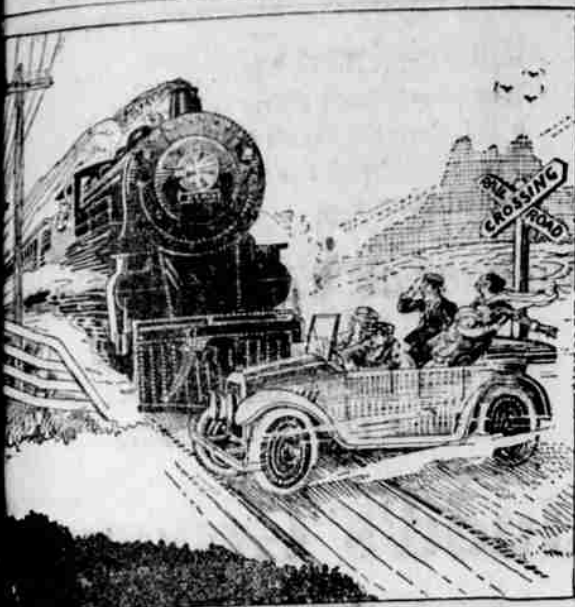


Trying To Save Human Lives By Teaching People To Be Careful



IMPORTANT and widespread results all over America are expected as an outcome of the educational campaign now under way to make the public more careful on railroad grade crossings. On the first of June under the direction of the American Railway Association in co-operation with all the railroad men in the country the slogan "Cross Crossings Cautiously" began to make its appearance from coast to coast in places where the most people would be likely to see it.

The campaign will continue to Sept. 30. Railroad men are hopeful that the constantly reiterated warning to "Cross Crossings Cautiously" and the arresting picture posters reproduced above—that have been distributed all over the country to the number of 1,200,000 will teach a lasting lesson.

In 1920 about 76 per cent of grade crossing accidents involved automobiles. In 30 years the National population has increased 63 per cent. Crossing accidents have increased 345 per cent. In fatal and injury cases. In 1920, 1,791 persons were killed and 5,077 injured; of the latter 116 died later.

There are two ways of reducing or preventing such accidents. The first is the elimination of crossings. This is impossible. There are about 72,000 highway crossings in the United States, the elimination of which would cost more than \$12,000,000.

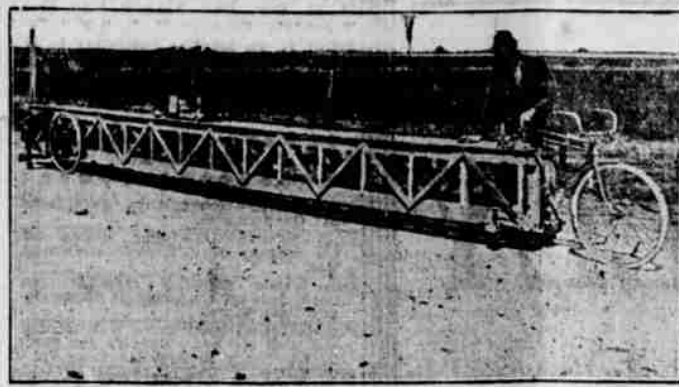
Grade crossings are being abolished as fast as possible but it will take, at the present rate, more than 600 years to dispose of all crossings if no more are added.

The American Railway Association and the railroads have decided that the solution of the problem can be found in public education.

The railroads, since the termination of Federal control, have been carrying on an intensive educational campaign to reduce accidents among their employees. In 1921 there was a reduction of 48 per cent in fatalities and 42 per cent in injuries among train and engine men compared with the record of 1916. If people can be educated to be careful, care can become a habit.

FARM NEWS

EXPERIMENTAL HIGHWAY WORK AT ARLINGTON WILL BE CONTINUED



Device for Testing and Measuring the Smoothness of Roads.

(Prepared by the United States Department of Agriculture.)

A comprehensive program of road-building research and investigation during the coming season at the Arlington Experimental station near Washington, D. C., is announced by the bureau of public roads of the United States Department of Agriculture. Impact tests on pavements, subgrade studies and other experiments, which last year aroused much interest among engineers, will be continued as well as several other lines of work underway last year and new ones to be started.

Bituminous wearing surfaces are to be investigated to determine the reason for the formation of waves and irregularities and to settle mooted questions concerning the proper mixture and the proper mineral aggregates to be used in bituminous roads. More than 30 sections of different types of bituminous construction will be built. These will include mixtures of different mechanical grading and with different percentages of bitumen of several degrees of hardness. Sections are being constructed on a circular track about 600 feet in circumference, the roadway being 13 feet wide. On this roadway will be operated a 5-ton army truck equipped with solid tires. The truck will be operated in a varying path so as to cover practically the entire width of the roadway and will travel at a speed of from 12 to 15 miles an hour for five or six months, or until some results are obtained leading to the solution of the problems involved.

Resistance to Wear. There is considerable discussion as to what is the proper criterion to be used in selecting and judging concrete aggregates that will offer the greatest amount of resistance to wear. At the present time judgment is based on wear tests made in the laboratory and upon the compressive strength of concrete, also upon the structural strength of concrete beams constructed and broken in the laboratory. The comparison of the wear of concrete in actual use on road surfaces with the indications obtained in laboratory experiments is not wholly satisfactory.

To throw more light on this subject a wear test is to be made with the conditions approximating those actually found on the road. This test will include about 65 sections of concrete wearing surface, each section being of a different quality of concrete, the qualities being varied by virtue of the different aggregates used, different proportions in the mixture and amount of mixing water. These sections are to be constructed on a circular runway about 650 feet in circumference, the runway being 4 feet wide.

On this runway will be operated a specially constructed car with two truck wheels equipped with solid rubber tires and loaded to represent a truck. The car will be guided by small railroad rails to hold it in position, the power being applied by means of an electric motor to the rear wheel. This apparatus will be operated around the circular runway at a speed of probably 20 miles an hour. The test will involve the use of truck wheels equipped with different kinds of tires and will include the use of non-skid chains. A steel-tired wheel will probably also be used to get the effect of an accelerated wear test.

The object of this experiment is to determine the relative wear of the

different concrete sections when subjected to traffic equipped with different types of wheel, also to furnish a comparison between actual service conditions and laboratory tests. This test will be in operation continuously beginning some time in June.

Impact on Roads Studied. In a rather elaborate series of experiments, the bureau has studied impact of trucks on roads, and has determined approximately the magnitude of impact force under different truck and road conditions. The effect of such impact on concrete pavements and several types of road on concrete base was studied and reported on last year. This series of experiments is to be continued and enlarged. Over 120 road sections or slabs have been constructed in duplicate series. One series is on a carefully drained dry subgrade; the other series is on the same kind of subgrade except that it is kept wet and as nearly saturated as possible by means of an underlying drain tile and side ditches filled with water.

The testing of these slabs will begin some time during the month of May and will be by means of a new impact machine now being constructed which simulates the action of the rear wheel of a truck. On this machine may be mounted truck wheels of different sizes and weights carrying different kinds of truck tires. This apparatus may be so operated as to reproduce the different loading and equipment conditions of a large variety of trucks. The slabs will be hammered by means of this machine in the center, on the corners, and on the sides so as to obtain the relative strength under these different conditions.

Subsoil investigations are being continued for the purpose of studying and investigating relative stability, moisture condition, and supporting value. Different methods of determining the bearing value of soils are also being studied, that is, as to whether small or large areas should be used in determining the relative bearing value.

The varying effect of temperature and moisture conditions on concrete pavements is also being investigated. Temperatures and movement are being recorded graphically on continuous charts. In addition to these temperature and movement measurements the pressures on the subgrade under the concrete slab are obtained by means of soil pressure cells. This investigation will give some definite information concerning the support offered by subgrades to rigid concrete roads. This investigation has been under way for some time and will continue probably for a year or more.

The transmission of loads through different types of pavements to the subgrade is being investigated by means of soil pressure cells placed on the subgrade under the pavements. This test will also serve to show the relative support offered to brick and other types of block pavement by concrete bases and broken stone bases. This investigation has been under way for about one year and will continue for some time to come.

A large number of prominent engineers and others interested in road work have visited the Arlington Experimental station to witness the preparation and conduct of these experiments. It is intended to have all these projects in full operation by the middle of June. Visitors are always welcome and those in charge of the work are always glad to give any information desired about the experiments.

DO YOU KNOW THE POULTRY BUSINESS?

(By County Agent Cooney.) It may be a fact that you are well-informed about your business, but nevertheless, there is taking place throughout the United States a radical change of opinion as to the importance of this great industry. Did you know that the value of poultry and its products in the United States is valued at one third more than the entire wheat crop? The poultrymen are in a business of no mean importance, so plan on attending the big poultry convention at Corvallis, August 1, 2, and 3.

Every poultryman is invited to talk this matter over with their neighbors and get them interested. Meet the county agent at Drain on Monday noon, July 31.

ARE YOU INTERESTED IN SHEEP OR GOATS?

(By County Agent Cooney.) Then don't forget the date and place of our annual sale of purebred bucks and billies. This sale is yours and the extent of its success will be measured by your interest and co-operation with your fellow breeders. Good, strong, dominant sires are the foundation upon which you will build your flock of sheep or goats. Remember that your sire represents 50 per cent or more of that lamb crop.

HOME DEMONSTRATION MEETING

(By County Agent Cooney.) The county agent has obtained the services of Mrs. Jessie D. McComb, state leader of home demonstration work, to address an all-day meeting of farm women at Oakland.

This meeting will be on Thursday, July 27, which is also the date when a large number of farmers and their families will be in Oakland to attend the power farming demonstration. Every farmer's wife is invited to be in Oakland on that day and enjoy the treat of hearing Mrs. McComb tell what the Oregon Agricultural College Extension service is doing to make the farm home a place of health, wealth and happiness.

NOTICE

If you want a house built, moved or repaired or cement blocks of any kind, see Pat.

TARKINGTON NOVEL FILMED

Foremost among the novels which have brought Booth Tarkington lasting fame, is undoubtedly "The Man From Home," which has now been translated to the screen and which will be showing at the Antlers theater tonight. With the action laid mostly in Italy, and several scenes in England and America, the story is a thrilling one and its transference to the screen is a masterpiece of its kind. Produced by George Fitzmaurice for Paramount, it has been invested with the customary fire and vigor expected from this virile director. One of the chief details is the excellent cast, which comprises such favorites as James Kirkwood, Anna Q. Nilsson, Norman Kerry, Dorothy Cumming and John Milner.

Are Going East—

G. H. Baker and wife, and E. E. Lang left here this morning for a trip to Wisconsin and Massachusetts by auto. They will take the northern route by way of Pendleton and Spokane, and will spend some time in Yellowstone National park before proceeding east. Mr. Baker has not seen any of his relatives except one brother since the close of the Civil war, and Mrs. Baker has not seen her relatives, except one, in 40 years.



The UNIVERSITY of OREGON

contains:

The college of Literature, Science and the Arts with 22 departments. The professional schools of Architecture—Business Administration—Education—Graduate Study—Law—Medicine—Music—Physical Education—Sociology.

The 47th Year Opens October 2, 1922

For catalogue or any information write The Registrar, University of Oregon, Eugene, Oregon.

STOP

At Churchills and Ask To See Their

Pocket Knife Special

The finest quality, big assortment and the price will surprise you.

Churchill Hardware Co.

National Campaign Be Run By Radio

WASHINGTON, July 27. (United Press.)—Two big political radio-telephone broadcasting stations probably will be set up by the democratic and republican national committees for campaigning purposes.

Political publicity would be circulated throughout the country by these stations, which would facilitate campaigning.

Tentative proposals have been submitted to Chairman John T. Adams of the republican national committee for setting up a \$25,000 station on the roof of the Munsey building, where republican headquarters are located.

Work will not be begun on the station until congress places its sanction on the suggestions of Secretary of Commerce Hoover for government supervision of radio-telephony. Judge Cordell, chairman of the democratic national committee, also

ELKS' STEPPING PARTY

Thursday evening, July 27. All Elks, wives and sweethearts be sure and be there. Apple pie a la mode—Good music—Good time.

has signified his intention of setting up a station if the republicans carry out their plans.

Prospects of a long summer session of congress has lent impetus to the new suggestions. Many political leaders will be retained here and the radio-phones would enable them to get in some campaigning while remaining in the capital.

TRESSPASS NOTICE

All parties found hunting or otherwise trespassing on my place or any of my pastures including the mill site pasture East of Sutherland and pasture west of Sutherland will be prosecuted to full extent of the law. R. O. GOFF.

CLASSIFIED COLUMN

ALL NEW CLASSIFIED ADVERTISEMENTS WILL BE FOUND ON LAST PAGE UNDER HEADING "NOW TODAY."

WANTED.

ROOM WANTED, with piano. Close in. "H. W." care News-Review.

WANTED—To borrow three thousand dollars on good security. Address J. S. H. News-Review.

WANTED—Men for truck quarry near Oak Creek. Wages, \$1.25 per day. Inquire Metzger and Johnson.

WANTED to hear from parties who have farm for rent, sale or exchange. Owners only. Box 258, Sutherland, Ore.

WANTED—Roseburg property on trade for 163 acre ranch, \$10,000; 39 acre ranch, \$1,000; 70 acre ranch, \$4,000. Josephine Co. on paved highway. See owner, room 9, Masonic Temple Bldg., Phone 2-F-4.

WANTED—Position on ranch. 12 years experience with fruit, 4 years with gas engines, tractors, sprayers and overhauling same. 2 years fitting steam engines. Large ranch preferred. Phone 2-F-4.

MALE and FEMALE HELP WANTED—Civil Service examinations for July and August. Vacancies, \$120 monthly. Age 18 upwards. Experience unnecessary. For free list positions now open write J. Leonard (former Civil Service Examiner), Post Exchange Bldg., Washington, D. C.

FOR RENT—Furnished room. Phone 21-F-2.

FOR RENT—Safety deposit boxes. Roseburg National Bank.

FOR RENT—Furnished sleeping room. Use of telephone and bath. Close in. 311 E. Oak.

LOST and FOUND. REWARD for return of blue gray Angora cat to Mrs. Wm. Hines, 941 S. Main St.

LOST—Between 325 Winchester St. and The Fern, 2000 lbs. July 22, one grey brood, recent style. Finder please leave at The Fern, Howard.

MISCELLANEOUS. WARNING given at home, 255 S. Pine, DIRT given away for the building, 419 Benson St., or see J. O. Keen.

HEBETTING—10¢ per yard at Singer Bldg., 121 N. Jackson St.

DIAMONDS, gold bought, reliable estimates. O. Chamber, 414 Seating Bldg., Portland, Ore.

FOR SALE—Hay, Eastover Orchard Tract, Phone 25-F-2.

FOR SALE—1 ton truck. Inquire J. O. Day, 229 S. Kane St.

FOR SALE—One 12-inch reamer; 1 cut-off saw; 1 blower. See Pat.

FOR SALE—One Shepherd pen, also shank dog. Inquire C. S. Sells, 218 E. 1st St.

FOR SALE ON TRAIL—Horse and lot. Address "L. S. Sells" care News-Review.

FOR SALE—A good team of horses and harness, cheap. Call at 507 N. Jackson.

FOR SALE—Self binder, \$15, or will trade for good cow or spring mare. Marion Weatherford, box 141, Rt. 1, Roseburg, Ore.

FOR SALE—Single horse and buggy. Gentle and sound. 325 N. Jackson.

FOR SALE—Poland China sows and pigs. W. A. Jenkins, phone 14-F-11.

FOR SALE—Ford truck for sale or will trade for Ford touring car. W. J. Merritt, Myrtle Creek, Ore.

FOR SALE—Brand new, sport model Oakland, price reasonable. Inquire 433 West Mosher.

FOR SALE—Fir block wood, 43 tier; oak block, 23 tier. W. A. Jenkins, phone 14-F-11.

FOR SALE—Baled hay, \$10 per ton at barn; loose hay in field, 30 a ton. Address "H. S. Sells" care News-Review.

FOR SALE—Six year old mare, weight about 1200 lbs. Broke, single and double. Good roadster, double gated. Phone 2-F-4.

FOR SALE CHEAP—All makes of second hand sewing machines and all makes repaired. Work guaranteed. Singer Sewing Machine Co., 127 N. Jackson.

1917 Ford chassis. 1917 Ford touring. A1 mechanical condition. For sale. Call 21-F-2.

FOR SALE CHEAP OR TRADE—Good ton Ford truck, ready to go. No use on late model Dodge or Chevrolet. Address Box 441, Roseburg.

A BAIRGAIN—1 No. 116, 215-lb. Iowa separator, \$40.00; 2 No. 128, 500-lb. Iowa separator, \$45.00 each; 1 six-shovel single row riding cultivator, \$45.00. Prices F. O. B. Sutherland, Wash. McCrory Brothers, Sutherland, Oregon.

FOR SALE—Late 1921 Baby Overland, like new. 1918 Dodge. 1921 Maxwell Sedan. 1919 Maxwell. Good terms. POWELL & WAKEFIELD. 215 N. Jackson St.

FOR SALE—211 acre ranch, 2 acres prairie, 12 acres alfalfa, 40 acres farm land. Stock and implements with place. Small town and barn. Cash or terms. Address "C" care News-Review.

REGISTERED Shropshire Rams from The Stafford Shropshire Farm at Mosleyview, for sale. Get the benefit from years of selective breeding. Mgr. Walter E. Stafford. Address, Junction City, Ore. Rt. 2. Phone, Roseburg 25-F-2.

FOR SALE—Eldon hotel, Gladvale, Oregon. New doing good business. Seventeen bedrooms, large sleeping porch, three baths, dining room, kitchen, steam heated, modern conveniences. Beautifully located. Cost \$2500 to build in 1912. In good repair, price, furnished, \$1500. (unfurnished, \$4000). Liberal terms. Dr. Geo. C. Knott, Independence, Ore.

FOR SALE—A 4 room fireproof home, central location, electric lights, city water, gas \$1000. Free insurance for three years from July 1, 1922; will give a year's term later with \$1000 in cash. Address, 108 N. West First St., Dr. H. W. Woodruff.

GREEN OLIVE CLUB DRESSING

Serves 5, Preparation 10 Min.
1/2 c. mayonnaise. 2 tsp. Chili sauce.
1/2 c. chopped stoned Spanish olives. 1 tsp. horseradish.
METH: Mix, chill and serve on lettuce, chopped cabbage, cold spinach, or with sea food.

GLLENDALE NEWS

Why Wickelman, who has spent weeks in Canada, looking for a new home, returned last week to his home on the Coquille. He is the miller winter of Oregon. He will return to this city and will be in the employ of the S. P. for several years.

S. Brown is looking after business at the county seat today.

Mr. Hays and his daughters are relatives at Selma this week.

Mr. and Mrs. W. J. Vestal and their sister, Minna, attended church at Selma this Sunday. Their home is at Ferndale, where Mr. Vestal is head sawyer at the mill.

Mr. and Mrs. Lee McCame, of Yach, are visiting their mother, A. A. Watkins, at the Wood's this week.

Mr. Marion Hanks and his wife, their two daughters, of Klappa, spent one day at the Perkins home in this city last week.

They were enroute to an extended trip to eastern Oregon, and will visit other cities on the northwest. They will visit Glendale relatives and friends as they return.

Mr. Frank Williams returned last week from an extended trip to relatives at Crescent City.

Mr. and Mrs. L. L. Hurd and son, at home again from a ten-day's trip at the coast.

The Blanche Mealy, capable manager of our post office during the absence of our postmaster, was captured by her brother, George.

Mr. J. W. Jacobson and his son, Dan, returned from a visit to the home of the former's wife, Mr. and Mrs. D. N. Snyder this city.

Mr. and Mrs. Wilson, of our city market, are handling an increasing and lucrative business. A line of goods of all varieties.

The Glendale State bank is a superior management and is a popular institution.

Mr. Howell is closing out his fine

stock of goods, getting ready to move to Grants Pass.

Next Sunday, July 31, there will be a convocation of Sabbath schools at the Johns place. A general invitation is extended to Sabbath schools from all localities. A neighborhood picnic will be enjoyed by all. The usual services will be very interesting, and we expect a "red-letter day."

ANNOUNCEMENT.

The Specialty Shoppe will be open for business tomorrow with a fine line of ladies furnishings.

The hemstitching department of the Bellows Store will be located in our shop.

Mrs. O. D. McAllister and Mrs. F. J. Jones, the proprietors, invite you to visit the new store.

THE SPECIALTY SHOPPE.

DAILY WEATHER REPORT.

U. S. Weather Bureau, local office, Roseburg, Oregon, 24 hours ending 5 p. m.

Precipitation in inches and hundredths. Highest temperature yesterday, 53. Lowest temperature last night, 50. Precipitation, last 24 hours, 0. Total precip. since first of month, 0. Normal precip. for this month, .32.

Total precip. from Sept. 1, 1921, to date, 27.43. Average precip. from Sept. 1, 1921, to date, 21.19. Total deficiency from Sept. 1, 1922, 6.65.

Average precipitation for 44 wet seasons, (Sept. to May, Inc.), .21.39. Forecast to 5 p. m. for Southwestern Oregon.

Tonight and Friday, fair, continued warm.

WAYLAND BAILEY, Observer.

The Clancy Kids

Not That Kind of A Boy

By PERCY L. CROSBY

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Piles PERMANENT RELIEF. Legal Guarantee Given. Used of Kiehl's ointment—continue work. To see Glendale Film Treatment.

L. CROCKER, Roseburg, Ore.

