DEMAND INCREASES FOR AUTO VEHICLES

Production Shows General Revival of Industry.

MAY SHIPMENTS LARGE

Output for Both Motorcars and Trucks in All Parts in May Shows 50 Per Cent Gain.

NEW YORK, June 17.—Nothing more clearly indicates the increasing demand for the transportation of persons and merchandise than the record production of motor cars and trucks as reported to the annual meeting of the national automobile chamber of commerce in seasion here this week.

The May shipments, with a few companies still to be heard from, were in excess of 252,000 passenger cars and trucks, an increase of 52 per cent over May of last year and 15 per cent over May of last year and 15 per cent over April of this year. The heaviest previous production in the industry was 220,000 in the month of March, 1920.

General Demand Increased.

General Demand Increased. Reports received at the meeting, attended by more than 100 motor vehicle manufacturers and presided over by Charles Clifton, president, showed an increasing demand for motors in practically every part of the country except Maine and Georgia Many of the agricultural states are showing substantial in-oreases over last year with excel-lent prospects in June for cars and

It was shown that the April exports of passenger cars gained more than 49 per cent over March, while the exports of trucks in-creased 44 per cent. These products

creased if per cent. These products went to 114 different countries.

The meeting discussed a broadening of its campaigns for the prevention of accident, more standardization in motor cars that will make for lower production costs, continued research in motor fuel matters, standardized and better serves for users a demand for stronger ice for users, a demand for stronger enforcement of motor vehicle laws in preference to putting more laws on the books and plans for assuring efficient expenditure of highway

"Reduced costs to the public in line with the fall of raw material costs account for the revival of the automobile industry above the nor-mar business curve," said President Clifton in sounding the keynote of the meeting.

The record output of 252,000 cars and trucks in May, which exceeds by 32,000 the previous high record of March, 1520, is evidence of the insistent public demand for effi-cient transportation. Never before have the models been so attractive, and never before have the prices been so attractive, thus permitting the public to get its full value immediately for the deflated dollar.
"This revival of a \$2,000,000,000

industry will strengthen general business conditions due to the de-mand which it makes upon copper.

has to pay out only 40 per cent of its income for food supply whereas the European pays 60 per cent.

Assuming a readjustment of eco-

nomic conditions in Russia, that sistance."

"Yes," Smith interrupted, "but I country should be an outstanding automobile market, the speaker in-dicated. "If in America the othererwise necessary expansion of ratiplaced by the development of motor transport, and if in the test of competition, motor transport justifles itself against the steam rail-

President Clifton Re-elected. Charles Clifton (Pierce Arrow) to stop simply stepped on the gas was re-elected to the presidency of the national automobile chamber "Well." Smith commented after a the national automobile chamber "Well." Smith commented after a of commerce, the members insisting pause. "I'm just as well pleased be pause, "I'm just as well pleased because I was literally forced to get out of my own predicament. When that clutch stuck I was certainly in a bad way. But I know what (Lexington). J. Walter Drake (Hupp), H. H. Rice (Cadiliac), John N. Willys (Willys-Overland). The following were elected officers for the year: Charles Clifton. president; Roy D. Chapin, vice-president, to a white. Second vice-president, motor truck division; A. J. Brosseau, sective.

BLANKINSHIP HUDSON PILOT of adjustment he had finally re-

Stock Car Which Won Salem Race Driven by Local Man.

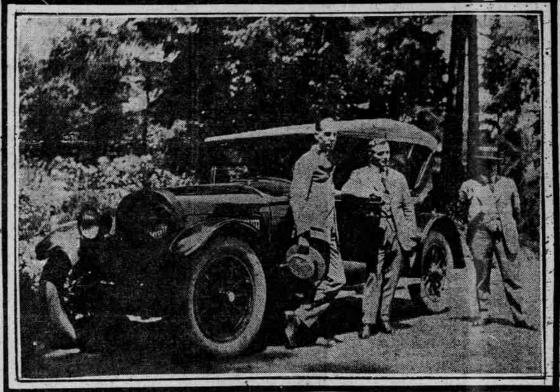
The Hudson touring car which took first place in the stock car race at Salem on June 3 was entered by Blankinship & Lovering, auto repair men and builders of sport and racing cars, 490 Burnside street, it is announced in correction of an item ap-pearing last week, which tated that the car was entered by another firm. The car was driven by J. L. Blankin-ship, a member of the firm and an experienced race driver.

Although Blankinship had no in-tention of entering his car in a race when he drove to Salem, he was prompted to enter on the spur of the moment and the car captured first place in a field of four. Blankinship captured other honors

at the race also, as the Fronty-Ford which took first in the professional event was originally built and driven by him. The firm recently completed fixing up a Hudson motor for a racing boat and the boat, the T. N. T., made an excellent account of itself in the recent boat races here until forced out by breaking the propeller against a sunken log. It was en-tered and driven in the races by Frank Linneman.

Manufacturers' Warranty Favored AKRON, Ohio, June 17 .- Replies

WRESTLING CHAMPION MAKES USE OF CADILLAC CAR WHILE IN PORTLAND.



Johnny Meyers, middleweight champion of the world (center), who wrestled in Portland recently, and Cadillac car placed at his disposal while here by the Covey Motor Car company, local Cadillac distributors. At the left in the photo is Jack Routledge of Portland, while at the right is Ed White, Meyers' manager and prominent sportsman, author of White's wrestling rules. Both Meyers and White are from Chicago.

ing of the clutch with Neat's foot

and June to Be Bigger.

Paris Has Auto Show.



In packing his kit Smith thought he had left troubles behind, but the first trip proved otherwise. Caught on the road "10 miles from the nearest garage" and two miles the nearest garage" and two miles the nearest garage" and two miles the nearest garage and two miles the nearest garage and two miles the nearest garage. the nearest garage" and two miles from the nearest farmhouse there was nothing to do but, to look for disc clutch is slipping; that of the the seat of trouble himself. A de-scription of the incident can best be gathered from his version of it as he gave it to me in our conversa-

tion upon his return home.

"It wasn't up in the air this time." Smith was saying, "because I followed your suggestion to keep eliminating the possible causes of the trouble until I found the view. the trouble until I found the nig-ger in the woodpile."
"And you found it." I asked.

"That was the real trouble." he tor, but as the engine is warm it etorted. "I didn't know how to emedy it. So there I was, beholdeng the trouble without the slight-olutch will come out when you press even slowed down. Fact is, I think ready to admit that he could have they went faster."

"I imagine they did, Smith. Moeffort by using his head. It al-

if the rank and file of them are less friendly. Conditions have changed so radically that motorists naturally have to fit into the new scheme of things. A friend of mine who drove cars as far back as 1901 thought nothing of leaving his machine standing on the street in front of his office.

Ways pays.

Next Sunday — Profiting by lighter oils in cold weather, so it can be used in the Clermont steam car only in the summer time. Kerosene, however, can be used either winter or summer. standing on the street in front of his office while he took the train for another city for a few days. Now even though many cars are equipped with two locking devices dicted the prompt revival of business with a consequent increased need for motor transportation. He noted, as one reason why American invest so heavily in motor vehicles, that the American family vehicles, that the American family to chaunchtown has Production for June will aggrebe intruding if they stopped. I have often had people stop to ask if I gate 1520 cars, or at a rate in excess of 18,000 cars annually. Over 700 new employes have been taken on since April 1.

Rubber Long in Use.

Rubber has been known in civil-

made it plain enough that I needed

plied. "There's just another point. The automobile was once a quvelty, used by a few pioneers for a mere handful of purposes, mostly for amusement. Now that conditions road in new areas—then Russia, with its 200 million of people and its vast distances and its scanty railroad lines, offers, a groat field for motor development."

have approached the point where it is the exception not to motor the automobile has proved itself useful in lundreds of ways. Many of these uses for recent holding those four have approached the point where it Because of recent holdups those four drivers who saw you urging them

truck division; A. J. Brosseau, sec-retary; H. H. Rice, treasurer, and Alfred Reeves, general manager. also admitted that though he strained the clutch mechanism out leased it by hammering on it through one of the openings in the

LOCAL MAN TO HANDLE PRUFO PRODUCTS.



resent well-known in Oregon.

Announcement of Robert B. Willfrom a questionnaire sent its deal-ers by the Miller Rubber company shows an overwhelming sentiment in favor of the manufacturer's standard warranty. Both dealers and consumers say that the industry has taken a decided step forward in removing the menace of unjusti-fied replacements. Service has re-placed the mileage guarantee in the warranty.

Announcement of Robert B. Will-iams as representative for Prufo made last week by the Hall Prod-ucts company. Williams was for-merly with the R. M. Hollingshead company, selling Whiz products. Mr. Williams in the past has been known to his friends by the nickname of "Whiz Williams," but henceforth he will be "Prufo Bert." it is declared.

WITH FUEL ECONOMIES.

Distillate for Summer Driving and Kerosene for Winter Operate Steam Engine.

NEW YORK, June 17 .- An autoburning type of locomotive is attracting the attention of motorists in New York.

It is called the Clermont steamer

Engineers are interested in this new type of steam car, which has practically the same lines as the est idea of how to get rid of it.
And by the way, motorists aren't very friendly any more, are they? I waved my hands at the only four cars that passed and none of them even slowed down. Fact is, I think ready to admit that he could have

Distillate, the fuel used for the

SYRACUSE, N. Y., June 17.—Offi-cials of the Franklin Automobile though the roads are not of the best mand which it makes upon copper, steel, aluminum, leather, lumber and other basic materials."

Business Revival Forecast.

Julius H. Barnes, president of the chamber of commerce of the United States, addressing the meeting, president of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of business with a consequent increased by the steel of the prompt revival of the prompt revival of the best company report orders for June to total shipments for May. May broke all five and six hours to about two and previous records in the matter of the best company report orders for June total in number to total shipments for May. May broke all five and six hours to about two and previous records in the matter of the best company report orders for June steel in number to total shipments for May. May broke all five and six hours to about two and traveling from the steel of the prompt construction, they will segment total the prompt constructi

Rubber has been known in civil-The opening day of the Paris automobile show, which is to be American natives playing games with balls which rebounded amaxheld in the Grande Palais, is listed for October 4. eet in width are under construction were carried back to Europe as mar-n China.

mobile that uses for fuel in the sum-mer the oil which propels the big ocean-going steamships and the oil-

being named after the boat which, under the direction of Robert Fuiton, made history on the Hudson more than a century ago, and which was the forerunner of the steamship of today. on the ignition and press your foot on the starter button. There will be a slight strain on the starter mo-

lieve the driver of all thought and

Considerable progress was made

ized countries for several centuries. Spanish and Portuguese adventuringly. So strange and mysterious was the substance of which these balls were made that many of them

CROSS-COUNTRY TRIP BOOSTS AUTOMOBILE INDUSTRY.

Motorcars Are Halted During Run to San Francisco.

DETROIT, June 17 .- The first official transcontinental radio tour over the Lincoln highway left Detroit this week. As Detroit is the world's greatest radio center, as well as the world's largest motorcar center, it is perfectly fitting that the world's initial transcontinental radio tour should leave from the Michigan metropolis. This trip will mark a new era in the possibilities and pleasures of the already famous radio. The atinerary of the journey from Detroit to San Francisco includes stops in all of the important cities along the road, where radio concerts will be given right from the motor cars.

This tour is being sponsored by the Detroit Automobile club. Detroit board of commerce, and by the Linover the Lincoln highway left De-

board of commerce, and by the Lin-coln Highway association, and is charge of Wallace B. Blood and W. Hines.

O. W. Hines.

The widespread interest that the modern radio has aroused has been little short of phenomenal. It was hardly thought possible, however, to properly connect up the modern radio with a car in fast motion and the state of the proper adjustment so keep it in proper adjustment so that when it is out on the Pacific coast, for example, it can with ease "pick up" any of the various wave lengths of the eastern cities. This is something that is even making science gasp a little bit, for they are all familiar with the "vibration periods" of the automobile and it is these "vibration periods" that would put any radio set completely

out of business.

In an interview with Mr. Blood, regarding the feasibility of such a trip in connection with the modern radio, he stated that their most difficult task was in finding a car that would not continually throw their receiving act out of husiness. their receiving set out of business and make it impossible to "pick up" and "hold" the various wave lengths

"We looked over all the automo-biles on the market," continued Mr Blood, "and could not find any that would not at some period develop a very bad stretch of vibration, which no instrument as sensitive as our radio could possibly stand. But, when we came to the Rickenbacker six, the car that is known as having a wibrationless motor, we found a rabicle fitted for the transportation. vehicle fitted for the transportation promotion and introduction of our great new idea. We purchased a Rickenbacker sedan and touring car

tickenbacker seeds and touring car
to make the transcontinental trip.
"We shall camp by the roadside
every night," continued Mr. Blood,
"throw out our ground wire, as a
fisherman throws out his line, and
have music with our meals.
An attached amplifying instrument and horn make the head piec receivers unnecessary. The equip ment is powerful enough to give music at a carrying distance on al sides of the car equal to that of a

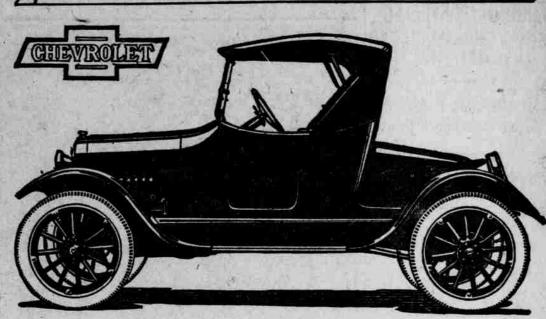
sides of the car equal to that of a calliope. The concerts received and amplified inside of a moving automobile are clearly audible for a distance of over a block even in the downtown sections of large metropolitan centers.

This latest tie-up of the automobile and the radio receiving apparatus is another great progressive step forward and it undoubtedly points the way to the fact that it is only a matter of a relatively short

is only a matter of a relatively short time before many cars will be run-ning around the country with their

URGE CRANKCASE CLEANING

It is safe to say that few things are more important for the efficiency and life of the motor than maintaining clean oil in the crankcase, says a bulletin issued by the Standard Oil company. Inevitably graphers in the company containing. crank-case oil becomes contaminat-ed in various ways—engine opera-tion causes steady accumulation of road dust, carbon, fine metal particles and other impurities. A point is eventually reached at which the lubricating efficiency of this contaminated oil is seriously impaired.
Before this happens, it is highly im-



The Lowest Priced FULLY EQUIPPED Roadster \$525 f.o.b. Flint, Mich

The Chevrolet Roadster is a car that can be used purely for business, purely for personal service, or in an ideal combination of both.

It is intensely practical as a business car. For salesmen it will serve splendidly to multiply earning power, making possible the covering of a much larger territory and more calls in a given time.

It has the fine appearance that carries prestige, which is another point in its favor as a business car. And then it is the cheapest in price of any car in America, quality and equipment considered.

And because it is the car of lowest operating cost, it becomes the cheapest in cost per year of service of any car in the world.

Fields Motor Car Co., 14th and Alder Sts. L. Y. Billingsley Motor Co. Arthur Bryan Motor Co. East Broadway at Wheeler East Eighth and Hawthorne Ave. Gresham, Or.

portant that the used lubricant be formed at intervals of from 250 to veloped, which are excellent for the purpose and do not impair the value cleaned out and replaced with fresh 500 miles. oil. Otherwise, serious damage may

Merely draining out the old lubri- of the fresh oil. cant and refilling is not enough.

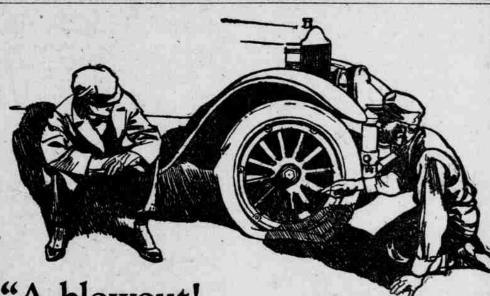
Automobile manufacturers recommend that the crank-case be given a
thorough cleaning at frequent intervals—at least once every 750
miles is the usual recommendation.
Truck manufacturers recommend
that this operation should be per-

tographs of rubber rified 200 times

The white areas are

mixed substances. Every "lump" is a weak spot that

reduces mileage



"A blowout! I'll tell you what caused it"

JUST one weak spot, and a whole new tire gone! That's what a lot of motorists complain of. The tread barely worn off-yet a blow-out ruins the entire shoe!

"What's the cause, you ask? What is it that makes an apparently sound tire wear thin at one point in this way?

"You could actually see the answer to this question if you had samples of tire rubber under a microscope. In ordinary rubber compounds, the rubber does not mix smoothly and evenly with the necessary strengthening materials. 'Lumpa' are formed—every 'hump' a weak spot that helps bring a blow-out like this some day."

Discovery of new rubber compound

At last a rubber has been produced that reduces these "lumpy" formations to a minimum—that eliminates premature tire troubles.

Two research chemists and two practical tire-builders in the Thermoid Rubber Company spent months in laboratory work and road tests. They finally discovered Crolide—an even-texture rubber that does not weaken with the stretching and straining that goes on inside a tire in use. Crolide Compound is today used exclusively in the manufacture of Thermoid Tires, Cord and Fabric.

We have compared the Thermoid Tire carefully, point by point, with other tires on the market today, and we confidently believe that no other tire compares with it for service and durability.

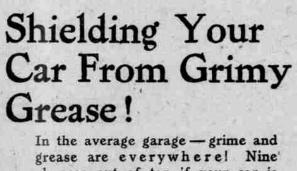
You are invited to call and see these new tires for your-elf—also the famous Crolide Compound Tubes.

—has no large "lumps."
Notice how finely divided
the particles are. This
even texture is what makes
Thermoid Tires wear so ALLEN & HEBARD COMPANY, Distributors-64-66 Broadway, Portland

Crolide Compound Ruide



Washington at Nineteenth Distributors



chances out of ten if your car is being worked on-grease and stains are left on the running boards, floor carpets, seats and even on the steering wheel.

You'll not find anything like that Every precaution is taken to guard

your car against dirt and grease. The floors are spotless-galvanized pans are used on the running boards and under the cars to hold partsand to prevent the grease from dripping on the floor. White, soft covers are draped over your car-in and out-to prevent scratching and to shield it from grime and dirt.

Furthermore, your car is washed and polished before it is returned to you-at no extra cost-it's all a part of our service. Last but not least-our mechanics are "picked" men from all over the country. Our incomparable service costs you no more than any other kind-when may we



MARMON for STEPHENS

