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E APPROPRIATIONS GIVE BOOST TO UNITED STATES FOREST ROAD SYSTEMS

Agriculture Is Empowered to Build Trails Where He Deems Them Necessary. Available for That Purpose.

March 21.—The development of the national system is given great impetus by the terms of the act which the president has just signed, increasing by \$200,000,000 the total fund for the federal road act, the new law makes available to the secretary of agriculture funds and trails within or partly within the

600, if we can use it advantageously. Whatever we can't use advantageously soon will be added to the \$4,000,000 of new money that becomes available the following year.

"We already have our plans for approved road projects sufficiently shaped up so a prompt start will be possible as soon as the weather permits. In some cases, however, these plans must necessarily be suspended on account of pending proposals for the creation of national parks affecting national forest lands. It would be obviously improper to expend the funds intended and voted by congress for the development and protection of the national forests on areas which may soon cease to be national forests.

This legislation will not only make it easier to protect the forests without costly expenditures to fight bad fires in inaccessible localities, but it will help enormously the many small communities and scattered settlers in and near the forests who now suffer for lack of roads. It will also enable the construction of important trunk-line roads crossing the mountains, with suitable provision of subsidiary roads. One result unquestionably will be a marked development of recreational use of these great national playgrounds with their wealth of too little known attractions. Altogether, the opening up of the forests to more complete and varied use by the public, which is the fundamental object of their administration will be tremendously advanced."

Under the law preference is given to the employment of honorably discharged soldiers, sailors and marines for the required labor.

TUBE WEAKNESS DOES NOT LEAD TO TIRE BLOWOUTS

A widely held belief in connection with tire usage, that weakness in the tube causes blowouts, is held to be false by A. M. Richardson, manager of Denver Tire Service, Inc.

"Motorists are often urged never to use an old tube with a new casing, because the former being weak will be the cause of an expensive blowout. This argument shows a misunderstanding of the basic principles of tire construction.

The casing, not the tube, holds the pressure of the air. The tube, reinforced, would blow out to a size greatly beyond that of the casing, and, if the pressure were sufficiently strong, would explode. The mission of the tube is not to strengthen the tire, but merely to act as an airtight bag, to hold the air inside the casing. It is made of rubber so that by virtue of its elasticity it may give before the blow in the road. When the tube is ruptured all that happens is that the air seeps out into the casing, then between the casing and the rim out of the tire.

"The true history of a blowout is this. When a casing is badly injured or worn it can no longer resist the pressure of the air which, straining against the shoe, breaks through its weakest spot.

"This explanation should not, however, destroy the feeling against using an old tube with a new casing. An old tube is much more likely to spring a leak than a new one. In addition to the weakness of age, it is apt to become stretched, and thus be subject to pinching. And running on a tire when it is flat injures it beyond recovery."

Opinions may differ as to the best means of getting agriculture represented in our legislative halls, but there can be no two opinions as to this—that agriculture stands in need of more legislators who are working farmers with their first interest the problems of the man on the land. To suggest that the running of farmer candidates is a mild form of socialism, a sentiment expressed by an Ontario cabinet minister recently, is absurd in the extreme.—Farm and Dairy (Toronto, Can.).



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THINGS TO WORRY ABOUT

End play in the crankshaft is apt to be noticed first when the car is throttled down to about five miles an hour, when there occurs what is commonly called bucking, accompanied by knocking. If the play is excessive, the knocking will be heard as the speed increases. This condition may be caused by the end of the main bearing becoming flattened or worn so much that the shaft can move back and forth, and as it does so it pounds against the bearing ends still more. In many cars with four bearing crankshafts the second bearing from the rear is designed to take the thrust, and so prevent that of the one bearing will remedy the trouble. In three bearing shafts the center or rear bearing shaft is the one requiring replacement. In the four bearing shafts it is best simply to change the one bearing instead of attempting to remove the play by using two or three bearings with thicker flanges.

In some cars a loosening of the engine bolts, those which hold the motor in place, may cause a misalignment of the engine, with serious trouble as a result. Even though the looseness be slight, it may allow the motor support to hammer and thump. In time this may result in an actual breakage of the supporting arm.

The inside of copper wire of the sort used for battery connections frequently corrodes until it is completely eaten through, when it parts and a short circuit results. This trouble is caused by the sulphuric acid gas in the cells, accentuated by the damp air about the battery. If the wires are coated at and around the terminals with cup grease the copper will be effectively protected from the acid fumes.

If the doors on one side of the car have a tendency either to bind or to swing too loosely, so that the lock does not catch, with the result that there are squeaks and rattles when the car is in motion, the trouble may be remedied by placing a piece of leather under the body.

The holding down nuts of the cylinder head should be tightened periodically. If the cylinder head is taken off for any reason, in replacing the part should be tightened up again by screwing down opposite nuts. Each nut should be turned a little, then its opposite should be screwed down. When we speak of power farming machinery, our minds naturally revert to the tractor, which is really the farmers' portable power plant, easily performing all nature of work hitherto left to man or beast. The most striking characteristic of the tractor is its efficient versatility. The enormous quantity of work of varying nature it can do at small cost makes the tractor the greatest farm machine of all time, and an economic necessity where increased production is desired at a saving in labor and expense.

"At present Illinois leads the Union, possessing more than 6,000 tractors. Kansas is a close second, with

A nut that refuses to be moved in the ordinary course may generally be started by heating an open end wrench which fits the nut and letting it rest thereon for a few minutes. The wrench may be heated with a blow torch, but do not heat the nut with the torch, because this expands both nut and bolt, thereby defeating the object of the operation.

When kerosene is used as a fuel in the motor tractor it will be found necessary in many cases to change the oil in the crankcase after each 20 hours of running. This is because of the tendency of kerosene to condense, when it is not properly heated, whereupon it mixes with the oil and destroys its lubricating qualities.

HIGH PRICES PAID FOR SECOND-HAND AUTOS IN BRITAIN

An illustration of automobile conditions in England is revealed in the Morning Post of London of Feb. 1, which says that cars are beginning to appear on the roads in increasing numbers, but away from the vicinity of certain factories there are few, if any, signs of new vehicles.

"Indeed," it adds, "the price of used cars in anything like good running order is as high as the actual cost of the vehicles new in pre-war days, sometimes higher. This points to the fact that the native industry will not get going properly for several months."

British motorists, like many car owners here, are having difficulties with low grade fuels, and in order to provide a better grade a plan is afoot to mix the highest grade aviation spirit, of which there is more than sufficient store in the country, with the lower grades that have been available. This mixture, it is stated, will be sold at about three shillings nine and one-half pence a gallon, equivalent to 90 cents indicating that gasoline is still a high priced commodity in England.

We do not claim the government owes us a living, but we do claim it owes us the opportunity to earn a good living.—Arizona Labor Journal.

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FARM TRACTOR TRADE SHOWS A REMARKABLE AND PERMANENT GROWTH IN THE LAST SIX YEARS

In 1912 There Were Only 11,000 Manufactured in the United States, But by 1918 the Total Output Approximated 150,000, Says a Kansas City Official.

"The growth of the American tractor industry has been remarkable. In 1912 there were only 11,000 tractors manufactured in the United States. By 1918 the total output approximated 150,000," writes Guy H. Hall, secretary of the Kansas City Tractor Club.

"From present indications it is predicted that in 1920 more than 200,000 tractors will be in use in America. The potential tractor market in this country exceeds 1,250,000. By this is meant that there are farms in the United States which can be far better and more quickly worked with less labor and greater returns with tractors than without. The number of tractors to meet this demand would total over one and one-quarter millions, not including replacements. This staggering figure does not include the demands of Europe, Asia, Africa or South America. These estimates seem all the more remarkable when it is considered that they are the outgrowth of only a few years' development.

QUANTITY PRODUCTION WAS REACHED IN 1914. "So-called quantity production of the one-man tractor, pulling a two-bottom gang plow, was reached in 1914.

"America has attained her eminent position among the nations of the world, because her system of agriculture releases two-thirds of her population to other activities, while Europeans—exponents of intensive farming—are, in a measure, serfs to the soil. Expansion of acreage per man has been the mother necessity behind the evolution of the farm tractor. As the agent of extensive farming, the farm tractor performs its greatest function, placing the farm on the same economic basis as other industries when mechanical efficiency is substituted for obsolescent human labor.

"As a result of his quick adaptation to power farming machinery, the American farmer stands today the greatest individual food producer in the world. When we speak of power farming machinery, our minds naturally revert to the tractor, which is really the farmers' portable power plant, easily performing all nature of work hitherto left to man or beast. The most striking characteristic of the tractor is its efficient versatility. The enormous quantity of work of varying nature it can do at small cost makes the tractor the greatest farm machine of all time, and an economic necessity where increased production is desired at a saving in labor and expense.

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BUTTE DAILY BULLETIN

SPORT NEWS HERE and THERE

HOPPE AND SUTTON TO PLAY IN BUTTE

Butte billiardists will have an opportunity of seeing William F. Hoppe, champion, and George Butler Sutton, former champion, in exhibition matches at the Marquette parlors next week on Wednesday and Thursday. Hoppe has not been here for 10 years, but his playing is well remembered and he will receive a warm welcome from his admirers. His first match will be on Wednesday night at 8 o'clock and the others at 3 and 8 p. m., Thursday. They will play balkline, three-cushion and fly shots.

Sutton has some enviable records that stack up alongside of those of Willie Woods. He beat practically every good player in America in the tournament held by the Billiard Players' League, Yamada, Cochran, Schaeffer and a number of others included.

SEATTLE CAPTURES HOCKEY MATCH

Seattle, March 21.—Seattle's hockey team, holder of the western championship, defeated Les Canadiens, eastern champions, of Montreal, here tonight, 7-0, in the first of a series of games held to determine the world title.

AGREE SPIRITUALLY SPLIT MATERIALLY

San Francisco, March 21.—George Joseph Taylor, who knows where heaven is, and who is about to tell the world its exact location in a book, is seeking a divorce from Marie Zentgraf Taylor, his million dollar New York bride.

After less than a year of married life Mrs. Taylor has returned to her Riverside Drive home in New York, where she will continue studying spiritual subjects and preparing lectures.

HIGH SCHOOL GETS GOVERNMENT FUND

Helena, March 20.—Boulder high school got \$318.50. Powell high \$353.29 and Gallatin high, \$357.72, under distribution of the state's share of the cost of vocational training, given in conjunction with federal government under the Smith-Hughes act.

PLACED THEM IN JOBS

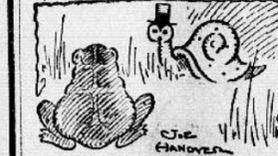
Washington, March 21.—Work for 57,000 discharged soldiers was found by the federal employment service in February, Assistant Director Smith announced today. About 75,000 to 250,000 discharged in that month sought the bureau's assistance.

IT ISN'T THE TOWN—IT'S YOU

"If you want to live in the kind of a town Like the kind of a town you like, You needn't slip your clothes in a grip, And start on a long, long hike. You'll only find what you left behind, For there's nothing that's really new, It's a knock at yourself when you knock your town; It isn't the town—it's you.

MEN WORTH WHILE.

"I give preference to unionists, because I am convinced that the man who gives a considerable portion of his time each week and a considerable portion of his earnings each week to try to improve the condition in which he lives, is justly entitled to more consideration than the man who remains outside and will not give a portion of his time or a fraction of his money to better the conditions of himself and those who are dependent upon his earnings.—Judge Cussen, Australian Arbitration Court.



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NEARLY MILLION SPENT IN STATE BY UNCLE SAM

Washington, March 21.—Figures made public today by the war department show that between July 1 and Dec. 31, 1918, the department made war purchases in Montana to the amount of \$959,309. This does not include purchases of copper or any technical or ordnance supplies. Total purchases in western states during that period amounted to \$119,286,582.

FIGHTING MEN DISABLED IN CAMP

(By United Press.) Washington, March 21.—Claims presented to the war risk insurance bureau by disabled soldiers show that only a small portion of them were disabled in battle as compared with those remaining in camp. Of the first 6,396 claims sent into the bureau only 1,310 per cent—83 men—received their disabilities in battle, while 68.9 per cent were disabled in camp, either in this country or overseas.

This percentage will, of course, be greatly altered as the men, returning from France, turn in their claims, yet officials of the bureau predict that the majority of claims will come from men disabled while in training. As the soldier becomes more thoroughly trained in the methods of warfare and camp life, the danger of being disabled is lessened, it was pointed out.

SAY YOU SAW IT IN BULLETIN.



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SOLDIER'S BODY BEARS THIRTY-SEVEN SCARS

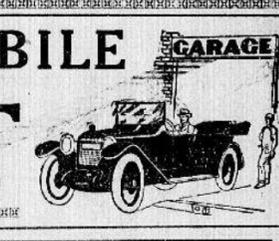
Whitehall, March 20.—Peter Piazolla of Basia visited Whitehall last week. He recently received his discharge from the service. He spent six months in France, going over the top seven times. He carries 37 wound scars; 34 were caused by shrapnel, and three by machine gun bullets. He was in the Three Hundred Seventh regiment of the Seventy-seventh division.

SOLDIERS APPLY FOR GOVERNMENT HELP

(By United Press.) Washington, March 21.—Not every wounded American soldier is entitled to retraining by the federal board for vocational training. Under the law the soldier must first have been awarded compensation by the war risk insurance bureau. To date the bureau has awarded payments for injuries to only 3,655 men who are now receiving special training, but many thousands more have their applications under consideration by the bureau at this time.

MANY TROOPS NOW AT HOME

Washington, March 21.—Troops returning from France during the week ended March 14 numbered 59,454, the largest total for any week since the armistice was signed. Up to March 14, 414,278 men had been brought home.



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