

# A Page of Interest to Motorists

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FOR QUICK AND EFFICIENT WORK TRY

## CRESCENT TIRE REPAIR SHOP.

New and Second Hand Tires in Stock.  
New Method of Retreading by the Famous Dry Cure System. Section work a Specialty. Call and Get Prices. Work Guaranteed.  
We Repair Tires, Tubes, Water Bottles, and Rubber Coats.  
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Late C. E. F. Engineers  
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## Dominion Auto Repair Co.

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TWO CARS FOR SALE AT A SNAP  
One Chalmers, in good running order.  
One Cadillac Truck, in good running condition.  
Residence Phone 648L.

## TO AUTO OWNERS

Automobile painting and general woodwork. Auto Bodies, Trucks and Wheels Built to order.  
Workmanship Guaranteed.  
**Jas. C. Allan**  
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Vulcanizer and Tyre Dealer.  
Agent for Dominion, Good-year and Maltese Tyres  
RETREADING A SPECIALTY  
Ford Size, \$12.50  
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## Willard

STORAGE BATTERY

### First Cost

We can't compete for battery business on price. Willard service does cost more, so does a Willard Battery. But isn't it true that if you hire a real engineer, or architect, or contractor, or carpenter, or mechanic, or doctor, or lawyer, that it saves in the long run?

We're in business to do the job right the first time—and that costs more than to fix it so it has to be done over again soon after.

When we sell a Willard Battery with Threaded Rubber Insulation we charge more for it, but it doesn't come back for re-insulation with a big bill to you. It stays on the job till it has delivered all the service you bought—and generally a lot more than you'd believe possible.

Try it once—and you'll feel the same as 99% of all who own Willard Batteries with Threaded Rubber Insulation.

Drop in; glad to see you.

## SPARKS COMPANY

Distributors  
COURTENAY NANAIMO



KEROSENE WILL CUT VALVE STEM CARBON  
A very simple way of cleaning valve stems which are under suspicion of harboring carbon deposits is to inject a little kerosene in the air valve of a carburetor while the engine is running. In this way a little of the kerosene finds its way down the valve stems and softens and washes off the carbon. It is no bad idea to do this once a month or so.

### CARR'S GARAGE

CARS REPAIRED.  
Prompt and skillful service Guaranteed.  
Try us with your car.  
Cars for Hire Day or Night.  
Phone 6-6.

### D. J. ROBINSON

Formerly of the Dominion Auto Co. is located at 370 Wallace street, and is ready to execute all kinds of Automobile work.

## REDUCE GLARE BUT RETAIN THE LIGHT

Many prominent Lighting Engineers have sought a solution of the difficulty of glaring headlights with the result that a new invention for which complete success is claimed will soon be on market.

True this has proved a hard problem and the many inventions on the market have not successfully solved it. There has not been any marked improvement in the lighting of motor cars since the lamp manufacturers equipped the headlights with dimmer lamps. The glaring headlights can be overcome by tilting the headlights forward far enough but the result of this operation is that the headlights do not throw the light sufficiently ahead of the car to make night driving safe. The same result may be obtained by frosting or sanding the lens but what motorists demand is a "Non-glare device that gives a good safe driving light."

In searching for a solution of this problem we find that when the lamps in a headlight are properly focused the light leaves the headlight in the following manner. The rays of light from the top of the reflector have a gradual downward tendency to the road and the rays from the bottom of the reflector have a gradual upward tendency and eventually are elevated until they come in the vision of the eyes causing a glaring blindness. These rays will glare at any distance according to the strength of the light. There is also a blindness caused by the direct light from the lamp or bulb which light leaves the headlight at all angles and forms a curtain of light directly in front of the car which prevents a person approaching it from seeing anything beyond the headlights or curtain of light.

Having thus ascertained the source of the glare also the source that lights the road the problem is to reflect the glaring lights on to the road where they will be of use and thus keep them out of the eyes of approaching drivers and pedestrians.

The New York Society of Illuminating Engineers in a report containing recommendations based on scientific tests pointed out that the real solution for the glaring headlights lay in reflecting the glare rays to that portion of the reflector that would deflect them to the road.

An invention has been patented and is now in process of manufacture which eliminates all the glare and gives a good safe driving light to hundred feet ahead of the car. The secret of the success of this invention is a scoop reflector which is directly under the bulb or point of light situated at such an angle that it reflects all the rays having an upward tendency (i.e. the glaring rays) back to the upper portion of the headlight reflector and then deflects them on to the road. It is impossible to deflect the glaring rays that come direct from the bulb on to the road and to control this glare the lens is sanded at that part permitting a diffused light to strike the road without causing a glare. This invention permits two beams or shafts of double strength light to leave the headlights in a downward direction throwing two oval shaped bright lights completely across the road well ahead of the car and a diffused light spreading at right angles thus enabling the driver to see the ditch at all times and to take turns at reasonable speed.

The invention will not only pass any non-glare laws in Canada or the United States but will enable the authorities to enforce non-glare laws and thus be a means of safety and satisfaction to all motorists.

## ADVICE ON CLEANING CAR

The body of the car should be cleaned with castile soap and water. Mud should not be rubbed off, but rather should be washed off by flowing a gentle stream of water over the spot.

This floats the mud off without injury to the polished surface. If mud is permitted to remain on a new body until it dries hard, it almost always leaves a spot; consequently, removal should be immediate.

If spots of road oil get on the body they should be removed by an application of salt butter, which loosens the oil, or by local applications of kerosene.

Be careful not to rub them too much.

The top should not be cleaned with gasoline or similar liquors. Soapsuds and water should be used inside and out. For the upholstery a little linseed oil on a piece of cloth rubbed over it will work wonders.

## CARE OF THE BATTERY

"The one thing most likely to bring your battery to an untimely end is Thirst," says Mr. Sparks, of the local Willard Service Station. "This is so important that it cannot be stated too strongly. The prevention is so easy that no motorist should ever neglect it."

"Look into all cells of your battery frequently, just as you do your radiator; and put enough distilled water into each cell to bring the level of the solution a half-inch above the tops of the plates. When you call at your Willard Service Station for consulting or testing service, they will, of course, add water, if any is needed at that time."

"Your battery cannot be filled with water and then expected to travel on it indefinitely—till every drop is gone. It must be kept filled above the tops of the plates, to allow for the evaporation that will take place. This evaporation is affected both by atmospheric temperature and the charging of the battery; so that the filling should be done frequently, rather than on specific dates."

The simplest and surest means of committing battery murder, is to run it without giving it water. Without water, the plates become hard, and are rapidly overheated by the charging current. This may buckle the plates and completely ruin the battery.

Filling the battery too full, is almost as bad as not filling it full enough. If filled above the proper point, the acid solution will overflow and eat away the wood case, so injuring any part of the car with which it comes in contact.

If the specific gravity of the solution becomes less and less, you may be deceived into believing that the acid has evaporated. What really happens is this: As the battery discharges, the acid in the solution is

absorbed by the plates. If this process continues until the battery is fully discharged, the solution is almost all water. Recharging the battery forces the acid out of the plates into the solution again. Only the water evaporates, and all you need to do is to see that the battery is supplied with distilled water to replace what is lost by evaporation. Never add acid to your battery.

Impurities, either chemical substances or solid matter of any kind will interfere with the proper chemical action between the plates and the battery solution. It is, for this reason, that you should never use any thing but distilled water, which can be obtained at any Willard Service Station.

## A HINT RE WINDSHIELDS.

When attempting to raise or lower the upper half of a ventilating windshield be careful that the shield is grasped at both ends. Do not try to raise or lower it from one side only, because if the glass holder should be a little weak it will result in a broken pane.



## NANAIMO VULCANIZING WORKS

IRVING'S, 61 Bastion Street.



## OVER THE HOLIDAYS

You will find many uses for your car. At such times you will want to be sure the Tires are in good condition.

Why not have us fix them up for you?

We are Experts in Tire Vulcanizing. Come to us for prompt and satisfactory work.

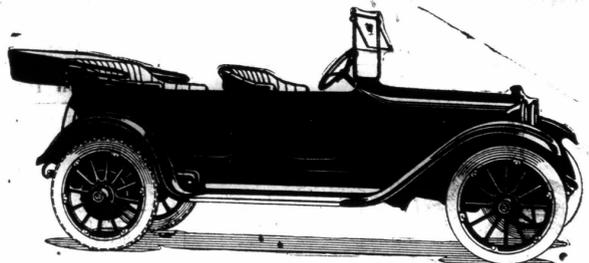
## ELCO TIRE SHOP

Jean Le Coque, Prop.  
Nicol St., Opp. Fire Hall

We are equipped for the salvaging of Chains as well as Tires, so don't throw away your Chains simply because they are worn thin or broken. We carry the repairs and can supply you with Cross Chains of the Wood quality, or will put them on at a nominal charge.

Tire Repairs, Auto Accessories, Gas, Oil, Etc.

# CARLOAD



## JUST ARRIVED

If You Contemplate Buying a New Car This Spring Look Over the Dodge Before Making Your Purchase

### DODGE BROTHERS MOTOR CAR

Price Only \$1935

# Auto Transfer Co.

TOM WEEKS  
Wallace St. : : Nanaimo, B. C.



THE UNIVERSAL CAR

There is a limit to the performance of all motor cars.

But, the Ford goes on when other cars are mired; the Ford travels roads that other cars cannot travel.

The Ford turns in and out and around where other cars are blocked.

The owner of a Ford gets a motoring service that is possible only with a Ford.

Coupe, \$975; Sedan, \$1175.  
(Closed models have Electric Starting and Lighting).  
Runabout, \$650; Runabout with Electric starting and lighting, \$750. Touring, \$690. Touring, with Electric Starting and Lighting, \$790. Standard Chassis, \$625; One-ton Truck Chassis, \$750.

These prices are F. O. B. Ford, Ontario.  
All prices subject to war tax charges except Truck and Chassis.

## Sampson Motor Co.

Front Street Nanaimo, B. C.

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**McA**  
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Phone 180 A

LAND REGIST  
Section 2  
In the Matter of part 8  
less of Lot 70, NANAIMO  
Proof having been fi  
of the loss of the Cer  
No. 21621 to the  
lands in the name of  
May and Dorothy M  
date the 15th day of  
hereby give notice of  
the expiration of one  
from the first public  
issue to the said Edwa  
and Dorothy May a free  
Title in lieu of such lo  
Any person having  
with reference to such  
is requested  
with the undersigned.  
Dated at the Land  
Victoria, B.C. this 27  
ber, 1919.  
FRANK S  
4-1m Registrar-Gen

Regular Meetings  
V. A. are held every  
ing in the Associat  
7.30 o'clock.  
C. M  
Sec.

WHEN IN VAN  
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wharf.  
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Formerly of Lotus HO

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