

STAR AUTOMOTIVE SECTION

Soap and Water May Fail; Use Kerosene

Soap and water sometimes will not remove the grease spots and other marks on the running boards or the floor boards. The best way to clean these is with a rag saturated with kerosene.

FIRST PNEUMATIC TIRES

The first car in the world to be run on pneumatic tires was one built by the Michelin brothers in 1894.

The U. S. postoffice department introduced motor mail wagons in 1894.

Will Rebuild Old Road Into Mexico

The old road between San Antonio, Texas, and the City of Mexico, which was built by the Spanish when they controlled Mexico, is soon to be rebuilt. States through which this road passes have agreed to lend financial aid toward its reconstruction.

THREE-WHEELED AUTO

The Japanese rickshaw is being superseded by a three-wheeled automobile, designed to suit the narrow streets.

Make Foot Rest



A section of a worn tire fastened below the accelerator pedal makes a good foot rest. It enables the driver to control the flow of gasoline easily and prevents leg strain.

Barnyard Stock Has Lost Right-of-Way

Motorists in France have been given more liberal use of the roads by a decree issued by President Millerand. Heretofore, barnyard stock had the right of way along country roads.

Each Auto Used 452 Gallons of Fuel Last Year

Gasoline consumed by the average automobile during 1920 amounted to 452 gallons.

This figure has been reached by the American Petroleum Institute from figures showing the amount of the fuel consumed by the automobiles of 13 states.

In conjunction with the motor car registrations throughout the country, the institute statisticians estimate the total gasoline consumption in the United States in 1920 amounted to 4,015,000,000 gallons. The gasoline output of the U. S. refineries last year was about 4,870,000,000 gallons, showing a surplus of 855,000,000 gallons.

The latest Bureau of Mines report shows that the average daily gasoline consumption for March was 3,200,000 gallons greater than that of March, 1920. Yet the stocks of gasoline increased during March to 713,043,480 gallons, the largest stock of gasoline on record.

HERALD COMING OF CHEAPER, LIGHTER AND FASTER AUTO

The faster, lighter, cheaper and more economical car is in sight.

From London comes the report that the next year's International Tourist Trophy car race, on the Isle of Man circuit, is to be held for cars of from 2,500 to 3,000 cubic centimeters piston displacement over a 200-mile course, and for those of 1,500 centimeters displacement on a 250-mile run.

The recent races at Indianapolis showed the possibilities of the smaller car. The last two races there were for cars of 3,000 cubic centimeters, or 183 cubic inches, piston displacement. In former years, 300 and 400 cubic-inch cars were driven around the course. Yet it has been noted that the 183 cubic inch cars developed as high a speed as the larger ones.

The interest in the British race next June will lie in the 1,500 class.

FREE!!



This FORD Touring CAR



\$100 CASH

HERE

IN MONTHLY PRIZES

All you have to do to win these prizes is to save the vote-coupons of advertisers on these two pages give you with all cash purchases of \$2.00 or more as follows:

\$ 1.00 cash purchase.....	10 votes
2.00 cash purchase.....	20 votes
3.00 cash purchase.....	30 votes
4.00 cash purchase.....	40 votes
5.00 cash purchase.....	50 votes
10.00 cash purchase.....	100 votes

And so on up

\$100 Cash Prizes

WILL BE AWARDED AS FOLLOWS:

First Prize	\$50.00
Second Prize	25.00
Third Prize	10.00
Fourth Prize	5.00
Fifth Prize	5.00
Sixth Prize	5.00

If at the close of the first big contest, December 15, 1921, you have the most votes to your credit, the grand prize of a brand new Ford touring car will be yours.

First of all, clip the coupon below and mail the votes to the Contest Manager, care The Seattle Star, which will give you a dandy start. Then read all of the advertisements on these two pages and see if there isn't something you need. Then go to your friends who own automobiles and get their votes. You will be surprised how quickly you will have several thousand votes to your credit and be among the leaders.

This is an opportunity you cannot afford to overlook, and by all means mail the coupon today and get in on the ground floor.

100 FREE VOTES

This coupon is good for 100 votes toward winning one of the Ford cars and \$1,200 in cash prizes.

Contest Manager, The Seattle Star—
Dear Sir: Please place these votes to my credit in Star auto contest.

MY NAME IS.....

ADDRESS.....
Notice: Contestants are allowed only one free coupon and will not be valid if you have already received 100 free votes.

Hupmobile Touring \$1,000

Run Less Than 10,000 Miles—Looks Like New

MACK-INTERNATIONAL MOTOR TRUCK CORPORATION

1000 Pike. Ask for Mr. Rossbach. Elliott 1101

Auto Tire & Rubber Co.

DARE E. MARRIOT, Pres.
Phone East 2229 Boylston at East Pine

MILLER, UNITED STATES and GOODRICH TIRES and TUBES

COMPLETE LINE OF Motor Car Supplies

START RIGHT WITH MR. TITAN

Start today with the Titan Battery and you start right. You start right, too, because the Titan is an exceptionally well made battery of superior construction and is built for long life service.

Lake Electrical & Machine Co.
1202 Westlake N. AUTOMOTIVE ELECTRICIANS Garfield 4202.
Western Electric Company Distributors—Wholesale Only

A GASOLINE GAUGE

KNOW THE COMFORT OF KNOWING WITHOUT LEAVING YOUR SEAT!
The amount of gasoline you have in your tank. The number of miles your car travels on each gallon. That you get the gasoline you pay for.

PRICE SIX INSTALLED
Simplex Auto Equipment Company
W. V. CARPER, Mgr. East 4483. 1520 10th Ave.

HERALD COMING OF CHEAPER, LIGHTER AND FASTER AUTO

The faster, lighter, cheaper and more economical car is in sight.

From London comes the report that the next year's International Tourist Trophy car race, on the Isle of Man circuit, is to be held for cars of from 2,500 to 3,000 cubic centimeters piston displacement over a 200-mile course, and for those of 1,500 centimeters displacement on a 250-mile run.

The recent races at Indianapolis showed the possibilities of the smaller car. The last two races there were for cars of 3,000 cubic centimeters, or 183 cubic inches, piston displacement. In former years, 300 and 400 cubic-inch cars were driven around the course. Yet it has been noted that the 183 cubic inch cars developed as high a speed as the larger ones.

The interest in the British race next June will lie in the 1,500 class.

GET HEADLIGHTS IN FOCUS, URGE

Company Will Give a Free Device to Motorists

Are you violating the automobile headlight law of your state or county or city?
To remedy this difficulty the Warner-Patterson Co., of Chicago, manufacturers of Patterson lenses, have issued an announcement that a simple focusing device will be sent free to anyone writing the company's offices at 914 S. Michigan ave., Chicago. Or they may be obtained from Warner-Patterson dealers in practically every city in the country.

Simple Gas Saver

Owners of light cars can fit up this contrivance to save gas. Drill and tap a small hole in the intake manifold and screw in a petcock to fit. Attach a rod to reach to the dashboard, so that the cock can be adjusted from the seat. After the engine is warmed up, this cock may be opened to let in more air and cut down the amount of gasoline.

FLIER HOLDS TIGHT

The inventor of a small attachment to plier jaws claims nothing can slip in its grip. It is fitted to pivot or rock so that it may be adjusted to grasp any irregular object.

ALL-ROUND AUTO TOOL

This simple piece of metal has been designed to clean spark plugs of carbon and adjust the spark gap. It is of hardened steel and tapered so as to serve as a thickness gauge.

LAMP CLEANING

The best way to keep the lamp reflector shining brightly is to rub it with a soft clean cloth, always in one circular motion. The least dust or grit on the cloth will scratch the reflector and ruin it for service. The lens should be cleaned the same way.

COLYEAR MOTOR SALES CO.

When worn or broken gears have to be replaced be sure that all replacements are genuine, not imitation parts.

It is the only way to be sure of having quiet, smooth-running gears that will wear.

We can supply your dealer, repair or garage man.

ROAD BULLETIN

BY THOMAS R. BREMAN
WEEK ENDING JULY 9, 1921
GRAVEL ROADS

Head-Des Moines—Good.
Des Moines-Tacoma Highway—Good.
Boston-Boston Junction—Closed for paving; detour by bridge.
Boston-Maple Valley—Good. Regarding at Cedar Mountain. To reach Maple Valley, go via Issaquah and Robert or via Swan Lake, via Swan Lake, via Pipe Line road.
Maple Valley-Black Diamond—Good.
Maple Valley—New road open from Kent east; fair shape; balance of road good.
Woodville-Duvall—Good.
Duvall-Fall City—Good.
Redmond-Fall City—Good.
Redmond-Hollyford—Excellent.
Redmond-Grand Coulee—Fair narrow.
Pacific Highway-O'Brien Bridge—Closed for paving.
Issaquah-City-North Bend—Good.
Issaquah-Redmond—Via Lake Sammamish—Redmond to Englewood rough; balance good.
Stevens Pass Road—Good condition. Open three miles above Skayakish.
Newport-Issaquah—Good.
Newport-Bellevue—Good.
Bainbridge-Franklin—New concrete road two miles from Bainbridge; good gravel beyond; parking prohibited on Franklin bridge over Green river gorge by order of county commissioners.
Abernethy-Black Diamond—New concrete road two miles beyond Auburn; good gravel beyond; also via Soos creek.
Snohomish Highway—Snohomish case open. Road in King county in excellent condition. New concrete pavement 3/4 mile from Renton to Coalfield open. Gravel section closed for paving. Detour via road running east at end of pavement for five miles, thence north to Issaquah.
Stevens Pass (formerly McClellan Highway)—Excellent condition. Open 10 miles beyond Green Water (Enumac) via Kent and to Burn. All roads around Enumac excellent.
Stevens Pass Highway—Portion in King county above Index fair. Due to loose gravel, road is rough in places, but is passable to point six miles beyond Skayakish.
Black Diamond-Franklin—Good.
Bridge across Squamish River near Fall-Load limit, five tons.
Lake Forest Park-North Trunk Connection, via Kent and to Coalfield open. Gravel beyond fair.
ALL FAYED ROADS IN GOOD CONDITION

HENDERSON EXCELSIOR

"The Aristocrat of Motorcycles"

"Always Makes Good"

Complete stock of bargains in used motorcycles.

SPECIAL ACE BICYCLES
Guaranteed Five Years
\$10 Down
\$2 Per Week
Price \$48.50

EXCELSIOR MOTORCYCLE BICYCLE COMPANY
301-303 E. PINE ST.
TELEPHONE ELLIOTT 997

AUTOMOTIVE DIRECTORY

Repairing—Painting—Radiators—Batteries Tops—Electricians—Tires

HALF-WAY HOUSE

James McSwing, Prop.
GASOLINE OILS
700 12th Ave., Cor. Cherry

WICK W. SWARTZ

Harvard and Pike. East 624.
Automobile PAINTING
of the Better Class

HOUK WIRE WHEELS

SALES SERVICE
J. A. Robbles & Co.
Distributors for Washington
Phone East 1417
1431-33 BROADWAY

Standard Tires

30x3 Fabric	\$12.75
30x3 1/2 Fabric	15.00
32x3 1/2 Fabric	18.50
32x4 Fabric	25.00
34x4 Fabric	27.00

Westlake Tire Shop
N. DE YOUNG
2124 Westlake Main 4481

IDEAL REPAIR CO., Inc.

A. D. SCOTT, Mgr.
All Makes of Cars Repaired
By Men Who Know How
Our Packard Service Car Ready,
Day or Night
Shop Open Evenings and Sundays
Front-End-Like Tanks Exchanged
FREE!
East 724. Res. Elliott 2305-J.
1009-1011 E. PIKE ST.

CYLINDER, CRANKSHAFT GRINDING

GEAR CUTTING
Light Weight Pistons
MEDUNA MACHINE WORKS
John F. Meduna, Mgr.
613 E. Pike St. Phone East 715

Don't Get Soaked Every Time It Rains

See Us About a New Top
PICKARD & TRAIL
1125 Pine St. Main 5491.
BETTER FOR LESS

LEAVE IT TO AUTO EXPERTS

Don't tinker or experiment with the delicately adjusted mechanism of your car. Leave that to the men who know and understand. One fatal mistake and your motor may be ruined beyond repair.

SEE US FIRST.
Romano Auto Repair Co.
E. J. ROMANO.
101 Broadway N. Capitol 342.

THE HOOD SHOCK PREVENTER

PREVENT REBOUND
Eliminate Side Swing
Sold by
BIDDISON COMPANY
Agency for State of Washington.
510 Pike St. Phone Main 3181.

TERMINAL GARAGE

Goodyear and Goodrich Tires
Storage, Gas and Oil
Washing and Polishing
Accessories and Supplies
Jackson and R. R. Ave. 0934
ALWAYS OPEN

Stewart

SPEEDOMETERS
BUMPER
SEARCHLIGHTS
HAND HORNS
ELECTRIC HORNS
SERVICE AND REPAIRS
Stewart Products
Service Station
910 East Pike St.

PROMPT SERVICE

Radiators, Fenders, Lamps, Etc.
SEATTLE RADIATOR & FENDER WORKS
ADOLPH BOHM, Prop.
1827 Harvard Ave. East 8046.

THE TRIANGLE ELECTRIC CO.

Automotive Electricians
Stromberg Carburetor
600 E. Pine St. Phone East 6052.

GOOD FOR \$1.00 IN LABOR
On Any Auto Electric System
TRIANGLE ELECTRIC CO.

A BODY AS STRONG AS THE CHASSIS

We build auto bodies to order and build them strong and right. Let us design that new body and we'll guarantee you satisfaction.

Peerless Auto Body Co.
315 Westlake N. Phone 211. 6066

ACCESSORIES

SUMMER TOURING NEEDS
Vulcanizing
UNIVERSITY AUTO SUPPLY CO.
1308 East 45th. Kenwood 0100

AUTO PARTS

Nickel Plated Reflectors
SILVER PLATED
Phone Main 4637
Seattle Mechanical and Electroplating Co.
1311 Fifth Ave.

Ford Motor Co.

Build the best car made for the money. Let us help your car as good as they made it.

"We Know How"
W. A. WALLACE & CO
1210 1st St.
Pine, Between 8th and 9th

VanLUK & BARCLAY

TIRE EXPERTS
Motorists who wish to economize on their tires are invited to call and see us on all kinds of tire repairing. We know that we can save your tire expense at least 40 per cent.

GOODRICH TIRES
Gas, Oil and Grease
Phone East 7307
12th and Spring

Brakes

Exclusively LINING—Wholesale and Retail.
Night Work by Appointment.

Noel's Brake Service
FIRST IN AMERICA.
Phone East 478.
1006-1008 Boylston Av., near Pine

We Maintain High Standard

Our retreads have stood up under the most severe tests, on such as pleasure cars, delivery trucks, packing house trucks, creamery trucks, fuel trucks, etc.

"ASK THE MAN WHO TRIED ONE!"
Modern Tire Builders
East 2315 710 E. Pike St.