

SUNDAY MOTORIST

The Bridged Magazine for Car Owners
EDITED BY WILLIAM ULLMAN

BE CAREFULNESS

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REMEMBER THIS ONE

Less voltage is required to jump a spark across a .020-inch gap when the compression in the cylinders is lower. If the battery happens to be very low, therefore, a better start can be had by opening the petcocks. This lowers the compression and produces results similar to decreasing the gap at the points of each plug.

GAUGING BATTERY WATER

Most motorists simply guess at the proper level of the water in the cells of the battery. They are told to keep the electrolyte at a level of about an inch above the plates; no higher, no lower. But they employ no means of being accurate about it. For this purpose a glass graduated straw is very useful. By inserting one end of it into the cell deep enough to touch the top of the plates, and by then holding a finger over the upper end and drawing the tube out, the exact depth of the water above the plates is measured by the water in the tube.

EAST SIDE HIGHWAY OPEN FROM HARRISBURG NORTH

(Continued from page two)

Hebo (junction of Roosevelt Coast Highway—Good macadam.)
Hebo—Lamson—Part paved, balance good macadam.

TIALATIN VALLEY HIGHWAY

Portland - Beaverton - Hillsboro - Forest Grove - Gaston - Yamhill - Carlton - St. Joseph - Clatskanie - Pave the entire distance. One mile west of Hillsboro.

CLACKAMAS COUNTY

Portland - Sandy - Tualatin - Powell Valley road - which is in good condition to Orient; turn south at Orient one-quarter mile to new highway which is open and gravelled to Sandy.

THE DALLES CALIFORNIA HIGHWAY

The Dalles - Seufert - Paved.
Seufert - Dufur - Macadamized entire distance.

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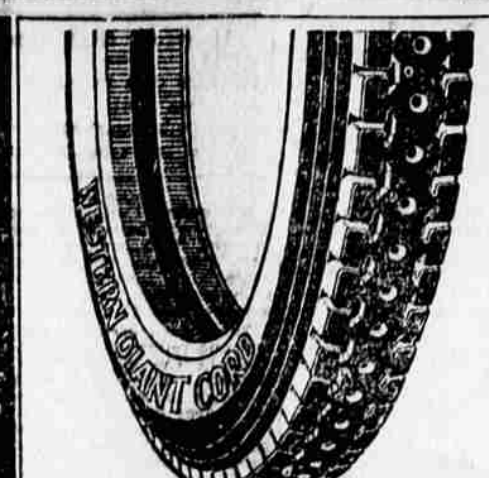
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When It Rains

—you will want tires that insure non-skid protection—tires that hold the wet pavement and reduce the element of danger. WESTERN GIANT Cords give that insurance. The row of deep suction cups and the high, square tread with sharp edges make the tire practically skid-proof.

There are other reasons why WESTERN GIANT Cords are gaining faster in popularity than any other tire in the West. Come in and ask the salesman to point out the many advantages.

Note These Low Prices

30x3 1/2 Western Special \$8.80
Guaranteed 10,000 Miles

CORDS

Size	Standard Gripper (10,000-Mile Guar.)	Western Giant Extra Heavy (2,000-Mile Guar.)
30x3 1/2	8.80	12.65
32x3 1/2	13.60	15.80
31x4	15.55	18.85
32x4	15.90	20.65
33x4	16.85	21.30
34x4	17.60	21.90
32x4 1/2		26.65
34x4 1/2		28.15
35x5		34.30

(Ask for Prices on Other Sizes)

30x3 1/2 Cord WESTERN STANDARD (10,000-Mile Guarantee) \$10.75

FABRICS

SIZE	NEBRASKA 6000 Miles	PHARIS 7000 Miles
30x3	\$ 5.85	\$ 6.80
30x3 1/2	6.90	7.90
32x3 1/2	9.95	10.80
31x4	10.45	11.95
32x4	12.55	13.80
33x4	12.75	13.95
34x4	12.95	14.25

At All "Western Auto" Stores

"I Never Knew"

Often we hear someone remark, "I never knew 'Western Auto' carried such high grade standard quality and universally known Accessories and Parts at prices that are so unusually low." Hundreds of new customers who "never knew" come into our stores each week. Hundreds are agreeably surprised and join the ranks of the countless motorists who are served by the 75 Western Auto Stores. If you "never knew"—come in today and be convinced.

FAN BELTS

Strong and durable, built to withstand long usage; ten kinds from which to choose.

Prices 30c to \$1.90
According to brand and car.

"Hook-on" Belts 35c to 45c
According to model.

McKay's U. S. Tire Chains

The U. S. Chain & Forging Co. claim for their new chains, of which we are distributors, 50% greater strength and durability than the ordinary type on account of a newly discovered process of hardening. According to size, priced, per pair:

\$3.95 to \$10.60
Also a complete line of Cross Chains and Repair Links.

Anco "Hot Spot" Manifold

—for Ford Cars. Guaranteed to cut fuel cost, increase mileage. Decreases carbon, gives more flexibility, greater power and fully satisfy the user. There are no moving parts, nothing requiring constant adjustment. Installed in a few minutes. Price, \$4.85.

Robe Rails

Some in black enamel and nickel plated bars. Others in genuine leather. From 45c. 95c

Driving Gloves

We carry a complete line of driving gloves or gauntlets—in various styles for men and women. Priced from \$2.60 to \$6.50

A Recovering Outfit Makes a New Top at Small Cost

Ford Roadster Rubber Cloth Outfit \$6.45

Ford Touring Rubber Cloth Outfit \$7.65

Buy a WITTE

Save the Difference 2 Horse Pulls 2 1/2
Now \$57.00

Veltum & Clow

Manufacturing Co.
2d and Blair
Lane County Agents
ENGINES IN STOCK

MACBETH LENS

Complies With the Law
A high-grade, well-known lens—it combines scientific construction and beauty. Note the vision in illustration—its color is green.

Per pair \$3.50
Liberty Lens also complies with the law.
Ford Refracting Lens, type II, 50c per pair

Automatic Windshield Wiper

Working from the intake vacuum, the automatic windshield wiper eliminates the bother of continually wiping your windshield in rainy or foggy weather. This cleaner does it automatically.

Hand Wipers 55c to \$2.35

AUTO ROBES

—Wool or Plush

The evenings are so cool that auto robes are a necessity—you'll find a pure wool auto robe is very comfortable. Our special price range from \$8.25 to \$26.75

Glass Rear Curtain Lights

Replace those worn-out and torn celluloid curtain lights with these smart glass lights—they wear better and will not wear or sag curtains. Per set \$1.15 (set of 3 and screws).....85c

Storm Shields

You know how the rain and cold air comes in over the top of the windshield of your Ford. You can prevent this with a storm shield. There 55c and 85c

Rain Guards for Fords

Touring or Roadster \$1.45
Sedan or Coupe 1.55

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BRAKE LINING

For all Cars
"Never-Burn" is a high quality, wear-resisting lining. The price per foot is 25c to 75c
According to size.

Pedal Overcoats

Just the thing to keep out the cool air which rushes up around your brake lever and foot pedals of your Ford. Made of strong fabric and so designed that it snaps securely around the emergency lever handle and the foot brakes. Each complete \$1.10

REAR CURTAIN With Bevel Glass

Add style and distinction to a Ford car. The price of this curtain, including fancy oval bevel glass light, for 1915 to 1922 models is only \$4.25. Same style with plain glass \$3.40. Rear curtains with celluloid curtain lights: 1914 to 1922 (3 lights)..... \$2.45 1922 (2 lights)..... 2.90

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This is 348 "AUTO-TOP PETERSON"

Our line is—
AUTO PAINTING-TOPS & TRIMMING—
97-W-8th STREET.

L. C. Smith & Bros.
Remington Portable Underwood Woodstock Royal Remington Oliver

Long-Time Contracts
Prices Ranging from \$8 Up

OFFICE MACHINERY & SUPPLY CO.
Phone 148—Over Western Union

OHIO HIGHWAY

Hodmond-Prineville—Gravelled road in good condition.
Prineville-Beaver Ranger Station—Gravelled road in good condition for travel.

BEAVER RANGES HIGHWAY

Beaver Ranges Station-Mitchell—New macadam. Open and in good condition.
Mitchell-Daysville (via Antelope)—Open and passable for automobiles except at river crossings.

MEDFORD-CRATER LAKE HIGHWAY

McLeod Bridge-Cascade Gorge—Eight-mile section dirt road. Grading operations under way and road is closed to all traffic during working hours. A detour is provided around construction. However, travel over it is not advised on account of steep grades and narrow roadway.

CASCADE GORGE-CRATER LAKE

Road to Willows Lake) — Road partly macadamized and in good condition. Official season at Crater Lake closed on October 1.

KIAMATH-CRATER LAKE HIGHWAY

Heath-Lamson—Paved. Excellent macadam.
Lamson-Mill-Port Klamath—Under construction. Follow detour signs.

PORT KIAMATH-CRATER LAKE

Port Klamath-Crater Lake—Open and passable.

LA GRANDE-JOSEPH HIGHWAY

La Grande-Island City—Paved.
Island City-Allice—Excellent macadam.

ALICE-RHINEHART

Macadamized work under way; base course completed; road in good condition, but careful driving necessary.

RHINEHART-ELGIN

Old road over hill rough, but passable.

ELGIN-MINAM-LOSTINE

Macadamized and in excellent condition.

LOSTINE-ENTERPRISE

Under construction; turn off at Wade's crossing and take hill road to Enterprise.

ENTERPRISE-JOSEPH

Excellent macadam.

JOSEPH-WALLOWA LAKE

Good condition.

BAKER-CORNUCOPIA HIGHWAY

Baker-Hallway—19 miles macadam; 21 miles graded road, balance fair condition road. New grade on lower portion.

Will Your Car Do This?

At 10 miles per hour stop in 9.2 feet
At 15 miles per hour stop in 20.8 feet
At 20 miles per hour stop in 57 feet
At 25 miles per hour stop in 58 feet
At 30 miles per hour stop in 83 feet
At 35 miles per hour stop in 113 feet
At 40 miles per hour stop in 231 feet

If Your Car Will Not Do This, Look at Your Brakes!

BRAKES INSPECTED FREE

Special Factory Equipment

We have just installed complete Thermoid brake lining equipment that makes your brakes as they were when first put on. It is designed especially for brake lining work. Your rivets do not drag or scrape on the drum. The band is never sprung out of its original shape. You get a more even service—that's what makes your brakes last longer.

Howard Auto Co.

9th and Olive Eugene, Oregon