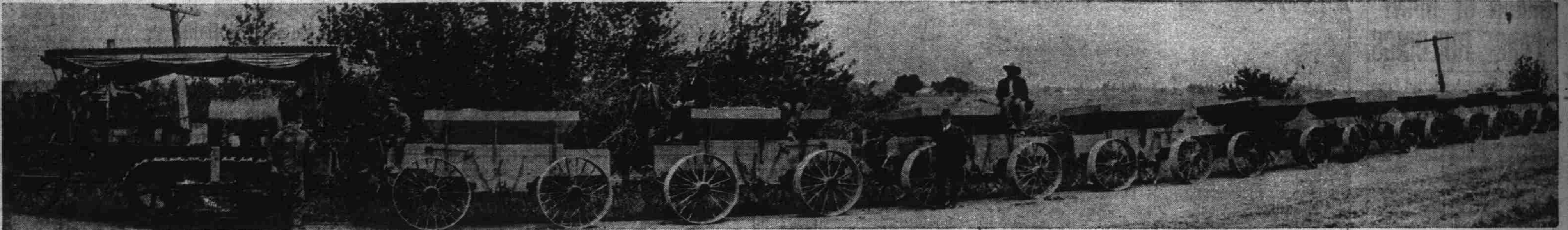


BENTON COUNTY HAS PRETENTIOUS WAGON TRAIN WITH TRACTOR POWER TO EXPEDITE ITS ROAD BUILDING WORK



Gravel outfit introduced by former County Judge Wade Malone and commissioners in road work in Benton county. The 10 wagons are drawn by a 75-horsepower Holt tractor and carry a total of 32 yards of gravel at a single trip. The speed of the outfit averages 2 1/2 to 3 miles per hour. The tractor can haul a load up a 3 1/2 per cent grade. On a heavy grade one or more of the wagons are dropped off. On a short pitch of heavier grade, a part of the train is temporarily dropped and after reaching the top the tractor returns and couples all the wagons together and proceeds on its way. The tractor is also much used in grading work and has been found to be very economical for the purpose. The operating expense is about \$50 a day, including depreciation and maintenance. Up to three or four miles the tractor train is operated at a cost of about 50 per cent of other methods. On a seven or eight mile haul, trucks are used in Benton county to a greater advantage.

CLATSOP COUNTY BEGINS WORK ON 3 ROAD PROJECTS

Astoria to Seaside, Tillamook to Seaside, and Seaside to Cannon Beach Work Started.

Seaside, March 26.—Contracts have been let and the work begun on the three major Clatsop county road projects. The J. H. Tilman company is now grading that stretch of highway between Astoria and Seaside that has not been paved, but this work will not necessitate the closing of the road for some time.

According to the county court the detour by way of the Lewis and Clark road and the Melville-Wahamona cutoff will be in good shape for travel within a short time and long before it is necessary to close the highway. Two steam shovels are now establishing the grade on the Melville road, three miles having already been graded of the five-mile stretch. After the highway is closed the motorist coming to Seaside will take the Lewis and Clark road at Miles crossing to Melville and then over the new road by way of Thompson falls to the beach. The Seaside-Tillamook highway is in excellent shape, with the exception of about two miles which is being worked at this time. This work cannot be finished before July, but with 30 days of good weather the road will be in good shape for motor traffic. The county has two rock crushers on this road and the Seaside steam roller will be taken there this week. Up to 18 miles from Seaside the road is good, and with the minor improvements being done on the Tillamook county side the highway will undoubtedly prove very satisfactory this summer. The impassable stretch of road at this time is of clay mixture, and with the coming of good weather will bake and provide an excellent roadway.

The third project, the widening of the Seaside-Cannon Beach road, is being rushed to completion and will be finished not later than the middle of June. A steam shovel is working double shift and a crew of men is widening this scenic highway to 24 feet. This has been not only the most popular highway in the county but the most dangerous in the past. The work of rockering can not be done until the Seaside-Tillamook project is finished, but the road is good at this time and will be excellent this summer.

The county court has also let contracts for grading and planing the Columbia Beach road from Warrenton to Gearhart. This work will be finished before the main highway is closed.

Veteran Salesman Goes With Keaton

Joe Green, one of the oldest tire salesmen in point of service with the tire industry on the Pacific coast, has gone with the Keaton Tire & Rubber company as a member of the sales staff. Green has been in Portland nine years and with the tire business the whole of that time.

Coming to Portland as Lee tire representative nine years ago, Green already had an enviable record as a Lee tire man, having started with that company when it entered the tire field. Leaving Lee, he went with Pennsylvania Tire three years, covering the Oregon and Washington territory, and then with Miller two years. After serving a term with General he transfers his affections in turn to Keaton and will be associated with Manager Thompson at the Sixth and Main streets office.

1920 TIRE SALES \$544,729,000

Increase Over 1919 Sales Was \$116,500,000; Total Number of Tires Produced 44,065,000.

Akron, Ohio, March 26.—Latest figures of automobile tire production in 1920 show a total production of 44,065,000, representing a total sales figure for the year of more than half a billion dollars. The actual total, \$544,729,000, represents an increase over 1919 of \$116,500,000. The 1919 tire consumption totaled 27,380,000, while in 1918 more than 25,000,000 tires were sold. Nearly 19,000,000 tires were consumed in 1917. The total number of motor vehicles was more than 9,000,000, and of these 3,900,000 required pneumatic equipment.

Gasoline Tax in 2 Years Is \$854,277

Salem, March 26.—A total of \$1,672,587.1 gallons of gasoline and 7,510,317.75 gallons of distillate have been consumed in Oregon in the past two years, on which state taxes have been paid aggregating \$854,277, according to figures compiled by Secretary of State Koser. The peak consumption of gasoline was reached in August, both in 1919 and 1920.

Maupin Roads Good  
Maupin, March 26.—The roads in this section are all in excellent condition. Considerable work has been done on most of them. The grade leading west from Maupin has been graded.

MANY STATES FAVOR LICENSE FEES FOR ROADS

Oregon Motorists Believe That Money Should Go For Highway Improvement; Would Help.

The insistence displayed by Oregon motorists in determining that money paid for license fees for automotive vehicles shall go into road work and not be expended for other state purposes is finding reflection throughout the United States this year.

With an ever-increasing number of gasoline driven machines, licensees are demanding that they obtain their money's worth from money paid, and declare that license fees shall further the idea of upkeep for those vehicles by having better road conditions everywhere.

There were also registered a total of 238,146 motorcycles. The registration and license fees, including those for chauffeurs, operators and dealers, amounted to \$102,084,106.28. As compared with 1919, the data for 1920 represent an increase of 22 per cent, or 1,648,849 motor cars. This increase alone lacks but 4 per cent of being equal to the total registrations of the United States last year.

NEW YORK LEADS  
In 1920 in the state of New York alone the number of motor cars registered, including commercial vehicles, exceeded the total cars registered in the whole of the United States in 1910. Furthermore, the revenues derived from registration in the state of New York in 1920 were about equal to the entire registration revenues of the United States for 1912.

The use made of the revenues has changed with the passing of years. In 1906 the total registrations were approximately 48,000 cars, paying a gross revenue of about \$183,000. (Arizona in 1920 paid approximately this amount.) In 1906 the gross registration revenues were equal to less than three-tenths of 1 per cent of the total rural road and bridge expenditures for that year. The registration revenues in 1920 were equal to about 35 per cent of the total rural road and bridge expenditures for the calendar year 1919.

MOORE GOES FOR ROADS  
In 1905, virtually none of the motor vehicle revenues was applied to road maintenance or construction, while in 1920 96 per cent, or a total of \$97,997,160.60, was used for this purpose. The remaining 4 per cent not applied to road work was expended very largely for number plates and in carrying out the provisions of the motor vehicle registration laws in the several states. Of the total amount applied to road work 79 per cent, or \$77,531,582.67, was expended under the control or supervision of the several state highway departments.

For a number of years the general tendency toward devoting an ever-increasing portion of the motor vehicle revenues to road work under the control and direct supervision of the state highway department has been very noticeable. Prior to 1912 only a very small portion of the motor vehicle registration was devoted to this purpose.

WORST STRETCH ON PACIFIC HIGHWAY WILL BE PAVED

Contracts for Work on La Center Road From Crabb's Corner to Be Let Soon After March 28.

Ridgefield, Wash., March 26.—There will be a number of road improvements made in this section of this county this year, the biggest part of the work being the hard surfacing of the Pacific highway from Crabb's corner, in the Pioneer district, to La Center, a distance of about 4.5 miles.

The highway is completely paved now from Vancouver to Pioneer. Bids for the hard-surfacing of the proposed project will be opened March 28, at Olympia, and pavement specifications are now in the possession of the county engineer, W. A. Schwartz. They provide a concrete construction 30 feet wide, 7 1/2 inches thick in center and 6 inches on each edge. The contract for this job will be let just as soon as the bids are disclosed, it is said, so that actual construction can take place earlier than in former years and the paving completed before the rainy season sets in again.

The Pacific highway from Pioneer to La Center was graded and graveled two years ago and has settled enough to receive paving. The long wooden approach to the span across the east fork of Lewis river at La Center will be filled. Bids for it will not be opened until some time in May. It is proposed to fill in the trestle with dirt and leave the span over the east fork. It will mean much to the automobilists and also to the residents of this section of the country, and when completed the Pacific highway from Portland to La Center will be entirely paved.

WORST PART FINISHED  
The highway from La Center to Kalama, a distance of about 15 miles, will probably be paved this summer. With this project completed the highway from Portland to Kalama, the whole of the worst part of the Pacific highway between the Rose City and British Columbia, will be hard-surfaced. Local men.

Mystery Car Stolen  
In Cleveland, Ohio, a driverless automobile came tearing down a side street, perfectly turned a corner, and crashed into a car in which Mr. and Mrs. Fred Schummler were riding. Following the collision the driverless runaway car coughed, gasped and then, as if it were out of breath, came to an abrupt stop. Both cars were badly damaged. The "mystery" car proved to be a stolen one.

COOK & GILL TO HOLD DEMONSTRATION WEEK

Paige demonstration week will be celebrated here by a salon in the salesrooms of the Cook & Gill company, Paige six distributors, and new "jobs," particularly models of the new Daytona 6-66, will be on exhibition. The salon is scheduled for the first week in April.

The new Daytona model is named for Daytona Beach, Florida, where a Paige stock car achieved a speed of 102.3 miles per hour. One of the features of the week will be to show the public how the Paige does it. Practical demonstrations will be held every day.

PORTLAND CENTER FOR CYCLE FIRM  
Northwest headquarters for Excelsior-Henderson motorcycle interests has been definitely located in Portland, according to L. E. Croser, Pacific coast representative for the company, who reached Portland last week. George Strine of the Strine Cycle company, local Excelsior-Henderson distributor, is of the opinion that this move is of great importance to the motorcycle industry here, and will result in a decided boost for Portland vehicle trade. The entire line of motorcycles and bicycles will be merchandised from this city.

PEERLESS GIANT (one year guarantee) . . . . .55c  
PORCELAINS for CHAMPION "X" . . . . .18c

INNER TUBE PATCHES  
"Sealtite," made by Federal, for instantaneous and permanent inner tube repair. Usual price 50c. THIS WEEK . . . . .17c

JOHNSON'S LIQUID WAX POLISH  
A superior well known polish that is unexcelled— Half pints . . . . .39c Full pints . . . . .58c

WINDSHIELD CLEANERS  
"RAIN-A-WAY" Cleaners; attaches to windshield and wipes both sides at a stroke. Usual \$1.50—THIS WEEK . . . . .69c N. B.—We have other styles.

VULCANIZERS  
MARVEL Tube Vulcanizers; no fire to burn. Does instantaneous and permanent puncture repair in a few seconds' time. Complete with six patches and heat elements. THIS WEEK . . . . .69c

CHEESE CLOTH  
Fine Quality No. 1 White SPECIAL THIS WEEK, yd. 6 1/2c

REAR VIEW MIRRORS  
2 1/2x15 (closed cars) . . . . .\$2.47 5-inch round beveled . . . . .\$1.56 4 or 5-inch reducing . . . . .93c

GREAT BARGAINS IN TIRES AND TUBES  
Some SPECIAL prices that will mean a tremendous saving. Call at our store and look them over.

AUTOPARTS SUPPLY CO.  
80-82 SIXTH STREET PHONE BROADWAY 5506

VOGLER PREDICTS AUTO SHORTAGE

Reduction of Dealers' Stocks and Underproduction in Factories Will Bring Reaction in May.

In a message just received by Fred W. Vogler, president of the Northwest Auto company, from P. L. Emerson, assistant sales manager of the Reo Motor Car company, he cites several pertinent facts concerning the production of the various factories during the past few months, the time required to again reach a normal production and the unmistakable revival of business now upon us which will create a shortage of cars not later than the first of May.

"Automobile production for the past several months," says Mr. Emerson, "has been running short of normal by 150,000 cars per month. Dealers' stocks have been greatly reduced. The market is opening up and sales are now exceeding production. With the revival of the building trades and other constructive industries that are now taking on new life, there is no question but there will be a shortage of automobiles, not only because of the difficulties attending opening their own plants, but of their various sources of supply as well. Even in the Reo factory, which has not been closed except for seven days during the Christmas holidays, it is now impossible to increase production to care for orders that are coming in."

Automobile dealers of the Northwest and the public generally will have the opportunity of meeting Emerson on April 13, when he is to give a five-reel motion picture lecture regarding the Reo organization. The five reels deal with the organization, the workmen, the buildings and the detail of many of the processes of forging, machinery and assembling the large portion of Reo cars and Speed-wagons which are manufactured in their 40-acre plant at Lansing, Mich. It will be a revelation to many who have never visited an automobile factory.

Vancouver Road to Washougal Is Good  
Washougal, Wash., March 26.—The road between Vancouver and Washougal is in good condition with but one detour of a mile and a half between Vancouver and Camas and an unpaved strip of three miles between Camas and Washougal. Both are kept up with crushed rock.

Another Keen Truck Buyer  
Another FEDERAL  
Wm. L. Hughson  
60 N. BROADWAY, AT DAVIS  
PHONE BDWY. 521

TIRES TUBES ACCESSORIES THIS WEEK'S SPECIALS

SPARK PLUGS  
A-C CICO (all sizes) . . . . .39c  
PEERLESS GIANT (one year guarantee) . . . . .55c  
PORCELAINS for CHAMPION "X" . . . . .18c

GUARANTEED BIKE TIRES  
PEERLESS TRACTION TREAD. Famous "Smith Motor Wheel," non-skid tread. A very durable tire— THIS WEEK, SPE'L, each \$2.19

INNER TUBE PATCHES  
"Sealtite," made by Federal, for instantaneous and permanent inner tube repair. Usual price 50c. THIS WEEK . . . . .17c

JOHNSON'S LIQUID WAX POLISH  
A superior well known polish that is unexcelled— Half pints . . . . .39c Full pints . . . . .58c

WINDSHIELD CLEANERS  
"RAIN-A-WAY" Cleaners; attaches to windshield and wipes both sides at a stroke. Usual \$1.50—THIS WEEK . . . . .69c N. B.—We have other styles.

VULCANIZERS  
MARVEL Tube Vulcanizers; no fire to burn. Does instantaneous and permanent puncture repair in a few seconds' time. Complete with six patches and heat elements. THIS WEEK . . . . .69c

CHEESE CLOTH  
Fine Quality No. 1 White SPECIAL THIS WEEK, yd. 6 1/2c

REAR VIEW MIRRORS  
2 1/2x15 (closed cars) . . . . .\$2.47 5-inch round beveled . . . . .\$1.56 4 or 5-inch reducing . . . . .93c

GREAT BARGAINS IN TIRES AND TUBES  
Some SPECIAL prices that will mean a tremendous saving. Call at our store and look them over.

AUTOPARTS SUPPLY CO.  
80-82 SIXTH STREET PHONE BROADWAY 5506

EQUIPMENT AND REPAIRING

**Westinghouse Batteries**  
"The Battery With a Longer Life"  
WESTINGHOUSE ELECTRICAL EQUIPMENT  
BATTERIES AND CARBURETORS for all makes of cars  
Northwest Battery Service Co. All work absolutely guaranteed  
359 OAK ST., NEAR PARK BDWY. 1764

**Genuine Parts for Standard Units**  
Continental Motors Parts Station. Spicer Universal Joints; Brown-Lipe Transmission and Clutch Parts; Axles, Worm Gears, etc. Differential Gears, Wrist Pins and Cylinder Head Gaskets for nearly every make of car.  
Colyear Motor Sales Company  
Bdwy. 3331 561 Washington St.

**TRUCKS AND DELIVERY BODIES**  
correctly designed to meet your needs mean economy in transportation  
WE BUILD BODIES TO ORDER  
STOCKS OF Ford Delivery Bodies and Heavy Duty Bodies for Immediate Delivery  
A UNIVERSAL BODY FOR EVERY NEED DAY AND NIGHT REPAIR SERVICE  
UNIVERSAL BODY CORPORATION  
900 SANDY BOULEVARD EAST 7913

**Auto Repair Prices Reduced**  
By having us do your work.  
We will quote a GUARANTEED PRICE on your work before starting your job.  
Cook & Gill Co., Inc.  
11th and Burnside Sts.

**REBUILT TRUCKS**  
Priced for Quick Sale  
WE HAVE more USED TRUCKS on hand at the present time than we care to carry, and to reduce this stock quickly we are disregarding the money we have in them and pricing them down to the point where they will move, and move fast.  
Turn to the CLASSIFIED SECTION of this paper for complete list and prices of our trucks.  
One thing, don't pass up seeing any of these TRUCKS because of the low prices at which we are offering them. You may think it impossible to give value at these prices, but an inspection of our stock will convince you.  
Many of our trucks have been overhauled and rebuilt in our own shops. All are rare bargains as priced for this sale.  
SEE LIST IN CLASSIFIED SECTION  
**Mitchell**  
LEWIS & STAVER  
Broadway at Everett  
**"BUY NOW AND SAVE"**