INDUSTRY HAS 100 PER CENT **OF CONFIDENCE**

Co-Operation and Enthusiasm Are Urged by Head of **Kissel Motor Car** Company.

By G. A. KISSEL,

President Kissel Motor Car Co. The war is now over and our bat-

tle for right and justice has been won. Our faces are now turned towards a new era of unwonted to war expenditure, but happily we have plenty of money to pay it with Our country is physically uninjured, our factories, buildings, fields and machinery are intact. The Automobile Show this year

finds America with more wealth. mineral and agricultural, than in the whole of Europe, and we will start more prosperously and with much greater possibilities than any other ation on the globe.

With all these facts before us, it puts the question of cheerfulness and satisfaction for the close of 1919 entirely up to ourselves. The average American business man, as well as the financial powers, have every confidence in this country and its recuperative powers, and are more than willing to go ahead and take those average risks needed to proceed without delay. The time has come at last, I wot, to speak of other things. Let's

To Get and Share.

It is up to us of the motor car industry-manufacturing, wholesale or retail, to make our plans now for getting our just share of business just so would our country lose its present world power position if the financial and business interests of our government did not plan ahead and bars, and lost our horses and bars, and lost our horses and bars and proceed with such plans. our mules, and mired

We can all obtain the greatest re-sults by concentrating to a definite purpose or ideal, then with it, the inliest co-operation of all interested Just so did Woodrow, Wilson do when he set out that "Right and interest and ideal inter study of the state of the set We can all obtain the greatest recars. We said, "Until this war shall justice was the purpose and ideal turn to other milder stunts; our which mean Americanism," regard-spirits may be jarred. We've "ailed less of life or financial loss, and con- so long at Kaiser Bill that we may

car chassis namely, the custom-built chassis, with several body styles, making such betterments as has been necessary to have it as nearly 100 per cent perfect as possible. The prices will be moderate, yet always consistent with material and labor conditions—consistent with material and moor conditions—consistent with material and to enable us to maintain that class of mechanical perfection with bodies of personal refinement and Should Buy Gasoline Produced by Refining Com-

bodies of personal refinement and appointment necessary for a class product consistent to enable us to use only the best materials and methods, treating such materials to insure long life—consistent to en-able us to have as near 100 per cent perfection as possible. The all-year car which has made nossible motorcar which has made possible motoring in comfort during all 12 months

in the year, will be continued in two or three models on the same cusom-built chassis. When our government called for

won. Our faces are now turned towards a new era of unwonted promise. We have a large debt, due to any organization and facilities, even to sending to the front 250 When we were asked to promen. duce a large daily output of trucks out the most important factor in the situation-the character and thought it impossible, but with the quality of the gasoline. American spirit of concentration, co-

operation and hard work, we were able in a few months to do what previously seemed impossible. It is with the same spirit of en-

From War to Good Roads utilized, but goes to waste. Instead down under the intense heat and

to places nearer home; we need good roads and need them bad, and hence this stirring pome. For years

By DONALD M'LEOD LAY. Although the war is virtually over and gasless Sundays have con-tributed an interesting chapter to the ancient history of American mo- provided his carburetor is correctly toring patriotic owners will not adjusted, and he knows that he is readily forget the lessons of econ- keeping the proportion of waste to

omy and the efforts to obtain max-imum efficiency accentuated in so Con many ways under war conditions. It may be timely, therefore, to point as a standard, uniform product.

On stopping to think the matter of today varies even more widely over, it is not difficult to realize that in composition and characteristics it makes a very great difference in the amount of fuel consumed by any motor car if the combustion which that motorists frequently are in-

thusiasm and co-operation that we are now proceeding with a definite ideal ahead of us. Time to Change Subject From War to Good Roads

By WALT MASON. We've talked so long of shell and shot, of captains and of kings!

to speak of other things. Let's turn our thoughts from Petrograd

of aiding in operating the car, the imperfectly vaporized, unburned portion simply increases the sever-

our costl

Proper Motor Fuel Gives

pany and Be Sure of Getting Best Grade on

Market.

Efficiency And Economy

Considered Uniform.

over the country, the motor fuel

Many motorists consider gasoline

Dort

centrated on that at all times, as well as co-operated with and had other countries co-operate with us to that end, even for the future by the establishment of the league of

nations. To Concentrate on a Design. It is our purpose to make good automobiles; to supply that trade calling for a better car-a car of in-dividuality of design, detail, finish and appointment. To that end, we will concentrate on one-passenger and start the work today.



THE OMAHA SUNDAY BEE: MARCH 9, 1919.

ther injurious matter. Thus lubrica- wells under pressure. These gases eign compounds; (d) means max tion is impaired to a marked extent and friction, loss of power and wear are greatly increased. Covers Wide Range. Covers Wide Range.

Gasoline is not a homogeneous liquid. It is merely a physical mix-ture of hydrocarbons, frequently they are almost always blended with

covering a wide range of volatility. In other words, various parts of the mixture vaporize at different tem- When motoring first became pop-

peratures under identical conditions. ular a rapidly increasing demand In this respect gasoline corresponds was created for gasoline, which, up to crude oil, from which it is de-rived. Crude oil, also, is not a chemi-small market. Motor vehicles multi-



cal combination but a blend of com- plied so fast that refiners gradually pounds made up of hydrogen and came to a realization that comme carbon cial production of highly volatile

Of course, crude oil differs in gasoline on a scale sufficient to meet roperties and characteristics, as it the demand was not practicable s obtained from wells widely scat- Therefore they set about combin tered throughout the world. It naing, or blending, gasoline varying turally follows that the gasoline progravity and having boiling point duced from each crude retains the peculiar properties of its parent peratures. Gradually Changed.

rude. For this reason, many gasolines, as primarily refined, are not

Naturally, both carburetors and suitable for use as fuel in an interengines have nal combustion engine. In these cases it is necessary to mix in gasocases it is necessary to thick in gas-line produced from other crudes pos-sessing the requisite volatility or sessing the requisite volatility or on modern engine design, and has gasolines are those ob- even figured to a considerable extained by the first step in refining-heating the crude in a large vessel called a crude oil still. First, the heat drives off the dissolved gases, and then the lightest gasoline. These heating and otherwise facilitating prominent features of automotive as they vaporize under the increasengineering during the last few ing heat. Pipes carry the gasoline into condensers which are kept cool by water, where they resume

years. Frequently motorists have blamed the gasoline when the whole trouble was due to the absence of the nec-

Cracked Gasoline. Cracked Gasoline. Cracked gasolines are rapidly fuel before it was fed to their enmore common use, gines.

These are produced in a number of different ways, some of the widely used methods being the Rittman. Burton and Hall processes. The methods of "cracking" gasoline are oline. The manufacturers aim to more or less complicated and may produce a fuel that (a) has suffi-be summed up as based on the prin-cient volatility for starting the en-

ciples of pressure, decomposition by ciples of pressure, decomposition by feat and distillation. Casing-head gasolines are obtained by condensing gases from crude oil (c) does not contain injurious for-

num output from the crude. These makes of gasoline are substantially uniform in character and

properties, subject, of course, to dif-ferences arising from varying refin-ing processes used in their produc-Then, too, it is possible to use tion. heavier grades for use as motor much heavier gasoline in a motor car engine in the warm summer about two-thirds of the petroleum or weather than in the late fall and the world and produced more gasowinter months. Refiners, as a rule

take advantage of this by regulating the character of their products vestigations are being carried on by accordingly.

Should Start Easily. For successful use as fuel for an ploiting the use of mixtures of alnternal combustion engine it is es | cohol and gasoline in motor vehisential that gasoline should contain enough of the more volatile grades to start the engine easily at normal emperature. After the engine is running the heat of operation renders carburetion and combustion of the fuel much less difficult. The heavier components of such gasoline, however, should not have excessively high evaporation points. If this con-dition obtains, these heavier "ends" as the oil men call them, are vaporized in the combustion chamber, resulting in impaired operation of the engine. When gasoline that is only partially vaporized is ignited in the ngine it is never entirely burned.

It is important for the motorist to know whether the gasoline he uses is entirely vaporized and burn-uses is entirely vaporized and burn-

ed in his engine or is only partially burned. When the latter is the case the heavier constituents are us-

motor fuel

hibited

Industrial Alcohol

May Become New Fuel

for Use in Motor Cars

Although this country produces

bout two-thirds of the petroleum of

line last year than ever before, in-

the National Automobile Chamber

of Commerce with a view to ex-

cles. The production of industrial

alcohol on a large scale would help

materially to increase the supply of

Nearly all the automobiles in Nor-

way and Sweden are operating on alcohol made from waste sulphite

iquor from paper pulp mills. Alco-

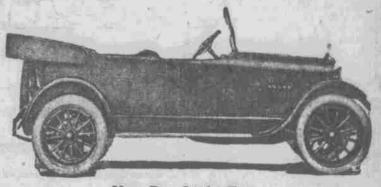
ol is also used in automobiles in

Spain, where the sale of gasoline for use in passenger cars has been pro-

Alcohol can be produced at the

paper pulp mills in this country at a cost of 15 to 20 cents a gallon at the

present time, and if all the paper mills suitable for the purpose were



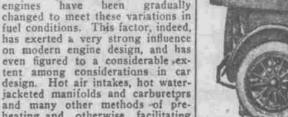
New Reo Light Four

ually forced down past the pistons, cutting the lubricating oil off the cylinder walls on the way. The in-jurious effect of gasoline in the crank case oil has already been pointed out. Incidentally, when these heavier parts of the motor these heavier parts of the motor

fuel are forced past the pistons they They should welcome an opportunileave behind a generous portion ty to continue operation, utilizing of their large carbon content in the such products. form of deposit on the cylinder

Alcohol can be blended with gaso line to produce a suitable fuel that will avoid the difficulties of starting

walls and pistons.



are followed by heavier gasolines

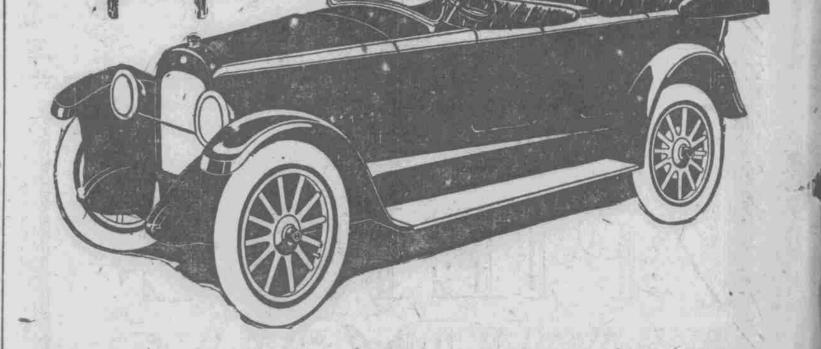
iquid form

ET Sarah Bernhardt enter a L room and instantly her personality will dominate the gathering. The same holds true of the ROAMER, no matter in what company it is driven or parked. If you tool a ROAMER through traffic or journey with it about the boulevards or highroads, you will be conscious of an unflaggingly flattering homage of glances --- and the one thought uppermost in the minds of everyone you pass will be: "I wonder what car that is?"

You can ransack the country and not find another American-made car like the ROAMER. If you wanted to rival its utter distinction you would have to go abroad to find it in the Roll. Royce, the Fiat, the Isotta Fraschini, the Lancia and the DeDion Bouton.

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