

THIS CHALMERS HAD SOME LOAD

Ten Folks Ride in Car and Trailer Tows Behind.

TOUR 6000 MILES LONG

Despite Heavy Load Old 1915 Car Reaches Portland With Only One Repair En Route.

How would you like to take a chance on driving across the continent in a loaded-down car with ten persons aboard...

The Chalmer's was a seven-passenger car, but even a seven-passenger car is slightly crowded when it has ten persons aboard...

"When you take a 1915 model which has been run constantly since it was first sold, and run it across the continent after four years of use, you have undertaken some stunt."

ELGIN MAKES FAST RUN

CHICAGO TO INDIANAPOLIS IN 4 HOURS & 6 MINUTES.

Average for Whole 193 Miles 47.7 Miles Per Hour, Which Is Going.

A remarkable showing for sustained speed was made Wednesday, August 27, by an Elgin motor car...

Lieut. J. G. Jamison, recently of the American aviation service, piloted the car—a standard four-passenger sport model...

The gasoline economy, in view of the high speed maintained throughout, was remarkable, averaging 17 1/2 miles to the gallon of gas.

WHY YOU PUSH OUT CLUTCH

Purpose When Starting Is to Take Load Off the Engine.

A good many people ask this question: "What's the use of pushing out the clutch when you start your motor..."

Keep Weight Down. "Every time a pound of weight is taken off a truck chassis," says H. R. Bennett, vice-president of the Commercial Motor Car company...

IN CONSTANT SERVICE FOR SEVEN YEARS, THIS 1912 VELLIE IS STILL HUSKY ENOUGH TO HAUL 1000 POUNDS OF MOSS TO MARKET.



The car belongs to H. W. Knuss, of Lents, Or., who is so proud of its performance that he urged the camera man to be sure to mention its record.

THIS RACE WAS THRILLER

TWO CHEVROLETS ENGAGE IN NECK-AND-NECK CONTEST.

Louis Out of It When Car Gets on Fire at Sheephead, and His Brother Wins.

After a thrilling duel between the two Chevrolet brothers, which terminated on the 119th mile with Louis Chevrolet's car going up in flames...

TRAFFIC TRUCK STURDY

4000-POUND SIZE ONLY ONE MANUFACTURED.

August Junge of the New Rex Motor Company Hears of Increase in Factory Production.

With a daily production of 50 trucks a day the Traffic Motor Truck corporation barely keeps up with the demand for its 4000-pound capacity truck...

MONEY ROLLS IN.

OLYMPIA, Wash., Oct. 4.—The new automobile law of Washington, which was passed...

The receipts thus far are 2 1/2 times as large as for any corresponding period, the total collection for January 1 to August 1, 1919, amounting to \$2,665,862.73...

AUTO ENGINES USED ON BOATS

Craft Is Designed for Motive Power Taken From Cars.

Engines removed from small automobiles have frequently been used as boat motors, but now an enterprising boat builder has completed a boat especially designed for that kind of motive power.

Glycerine for Slipping Clutch.

Glycerine of the best quality applied to the leather facing of cone clutches gives the "take hold" which is often lacking.

THIS CHALMERS CROSSED THE CONTINENT WITH TEN PASSENGERS AND A TRAILER IN TOW.



1915 MODEL REACHES HERE AFTER 6000-MILE JOURNEY IN APPLE-PIE ORDER. John McKay, a New York contractor, Mrs. McKay and all the little McKays—eight of 'em, all told—were in Portland a week ago in their 1915 Chalmers six on route to Yakima, Wash., from New York via Los Angeles and San Francisco.

UNIFORM LAWS NEEDED

FREAK REGULATIONS HAMPER TRUCK TRANSPORT.

New York Highway Commissioner Invites War Department Support to New Programme.

Fear that ill-considered motor truck legislation by the different states will interfere with the development of economical highway transportation and of motor truck express service in promoting motor truck lines...

MILL MOVED BY TRUCK

600 TRUCK LOADS IN BARGE TRANSPORT CONTRACT.

Entire Department of New Bedford Cotton Plant Carried to Pawtucket by Motor.

One of the largest motor trucking contracts that has ever been recorded in New England has recently been completed by a Fall River trucking concern, which successfully moved from New Bedford to Pawtucket the entire equipment of the cotton yarn factory...

CARLOADS OF CARS.

At the meeting of the directors of the National Automobile Chamber of Commerce in New York the carload shipments of automobiles for the month of July were 24,827 as compared with 13,741 in July, 1918.

Incomplete reports for August indicate carload shipments of 21,000 as compared with 11,848 in August last year. In addition there was a large number of heavy moving vehicles and shipments by boat.

SHOULD LIMIT MOTOR TRUCKS IN THREE DIRECTIONS—WIDTH, HEIGHT AND MAXIMUM LOAD PER INCH OF BEARING SURFACE.

He also advocates a maximum gross weight of vehicles and load not exceeding 800 pounds per inch of tire, as the crushing strength of concrete pavements averages 3500 pounds per square inch.

AUSTRALIA LIKES SPEED

20,000 AT AUTO RACE MEET HELD IN SYDNEY.

American Cars Take Four Events in Six, With Lexington Winner of the Main Honor.

Automobile racing is the latest Americanized sport to gain popularity in Australia. Twenty thousand persons witnessed a race meet recently at Sydney, Aus., according to newspaper reports from that city.

RADIATOR LEAKS.

Radiator leaks are often very hard to locate, especially when they are little ones. In these circumstances empty the radiator completely and blow smoke into it through a Jeweler's blow-pipe.

WILL MOVED BY TRUCK

600 TRUCK LOADS IN BARGE TRANSPORT CONTRACT.

Entire Department of New Bedford Cotton Plant Carried to Pawtucket by Motor.

One of the largest motor trucking contracts that has ever been recorded in New England has recently been completed by a Fall River trucking concern, which successfully moved from New Bedford to Pawtucket the entire equipment of the cotton yarn factory...

CARLOADS OF CARS.

At the meeting of the directors of the National Automobile Chamber of Commerce in New York the carload shipments of automobiles for the month of July were 24,827 as compared with 13,741 in July, 1918.

Incomplete reports for August indicate carload shipments of 21,000 as compared with 11,848 in August last year. In addition there was a large number of heavy moving vehicles and shipments by boat.

SHOULD LIMIT MOTOR TRUCKS IN THREE DIRECTIONS—WIDTH, HEIGHT AND MAXIMUM LOAD PER INCH OF BEARING SURFACE.

He also advocates a maximum gross weight of vehicles and load not exceeding 800 pounds per inch of tire, as the crushing strength of concrete pavements averages 3500 pounds per square inch.

AUSTRALIA LIKES SPEED

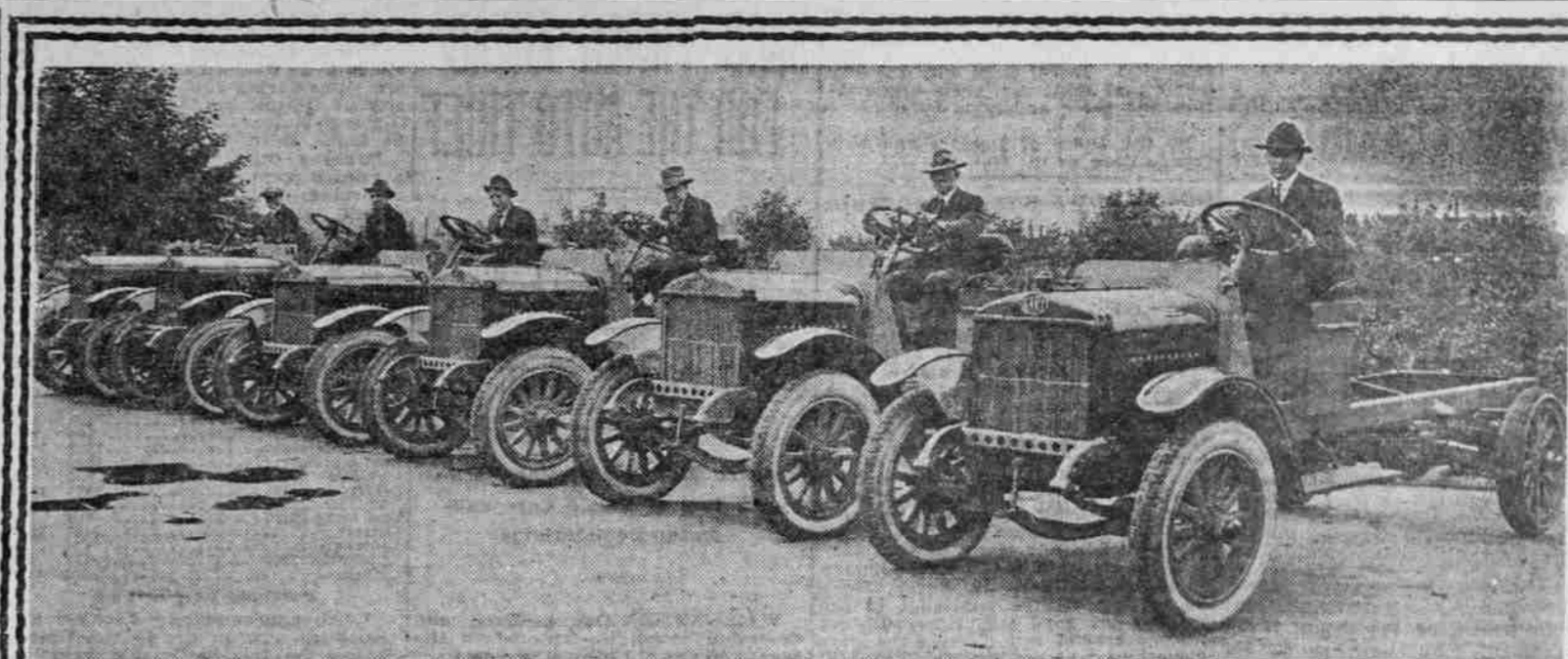
20,000 AT AUTO RACE MEET HELD IN SYDNEY.

American Cars Take Four Events in Six, With Lexington Winner of the Main Honor.

Automobile racing is the latest Americanized sport to gain popularity in Australia. Twenty thousand persons witnessed a race meet recently at Sydney, Aus., according to newspaper reports from that city.

RADIATOR LEAKS.

Radiator leaks are often very hard to locate, especially when they are little ones. In these circumstances empty the radiator completely and blow smoke into it through a Jeweler's blow-pipe.



Six Gary Trucks Purchased by the City of Portland for the Fire Bureau

The Gary Trucks Did It

They stood every one of the severe tests put to them by the Portland Fire Department in a recent test, winning over all competitors and the city purchased six Gary Trucks to replace horse-drawn apparatus.

The Ten Test Gary Trucks

Carry a full year's factory guarantee. Every part of them is a known part carrying the war-famed Buda motor. The Tuthill Titanic Spring which is banded, not bolted, and is guaranteed for the life of the truck against breakage in the center.

GARY COAST AGENCY, Inc.

PHONE BROADWAY 2162 71 BROADWAY SOUTH

MILL MOVED BY TRUCK

600 TRUCK LOADS IN BARGE TRANSPORT CONTRACT.

Entire Department of New Bedford Cotton Plant Carried to Pawtucket by Motor.

One of the largest motor trucking contracts that has ever been recorded in New England has recently been completed by a Fall River trucking concern, which successfully moved from New Bedford to Pawtucket the entire equipment of the cotton yarn factory...

CARLOADS OF CARS.

At the meeting of the directors of the National Automobile Chamber of Commerce in New York the carload shipments of automobiles for the month of July were 24,827 as compared with 13,741 in July, 1918.

Incomplete reports for August indicate carload shipments of 21,000 as compared with 11,848 in August last year. In addition there was a large number of heavy moving vehicles and shipments by boat.

SHOULD LIMIT MOTOR TRUCKS IN THREE DIRECTIONS—WIDTH, HEIGHT AND MAXIMUM LOAD PER INCH OF BEARING SURFACE.

He also advocates a maximum gross weight of vehicles and load not exceeding 800 pounds per inch of tire, as the crushing strength of concrete pavements averages 3500 pounds per square inch.

AUSTRALIA LIKES SPEED

20,000 AT AUTO RACE MEET HELD IN SYDNEY.

American Cars Take Four Events in Six, With Lexington Winner of the Main Honor.

Automobile racing is the latest Americanized sport to gain popularity in Australia. Twenty thousand persons witnessed a race meet recently at Sydney, Aus., according to newspaper reports from that city.

RADIATOR LEAKS.

Radiator leaks are often very hard to locate, especially when they are little ones. In these circumstances empty the radiator completely and blow smoke into it through a Jeweler's blow-pipe.

MILL MOVED BY TRUCK

600 TRUCK LOADS IN BARGE TRANSPORT CONTRACT.

Entire Department of New Bedford Cotton Plant Carried to Pawtucket by Motor.

One of the largest motor trucking contracts that has ever been recorded in New England has recently been completed by a Fall River trucking concern, which successfully moved from New Bedford to Pawtucket the entire equipment of the cotton yarn factory...

CARLOADS OF CARS.

At the meeting of the directors of the National Automobile Chamber of Commerce in New York the carload shipments of automobiles for the month of July were 24,827 as compared with 13,741 in July, 1918.

Incomplete reports for August indicate carload shipments of 21,000 as compared with 11,848 in August last year. In addition there was a large number of heavy moving vehicles and shipments by boat.

SHOULD LIMIT MOTOR TRUCKS IN THREE DIRECTIONS—WIDTH, HEIGHT AND MAXIMUM LOAD PER INCH OF BEARING SURFACE.

He also advocates a maximum gross weight of vehicles and load not exceeding 800 pounds per inch of tire, as the crushing strength of concrete pavements averages 3500 pounds per square inch.

AUSTRALIA LIKES SPEED

20,000 AT AUTO RACE MEET HELD IN SYDNEY.

American Cars Take Four Events in Six, With Lexington Winner of the Main Honor.

Automobile racing is the latest Americanized sport to gain popularity in Australia. Twenty thousand persons witnessed a race meet recently at Sydney, Aus., according to newspaper reports from that city.

RADIATOR LEAKS.

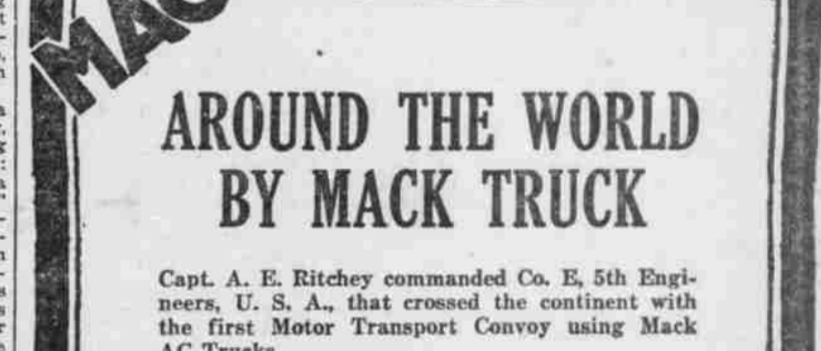
Radiator leaks are often very hard to locate, especially when they are little ones. In these circumstances empty the radiator completely and blow smoke into it through a Jeweler's blow-pipe.

the location of the leak. A little soft solder on the end of a wire will enable you to reach places where common soldering cannot be carried out.

Preparing Maps for Tour. A convenient method of preparing pocket maps for use on a tour is to

paste them onto strips of cardboard about three inches wide and eight inches long. This makes a convenient size for ready reference in the city and fits in the pocket.

Don't neglect necessary adjustments and repairs until it is too late and you are laid up by the roadside.



PERFORMANCE COUNTS AROUND THE WORLD BY MACK TRUCK

Capt. A. E. Ritchey commanded Co. E, 5th Engineers, U. S. A., that crossed the continent with the first Motor Transport Convoy using Mack AC Trucks.

Capt. Ritchey Says:

The Mack Bull Dogs got mixed up in something like 60-odd bridges and a great many culverts. In one day we broke up something like 16 regular bridges, and when I say we I mean the engineers who had the five Macks, and yet on the entire trip we broke but one front spring.

We were all overloaded and whenever there was anything hard to do the Macks got the job. We helped everybody and received very little help ourselves. In fact we did not need it.

Give me the kind of roads that trucks should run over and I would consider it a real pleasure taking a fleet of Bull Dogs around the world.

International Mack Corp. 10th and Davis Sts. Phone Bdwy 691

