, 1920, were considerable larger than in the corresponding period in 1919, but less than last year. The refiners produced a daily average of 15,129,370 gallons of gasoline during September this year as against 11,319,419 gallons during the same period in 1919.

Domestic Consumption Increases.

The voluction of oil fields among fite would be here in time.

The new DuPont will be, so far as is known at the present time, the only make of car to be shown at the auto is known at the present time, the only make of car to be shown at the auto is known at the present time, the only make of car to be shown at the auto to be shown at the outo to be of course many of the other dealers of course many of the other dealers of will have the newest models of their testing the newest models of their testing the automobile and this city. Of course many of the other dealers of course many of the other dealers of course many of the other dealers of course will have the newest models of their testing the present time, the only make of car to be shown at the outo to be shown at the outo to be shown at the auto to be shown at the outo to be shown at the outo to be shown

tory. The car in general body lines is said to lean towards European de-sign, being low slung and "lean" in

that will delight your youngsters more. A bicycle is the happy realization of childhood's



tween September, 1892, and September, 1892 of which is held by two rods attached to the extremities of the rear axie, forming a sort of pivot and resulting really in a three-point suspension.

DU PONT HERE FOR SHOW

DUPPONT HERE FOR SHOW

NEW QUALITY FOUR TO REACH

HERE IN TIME.

The acquisition of this most interesting object was made possible through the generosity of Inglis M Uppercu, president of the Detroit Cadillac Motor Car company of New York city. Although the machine on exhibition is not the first car made by Duryea (the first being designed and built between August, 1891, and September, 1892, and successfully operated), it is a duplicate except in having a more powerful motor and correspondingly heavier and stronger parts.

Just as in the very beginning of railroad transportation, the passenger coaches used were simply stage coaches mounted on wheeled trucks, so Duryea's first find second automobiles were simply converted horse-drawn carriages, the particular style chosen being the lady's low phaeton. Every part of the carriage was used, simply adding to it the engine, propelling and control mechanism.

car throughout the Portiand territory.

Although the Weller company has absolutely essential and that oil supplies should be conserved for some time been designated distributor, it has been unable to secure any of the new cars heretofore and soil that motor trucks and tractors should be given first place in line at the filling stations, to the exclusion of "pleasure" automobiles. If sion of "pleasure" automobiles in large essary. He declared the situation might become so serious that government action would be necessary to save crude petroleum for the production of jubricants instead of gasoline.

Open Door Is Wanted.

It was evident from the addresses of most of the speakers that the incoming administration at Washington would be asked to insist upon an open door policy in all parts of the world in the exploration of oil fields a that American citizens would have the state of the exploration of oil fields at that American citizens would have the state of the property will be so far as that American citizens would have the state of the property and of the company in a flying the distributor there and intercepted to the speakers that the incoming administration at Washington would be asked to insist upon an open door policy in all parts of the world in the exploration of oil fields at that American citizens would have the state of the property of the speakers that the ime.

The engine is fired by a make-and the center of the vehicle below the seat the center of the vehicle below the seat. The engine is fired by a make-and the center of the vehicle below the seat. The engine is fired by a make-and the center of the piston head striking a can tent in time the center of the piston head striking a private and flywheel are located at the carriage. The crank shaft and flywheel are located at the carriage. The crank shaft and flywheel are located at the carriage. The crank the rear of the carriage. The crank the

so-called carbureter, so that if the speed of the engine slowed down, the excess gasoline would flow out into the tank below from which it could be returned to the supply tank by means of a hand pump. The starting crank projected at the rear parallel to the engine cylinder and turned the cambing facilities that mark the remainder of that portion of the park that adjoins the river will be extended to it. Included in the com-

an easy matter, especially if a small center punch is used, to line up the hole and insert the connecting pin or bolt.

The acquisition of this most interpolation of pivot and resulting chief.

AUTO CAMPING GROUNDS ARI

Added to Public Recreation Spot and Beach.

EUGENE, Or., Dec. 18 .- (Special.) The Eugene city park commission lic in the spring. Not only is the

ern Pacific grounds to the road, half way up the hill. The other tract purchased by the commission adjoins the property of

PORTLAND'S GREATEST

TIRE SALE

money, regardless of make or size

STOCK WILL NOT LAST LONG

AT THESE LOW PRICES

SALE PRICE ..

LIST \$38.60, \$1590 SALE PRICE. \$1590

PORTLAND, OREGON

Opposite New Post Office

35x4½ LIST \$55.45, \$2230

Out-of-town orders during this big sale must come with deposit

Eagle Tire Company

122 NORTH BROADWAY

LIST \$19.10,

32x3½ LIST \$28.05, \$1

Grand Avenue at Hawthorne Palace Garage Co. 12th Street at Stark

of the camping grounds next spring than ever. is the building of a roadway extending through the tract parallel with the river and about 50 feet from its banks, providing camping sites on either side.

Christmas

Morning-

AFordSedan

for yourself-a Ford Sedan.

and relaxation to tired eyes.

Francis Motor Car Co.

Chassis\$360.00

Runabout (Regular) \$395.00

Runabout (With Starter) .. \$465.00

Touring (Regular).... \$440.00

The rest cottage or bungalow on the camping grounds has been com-pleted and will be opened to the pub-

dission's plans for the improvement dicted, will make it more popular screw, as large at one end as at the stitution so obviously necessary that

building intended for use of tourists son—simplify the problems of life by milestone. The motorist who means so simple that everyone woniences for them, but there are dressing rooms for bathers. The river at device. For example, a great fortune

The plan provides so simply for to the device.

THE UNIVERSAL CAR

No other gifts in any quantity can bring such happiness to the whole family on

You will drive it all winter everywhere. It broadens your horizon, takes you out of the city, brings all the beauties of Oregon scenery close to your home, eliminates

Christmas day and every day through the coming years as this one gift for all, and

distance from friends, brings the glow of health to pale cheeks and of happiness

the same everywhere, except for freight. And that price is now lower than ever before. It has been cut below actual cost of production. Your usual Christmas gift

money may make the first payment. The balance can be paid in monthly installments.

The Prices Listed Above Are F. O. B. Detroit.

For Sale by the Following Authorized Ford Dealers

Wm. L. Hughson Co.

Broadway at Davis

Rushlight & Penney

East Third at Broadway

"Have Your Ford Sedan Delivered Christmas Morning"

Everyone can afford to own a Ford Sedan. The price is fixed by the factory-

The sound of an automobile horn at the curb in front of

Touring (With Starter) \$510.00

Coupe (With Starter) \$745.00

Sedan (With Starter) \$795.00

Truck (Pneumatic Tires) . . \$545.00

Talbot & Casey, Inc.

East Ankeny at Grand

Robinson-Smith Co.

your home Christmas morning! The whole family rushes

to the window! There stands a shining new Ford Sedan—with all the beauty of an electric and all the power, dependability and economy of the wonderful Ford chassis and

other, for which a hole had to be it would rate with the screw point bored with a bit, wonders why the instituted before it was.

OHIO TO HAVE ROAD PHONES

| Consider the distance of the convenience of travelers. The plan is to put up small booths at each barring the mysterious ones of Edison—simplify the problems of life by stranded always will find himself.

ing rooms for bathers. The river at this point has been a popular bathing place for the people of Eugene for the past several years and the erection of the bungalow, it is pre
deriver at deriver at device. For example, a great fortune and the device for example, a great fortune and the device for example, a great fortune and the form of one of the vexing problems of road travel that it seems it should points upon them. Nowadays anyone have been prepared a dozen years ago, to the construction of roads and their maintenance, was formed in 1892.

Vesta Policies Make Vesta Battery Service

Our ability to install complete equipment, our skill in battery repair work and our willingness to use both our equipment and experience for the best interests of motorists place at your disposal the highest type of battery service. We do everything in our power to help you get maximum service from your present battery - no matter what make it is. All Vesta repairs are guaranteed for six months.

ing any battery, we use the patented features which have made Vesta batteries famous. We do not charge for testing your battery. Drive in and let us look it over. You will like Vesta Service and the plan behind it.

Glbson Electric Garage and Storage Battery Co. Alder at Twelfth





COSTS LESS PER MONTH OF SERVICE

Behind every Vesta Service Station is the policy of the Vesta Accumulator Company; complete equipment, expert service and guaranteed repairs.

We are able to do this because in repair-