

**THIS TUBE SIMPLY
WILL NOT PUNCTURE**

No "Tire Filler," Either, but
It Eats Up Nails.

ITS PRINCIPLE NEW ONE

Banner Tube, Just Brought Here,
So Constructed That Rubber
Compression Seals Holes.

How would you like, Mr. Motorist, to have your car equipped with tubes that you can drive a nail through, or 20 nails through, without puncturing? A tube that comes with a hard-and-fast, iron-clad, triple-plated guarantee that it will not deflate for the period of one year from any cause? A tube, in short, that is warranted not to give you any more bother from punctures than if your car had a steering wheel of rubber? That sounds far-fetched, but all this is claimed, and enthusiastically claimed, for the Banner tube, which has just arrived in Portland. Be it said that the Banner tube, moreover, does not obtain its puncture-proof qualities from any kind or degree of "tire filler" whatsoever, but solely from its construction, which is something new in tire engineering.

Agents Here Well Known. The agency for this tube has been obtained for Portland and Oregon and southern Idaho by Meyer Abraham and W. C. Cooper, for many years with Mason, Eberman & Co. They have organized the Columbia Rubber Company to handle it. They have just opened quarters at 508 Washington street, adjoining fire station No. 5. The Banner tube is of laminated construction, vulcanized with a piece of non-elastic fabric on the inside and a heavy layer of pure rubber over it on the tread side. Following vulcanization the tube is turned inside out, the fabric facing outward on the outside. This makes the outside stretchless.

When the tube is inflated the thickened rubber tread is held by the fabric strip, and is so compressed that if a nail does pierce it, the compressed elasticity of the rubber automatically seals the hole. One nail or 20 nails can be driven into it and the compressed rubber will press each one tightly shut so that the tire remains inflated at full pressure. In fact, the greater the air pressure from the inside the greater the compression and the tighter the holes remain sealed.

Big Corporations Use It. Some idea of the place the Banner tube already has achieved in the tire world may be gained from the fact that such large corporations as the Shell Oil Company, the California Packing Corporation, Pacific Gas & Electric Company, Sperry Flour Company, Zellerbach Paper Company, Great Western Power Company and others have already contracted to use these tubes as standard equipment on both trucks and automobiles.

Some of these companies have taken as many as 800 of these tubes. To date replacements on the guaranteed life of the Banner tubes, it is claimed, have given three years' service without deflation.

E. W. Rubin of the Rubin Motor Car Company, which handles the King eight here, is one Portland man who uses these tubes and is enthusiastic about them. Mr. Rubin saw the Banner tube at the New York show last winter and was so impressed that he bought a set in June. He has since had it mounted on his car.

"999" MAKES LAST SHOW

ANCIENT LORD TAKES FINAL WHIRL ON SAUCER. First Car to Make Mile a Minute Was Basis of Barney Oldfield's Hopes.

The famous old Ford "999" racing car, which was the first car in the world to travel faster than a mile a minute, upon whose performances in the days of 1902-2-4 were based the future hopes of Henry Ford and Barney Oldfield, made its last appearance upon any race track when on the Los Angeles speedway it made its final whirl around the bordered saucer.

This car will be sent to Henry Ford where it will undoubtedly be placed in a conspicuous spot and form part of a collection that will depict the origin of this vast concern. The car is the property of William L. Hughson, head of the large coast-wise automobile concern bearing his name, who a few months ago resurfaced it from a junk heap in Los Angeles. For many years this car stood the searching parties of the two well known men who are endeavoring to locate it.

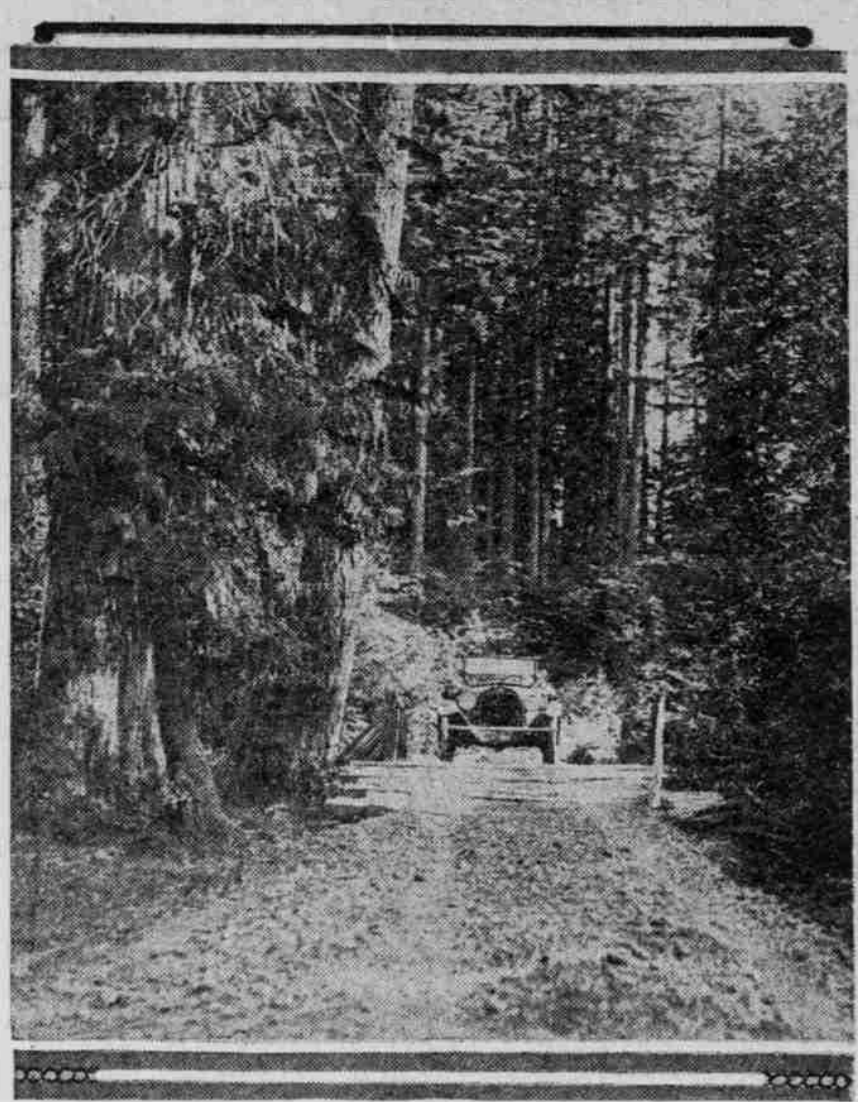
At the conclusion of the semi-annual branch managers' meeting the William L. Hughson company the car was taken to the Los Angeles speedway for its final bow to the racing public, being guided around the famous race course by Mr. Hughson and his branch managers.

Its performance after these many years of absence from the track, was a surprise to the privileged spectators who looked with awe upon the red demon, its motor belching out flames gaining momentum that carried it beyond the mile-a-minute mark.

This famous old car recently was on exhibition at the Los Angeles branch of the William L. Hughson Co.

Carbon Removers. The market at present is flooded with auxiliary air and moisture-injecting devices, some of which are good and some bad. The moisture-injecting devices will in most cases prevent the formation of carbon on the cylinder walls, but they are not likely to remove carbon already formed, although the claim is made for them. The air devices are practically useless unless the owner is absolutely certain that the air range of his carburetor is insufficient. If the adjustment already on the carburetor is capable of supplying more air an auxiliary air device is a waste of money.

ONALASKA-MORTON ROUTE TO MOUNT RAINIER NATIONAL PARK TRAVERSES BEAUTIFUL FORESTED COUNTRY.



Here's a typical view along the cut-off road to Mount Rainier national park, which saves many miles of travel. However, it is mountain road and no route for the amateur driver, though safe enough for the experienced pilot and exceptionally good for mountain road. It leaves the Pacific highway at the sign, "To Onalaska," nine miles south of Chehalis, and joins the main Tacoma-Mount Rainier Highway at Elbe, a run of 50.5 miles via the lumbering towns of Onalaska and Morton. Taking this route a week ago, a party in a Chevrolet EB touring car easily made the park from Portland in 11 hours. This picture shows the road about ten miles in from Onalaska.

INDIAN LORE AT HAND

SHORT TRIP TAKES AUTOIST TO NATIVE ROMANCES.

Historical Spots of Northwest Teem With Lore of Early Tribal Days.

SEATTLE, Wash., July 10.—From the bustle and hurry of Seattle to the native home of Julia, queen of the Pilechucks, the last monarch of the once formidable tribe of Pilechuck, is one of the interesting automobile trips out of this city.

Historical spots such as this abound in western Washington and these scenes, rich in Indian lore and reminiscent of the days when Ezra Meeker was in the bloom of youth, are passed up by the tourist simply because he doesn't know of their existence.

The motorist travels along the Pacific highway from Seattle to Everett over paved roads. The traveler is soon skirting the shores of Silver lake and entering the environs of Everett. Then follows the scenic ride from Everett to Snohomish.

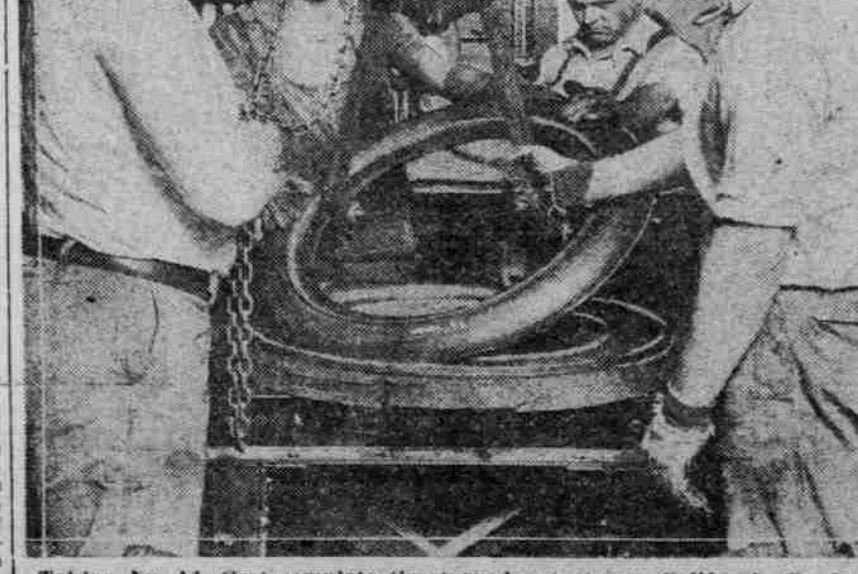
This historical town is one of the oldest in western Washington. Mrs. Mary L. Sinclair, daughter of J. N. Lowe, who was a member of the Pilechuck making up the band of first white settlers to set foot on what is now Seattle, is one of the residents of Snohomish. The home of Pilechuck Julia is a two-mile spin north of Snohomish at a beautiful spot on the banks of the Pilechuck river. One who took the trip describes the meeting with the famous Indian woman as follows:

Less than 50 feet from the highway, complacently sitting on the steps of a tumble-down cabin, was a bent old woman, short of stature and wrinkled of countenance. It was Julia, the only living member of her tribe, the remnant of the once mighty race of Pilechucks. For years Julia in her crumbling home has watched the white man's auto whiz by on the ribbon pavement that flanks the banks of the Pilechuck river. Few of the motorists that passed the Pilechuck cabin knew of its significance or realized that within it was Julia, the last of her tribe.

"Klaniam" beamed Julia, arising to greet the party in the last 13 years Julia has lived with her grandchildren in the Pilechuck cabin, and frequently during that time she has come into prominence as a weather prognosticator. Like most Indians, Julia does not know her accurate age, but it is estimated at about 80 years. Although bent with age, she is very energetic, cultivates her garden, fishes in the Pilechuck river and regularly walks to Snohomish, a distance of nearly two miles.

"She displayed considerable interest in the automobile."

NEW \$20,000,000 PLANT OF GOODYEAR TIRE & RUBBER COMPANY AT LOS ANGELES BEGINS OPERATIONS.



Taking No. 41, first complete tire turned out at new California Goodyear plant, from the mold on June 24.

PUZZLING THE AUTO THIEF

Here's a Device That Keeps Them All Guessing.

A good device for puzzling the automobile thief was made as follows: Remove the regular terminal from the end of the ignition wire and an extra one was procured. One of these was clamped around a piece of brass tubing and the other around a similar piece of tubing of hard rubber. The inside of each tube was threaded with a small tap. The end of the wire was placed inside a yet smaller piece of brass tubing and a little solder was poured in to make a good connection.

This piece of brass tubing was very slightly larger than the holes in the hard rubber and brass tubes inside the two terminals, and was threaded on the outside so as to screw into the holes in the two terminals. In ordinary use the terminal with the brass lining is screwed on to the end of the wire and used in the regular manner. When the car is to be locked, however, the hood is raised, the brass-lined terminal is removed and a rubber-lined one is screwed into its place. The hard rubber is an insulator and the ignition system will not function, and the thief will puzzle for a long, long time before he does out what is the trouble.

CYCLIST ON A LONG TOUR

Harley-Davidson and Side Car Is Piloted Across Continent.

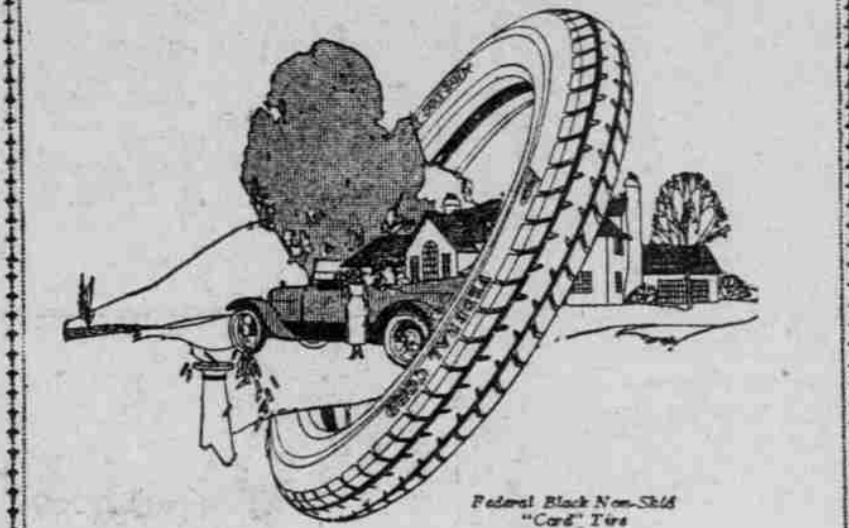
A tour across the United States over the longest direct route possible is being made by two southern motorcyclists, D. E. McDonald and E. R. Plummer, who are attempting to cover the 3500-mile distance from Miami, Fla., to Seattle, Wash., on a summer vacation trip. A Harley-Davidson machine with sidecar has carried them as far west as Minneapolis, where they have set out for the Pacific coast via the Yellowstone trail.

The two travelers visited the Goodyear Tire & Rubber company plant at Akron, O., where they watched the actual production of the type of Goodyear tires with which they are making their long jaunt.

To Grade McKenzie Road.

EGERNE, Or., July 10.—(Special.)—The road between McKenzie bridge and Foley Springs will be graded this summer, according to Smith L. Taylor, forest ranger in charge of the Paradise ranger station at the bridge. He says that traffic to the springs resorts will not be stopped during the progress of the work as easy detours through the timber can be provided.

FEDERAL
Double Cable Base Tires



Tire Slips Are Fatal

SLIPPING tires permit rims to cheat you out of many miles of good road service.

Yet this is unnecessary, for the Federal Double-Cable-Base holds tire securely set on the rim and gives you back the miles it saves for use on the road.

They also prevent blow outs just above the rim, side-wall chafing, tube pinching, etc.

The Federal Rubber Company of Illinois

Factories, Cudahy, Wisconsin

DEALERS—Write for exclusive proposition if we are not represented in your town.

WEAVER TIRE COMPANY
Oregon Vulcanizing Co.
333-335 BURNSIDE AT BROADWAY.
Telephone Broadway 372.

1000 MACKS IN FLEET

STANDARD OIL HAS HUGE MOTOR EQUIPMENT.

Great Market Open to American Trucks Revealed by Check of Export Shipments.

One Mack truck fleet now numbers over 1000 machines of models from a ton and a half to seven and a half tons. The Standard Oil company, to be exact, operated 1022 Mack trucks on June 1. In May 25 additional Macks were sold to the Standard Oil and the fleet was thus raised in numbers above the thousand mark.

The great market open to American trucks is again revealed by the Mack export business during May, the latest month for which the figures are available. Three Macks were shipped to Aden, Africa, and six were dispatched to Batavia, the capital of Dutch Java. It took 14 Macks to meet the month's requirements of Bombay, India, while Calcutta, in the same British possession, bought two.

The Spanish speaking nations were among the purchasers, and three Macks were sent to Pernambuco, Brazil; two to Valencia, Spain; 13 to Havana, Cuba, and one to Caliao, Peru.

Honolulu bought one Mack, four were sent to Kilindini, Africa, and Medan, Java, took a banner shipment of 18 ton-and-a-half machines. Shanghai, China, showed a preference for heavy duty Macks and purchased four 7 1/2-ton models and one two-tonner.

The export business of the Mack is reported to be steadily increasing.

FAST TIME ON DIRT TRACK

Joe Lewis Drives Packard Racer at 67 Miles Per Hour.

In recent automobile races at Hanford, Cal., Joe Lewis, driving a Packard car, won all three events of the special holiday programme. He first defeated a field of ten cars in an exciting 10-mile race on the one-mile dirt track in the fast time of 17 minutes, 50 seconds, and repeated in the next event, which was confined to Kings county cars. In the last event he set up a new mark for the track.

Closing Out Sale Trailers

2 and 4-Wheel Models 750 to 1500 capacity Camping and Commercial

Trailers
Write for prices NOW
Our stock will not last long



TIRES TIRES TIRES

HALF PRICE—50 CENTS ON THE DOLLAR

Unlimited Mileage Guarantee

SPECIAL—WEEK JULY 6-10

We have purchased SIX CAR LOADS (6492 tires) of "CLINGSTONE" brand, made by the LANCASTER TIRE & RUBBER CO. of Lancaster, Ohio, at a price that will permit us to sell them at JUST HALF of the PRESENT RETAIL PRICE.

These tires are strictly HIGH-GRADE, FRESH STOCK, made of 17 1/4-ounce long-fibre cotton fabric, with pure gum friction and a tough white oxide of zinc tread of effective non-skid design.

These tires are GUARANTEED by the MANUFACTURERS, and adjustments will be made by us at any of our eight stores on an UNLIMITED MILEAGE BASIS. If a tire proves to be defective in either material or workmanship, adjustment will be made regardless of how far the tire has been run.

Our Amazing Prices

(Subject to withdrawal without notice.)

SIZE	List Price	SALE PRICE	SAVING
28x3	\$19.50	\$ 9.75	\$ 9.75
30x3	21.25	10.63	10.62
30x3 1/2	27.75	13.88	13.87
31x4	42.05	21.03	21.02
32x4	42.80	21.40	21.40
33x4	44.50	22.25	22.25
34x4	45.75	22.88	22.87

These tires are not "seconds," "retreads," "made-overs," "half-soles" or cheap tires made of inferior material.

This sale includes thousands of tires of other makes—all sizes—both cord and fabric—at startling reductions. Call and look over these tire bargains.

Autoparts Supply Company
80-82 Sixth Street Phone Broadway 5508

Portland
Seattle
Tacoma
Spokane

Yakima
Bellingham
Boise
Walla Walla

NEW CAR NEEDS MUCH OIL
Owner May Have to Grind Valves Often at First.

Because most motor car manufacturers advise using a generous amount of oil in the new engine for the first 300 miles or until the new power plant has a chance to get well "run in," the chances are that the owner will need to grind the valves of his new engine often than he will after the engine gets down to a steady operating basis. Don't think that because the valves get pretty dirty at first and require attention that the motor is going to always be so fussy. Give it a chance to get accustomed to its life work before criticizing it. Everybody knows that a car which has been run about 1500 miles is a better car than one which is brand new and has never been off the salesroom floor.

Rear Axle Noises.
Rear axle noises may be brought about by any one of the following causes: Worn or broken gears; worn differential or pinion bearings; warped gears; misadjustment of the differential unit or pinion; inaccurately cut gear teeth; misalignment of the differential unit and pinion; lack of lubrication; dirt or other foreign matter on the gear teeth; sprung axle housing.—McToll.

Garford MOTOR TRUCKS

You recognize Garford by their appearance, but you value them for their ability to give the Low Cost Ton-Mile.

"USERS KNOW"
Sellwood Drayage & Storage Co. Have Bought Another Garford

Garford Oregon Motor Sale Company
NORTH EIGHTH AND DAVIS

Electric lights, windshields, bumpers, impulse starter, spotlight, power tire pump.

McCracken Motor Co.
Distributors
475 Morrison St. Broadway 93
"We Carry the Parts"

Have proven their Efficiency
Eight Years of Success
Used in U. S. Mail Service

Completeness
1, 1 1/2-ton chassis, solid tires.
1, 1 1/2-ton chassis, cord tires.
1 1/2, 2-ton chassis, cord tires.

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