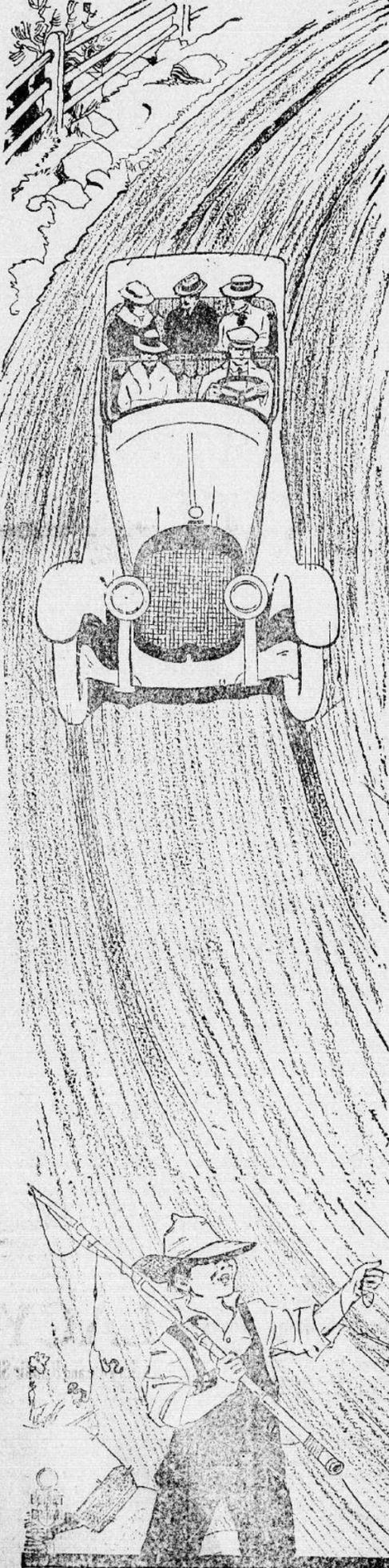
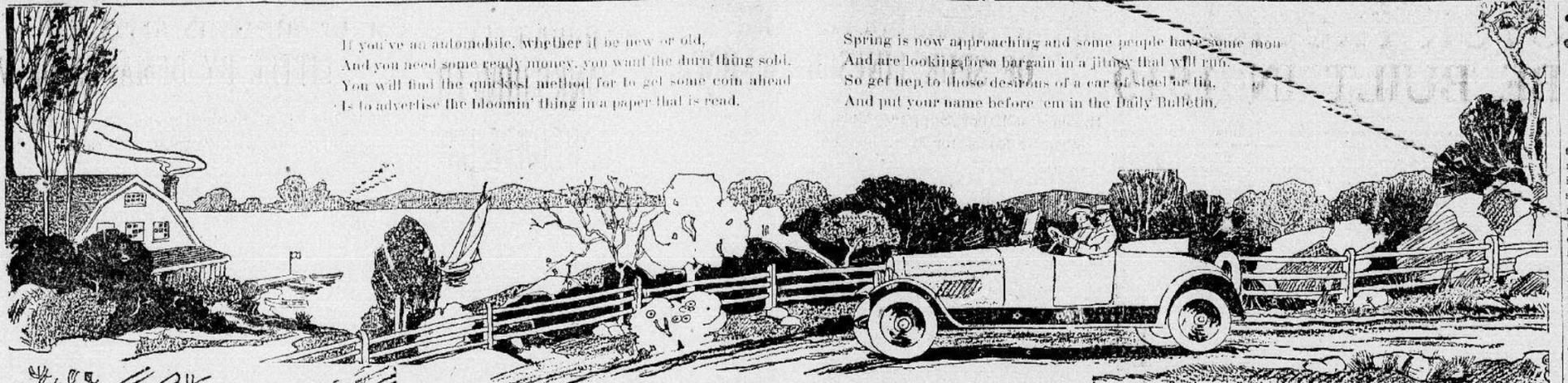


LOCAL, STATE, NATIONAL AND INTERNATIONAL

THE BULLETIN'S DOUBLE PAGE OF NEWS

If you've an automobile, whether it be new or old, And you need some ready money, you want the sure thing sold. You will find the quickest method for to get some coin ahead Is to advertise the bloomin' thing in a paper that is read.

Spring is now approaching and some people have some mon- And are looking for a bargain in a jiffy that will run. So get hep to those desirous of a car of steel for tin, And put your name before 'em in the Daily Bulletin.



TIRES COST AS MUCH AS CAR IN LONG RUN

At End of Three Years, They Will Have Cost About \$480, Approximately Machine's Original Price, Says An Authority.

Generally speaking, the tire equipment costs as much in the long run as the automobile," says an authority. "The cost of the tire equipment is, of course, proportionate to the cost of the automobile—the larger and more expensive the automobile, the larger, and hence, more expensive the tire. For the cheaper grade of automobile, one set of tires costs about \$30. The average annual car mileage is 10,000 miles, the average tire mileage 5,000 miles, therefore two sets of equipment are needed in a year. At the end of three years, the average length of possession of a machine before trading in, the tires will have cost \$480, approximately the price of the car.

when the car is idle, its weight bears down on the tires and subjects them to strain. When the car is in use the tires aid in traction, absorb vibrations and shocks which would otherwise injure the machine, and protect the road from injury. The elements of wear lie in the pressure from above, and friction and blows from below. "Supreme importance in the history of transportation is attributed to tires by Elbert Hubbard, the essayist. He said that if the pneumatic tire, with its power to protect both road and machinery, had been known at the beginning of the nineteenth century, exclusive use of the automobiles would have prevented the development of railroads to their present strength. The growing use of omnibuses and motor trucks in passenger and freight transportation seems to give color to this view.

RESTRICTIONS ON THE SIZE OF TIRES IS LIFTED

The National Automobile Chamber of Commerce announces that at a joint meeting of committees representing tire and automobile makers, Feb. 13, it was decided that all restrictions adopted as a war measure on the manufacture of certain sizes and styles of tires will be removed, and tires of all sizes will be made as long as there is a demand for them.

Bulletin Boosters should patronize Bulletin advertisers.

HOW TO KEEP WARM IN AUTO, COSTS ONLY \$40

How to keep warm when auto-mobiling was simply a question of finance, according to a London concern's advertising in the winter of 1909, which read: "Wear one of our real calf's leather suits, lined chamois leather, latest French style, £5 5s; a pair of real Cape gauntlet driving gloves, 5s 6d; then wrap a warm wool rug round your legs, 10s 6d; and have an apron with flaps at sides fitted to your car, protecting the legs from all wind or rain, £1 1s; after that get a pocket warmer, 7s 6d; and also a large foot warmer, 12s 6d. These precautions will enable you to keep as warm as toast on the coldest day." So they should, seeing that the total is only £8 2s, or rather over \$40.—Chevrolet Review.

PLANES WILL AID THE REAL ESTATE TRADE

Airplane transportation is destined to become a vital factor in real estate development of the future, according to Joseph P. Day, prominent real estate broker of New York city, who asserts the airplane will accomplish wonders in suburban development, and that the commercial possibilities of air transportation cannot be overestimated.

830,000 ARE EMPLOYED BY THE AUTO BUSINESS

The automobile industry employs 830,000 people. This equals: Half as many as are employed by all the railroads of the United States. Approximately 8 per cent of all the people engaged in manufacturing and mechanical industries, whose number totals 10,658,881. A frequent cause of leaks in radiators is that the vents in the filling cap and overflows become choked with sediment, with the result that steam accumulates in the radiator and the pressure seeking an outlet forces an opening at the weakest point. A little care of the vent will remedy this trouble. The best way to locate a missing cylinder is to open the compression relief valves, one by one, looking for flame at each one. If no flame is seen open the throttle slightly. This gives the right amount of gas to each cylinder, so that the flame will be strong enough to shoot out.

MAKERS OF TRUCKS MUST SPEED UP AS GOOD ROADS COME

Farmers Are Needing Machines Now More Than Ever Before.

There are in America 2,700,000 farms of 100 acres or more. When this is taken into consideration, together with the fact that America is preparing today to spend \$1,000,000,000 on its roads, there may be gained, in the opinion of William Fulton Melhuish, president of the Ful-ton Motor Truck company, some idea of the magnitude of the motor truck industry of America for the future. Taking the number of farmers, the amount to be expended on good roads in the near future, and the number of trained truck drivers who will be returned to America from the war-torn roads of Europe and from the American army camps, the future looks rosy for the maker.

"It needs but a careful study of the situation as it exists today," said Melhuish, "to explain why the builders of motor trucks, and all enthusiasts in this most interesting field, look with extreme confidence upon the future. As roads increase, as they will increase rapidly now, the farmers will take more and more to the motor truck. Farmers and busi-ness men generally need the roads, they need the trucks and they also need the drivers. Loads and drivers will be supplied them rapidly and it is up to the manufacturers of motor trucks to supply the two to three million trucks that are wanted or that will be wanted in the not very distant future.

"I feel confident of the roads being supplied for the reason that there has come a change over the farmers of America. In the early days farmers felt that building roads was providing a cross-country race track for the motorist. Today the farmer has his automobile, he is getting trucks in ever increasing numbers, and he has his tractor. His farm lighting and heating is automotive. His entire farm is being run in many instances by automotive products. Farmers are working for good roads, as was evidenced by the vote in Illinois on the \$60,000,000 good roads bond issue, when the farmer vote was three to one that of the cities in favor of the bonding."

A rough and ready method of testing the alignment of the front wheels is to jack these wheels up an equal distance from the ground and spin them. While they are revolving draw a line on the center of the tire with a piece of chalk. Measure the distance from the line on the other tire at the height of the hubs and both before and behind the front axle. The approved gather will work out at about three-eighths of an inch.—L. I. A. C. Motorist.

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HUGE FUND IN SIGHT FOR HIGHWAYS IN U.S.

More Than Half Billion to Be Spent by Nation and States If Senate Concurs in Amendment of House; Colorado to Receive \$4,759,446 for Three Years.

Washington, Feb. 28.—More than half a billion dollars will be expended in highways improvement in the next three years through the partnership between the national government and the 48 states created by federal aid road act—if, as is expected, the senate \$295,000,000 amendment to the road act is concurred in by the house of representatives. Chairman Bankhead of the senate postoffice and post roads committee predicts the house conferees will agree with the senate conferees. The federal aid road act, resulting in great degree from the combined efforts of the American Association of State Highway Officials and the American Automobile association, became a law July 11, 1916, and created an appropriation of \$75,000,000, which required a like amount from the several states, the joint money to be spent in five years on roads which formed parts of state systems.

The sum of \$10,000,000 was also voted for roads in federal forest reserves, to be used in a 10-year period. In the senate amendment there was included \$9,000,000 more for forest reserve roads, \$3,000,000 a year for the next three years. These roads are entirely federal built, without any supplemental money from the states which contain forest reserves. By the terms of the original bill and its amendment all the states will receive in 1919, \$80,000,000; in 1920, \$85,000,000; in 1921, \$100,000,000, or for the three years a grand total of \$275,000,000. The state of Texas will receive the largest sum of all the states, \$4,078,989.50 for 1919; \$5,559,816.80 for 1920; \$5,852,458.74 for 1921, or a total of \$15,491,265.04 for the three years. Colorado will receive \$1,375,920.24 in 1919; \$1,648,844.71 in 1920; \$1,735,141.80 in 1921, or \$4,759,906.75 for the three years.

MOST OF WAR PLANES ARE MADE BY WILLYS

According to a statement recently issued by the Willys-Overland company, more than 90 per cent of all the training planes used by the American aviators were produced in its factories and 90 per cent of all planes purchased by the navy department were made there.

N. Y. PLANS THREE MOTOR RACE MEETS

Plans are being made for the holding of three motor race meets, motorcycle events, at the Sheephead Bay speedway this summer. Dates and details have not yet been announced.

58 MAKES OF AUTOS DISPLAYED AT SHOW

There were 58 different makes of automobiles on exhibition at the 19th annual automobile show in New York, just closed. These makes represent more than 100 types of bodies, from the snappy roadster to the luxurious sedans and limousines.

Engines without compression relief valves need a different treatment. Short circuit each cylinder in turn by means of a screwdriver resting on the cylinder with the blade touching the head of the plug. If the engine slows down the cylinder is a live one. If it is not affected by this process the cylinder is not firing.

A frequent cause of leaks in radiators is that the vents in the filling cap and overflows become choked with sediment, with the result that steam accumulates in the radiator, and the pressure seeking an outlet forces an opening at the weakest point. A little care of the vent will remedy this trouble.

UNCLE JOE SEES GREAT PROGRESS IN WORLD SPEED

"Don't talk to me about wonders of past ages," said Uncle Joe Cannon. "The world today is far more wonderful than ever before. Just think; it took Columbus as many months as it now takes days to cross the ocean, and we talk about flying and traveling a mile a minute as though they were nothing. "Why, the other day I dropped in a country school just in time to hear the teacher say: "Johnny, into what two great classes is the human race divided?" And Johnny answered promptly: "Motorists and pedestrians. "That's what I call progress. After awhile there won't be any pedestrians."

328,

Detroit. Motor truck production minimum of 3000 units per month to be sold to Georgia. Sales and advertising. Motor Coach, an authorized qualified company, of the manufacturing jurisdiction of Mr. Wilcox, in months after with Germany. In commercial only 28,500 at end of 1917. The war, production purposes had motor trucks. 1918 it had 264. And, Wilcox, the 1919, be double than

INVENTION LOW

Absorbing Perfect Rubber

The Racine perfected and absorbing tires. It is a rubber special graduated design which the resident together into long haul guard against and excess, solving shock solution to the vides a so-called the jolts and absorbed without lions of tire cords of fabric. Many tire agree that the and its use in vancement by the introduced.

In buying iron and steel, buy roughly and brazed, by sure to fit the. If great strength edges over the rivet the edge in place. Take care, wet it with little along the over a chisel. Heat it slowly it about an When the melted, rap the to induce the through the brass or copper into cold water. It should be

With six or extremely difficult six-cylinder wires to New, out like a 1909, replace these 3 and 4. M ground all the test out the change the w untested side.

If you want to rent, use the results.

Do

Considers values at which Dodge Cadillac This car stand up Brisco Ford