THE COURIER, BRANTFORD, CANADA, SATURDAY, MARCH 24, 1917.

Do You Have Trouble With Your Carburetor?

Some Hints as to How Car Owners May Save Themselves a Great Deal of Trouble a Great Deal of Trouble

How many times have you driven provided with a choking device for to a garage with the car jerking cutting of air where admitted to the d bucking, asking, as you enter, carburetor, this means of enriching good mechanic who knows the mixture should be tried to prove carburetor? to your satisfaction that the trouble thing times you drive away with a is caused by a stoppage in the sys-and sometimes you cry ven-tem rather than by a mixture confor the mechanic who sent dition. This will prevent needles. tampering with the carburetor. away without fixing the trouble.

onever a car develops a sudden Other causes of backfiring often confused with carburetor troubly air bubbles will rise from the hole may be attributed to an intake valve even if it be invisible to the even the carburetor is invariably first object of attack, for even if carburetor is not the direct source sticking open. This permits the ex-rouble it is the victim of the aver- haust gases to leak into the inlet. When the trouble is acmanifold and explode or burn the lriver.

ly elsewhere the carburetor has to gasoline in the carburetor. This ofy along with its new adjustment, good, bad or indifferent. A few out, on fire. This condition may be may help you to solve serious apparent when the car is running bad trouble, even if the car refuses idle. Placing the spark plug wires or run. on the wrong plugs will cause ex-

plosions to take place in the cy-linders when the intake valves are One of the most common carburer troubles is backfiring. Let us asdriven several miles you reach a nice low. While not so common as the to the point necessary to shut off the air suction which creates the vacu-stretchoof road in the country and are above, poor distributor condition; in you ignition unit, be it a battery un. You tear along at a high speed tempted to open her up a bit. Every-hing is lovely, the speedometer reads thirty-five miles an hour, and you are jump across the distributer so as to fire a charge of gas in two cylinders ed to the brim. bout to skim to the top of a long

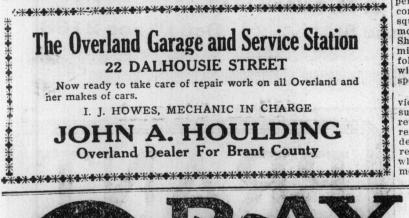
nill, when much to your disgust, you open firing back through the car-burgetor hear a muffled pop under the hood. The carburetor makes a loud, though We will now pass to the other High speeds may consume this exburetor.

extreme—too much gasoline or too ccss gasoline, but slow down on a rich mixture. This will first be hill or stop for traffic and then afshort spitting sound at the same time. You are forced to slow down, and alnoticed by lack of power in the en-gine, even if it be firing perfectly will stall. The self-starter will not hough the car picks up again it will perform the same way on the next long hill. To the experienced driver this means too lean a mixture at high speeds and the trouble can surely be the median by condition watch the exhause from the trouble will not ignite, if you know tain sign of too much gasoline, and towed home. Disconnect the sucremedied by opening the gasoline needle valve a little more, or, if the if the fumes be confined in a room ar has a jet, by substituting a larger without ventilation smarting of the eyes and tears will result. Wate: for this black smoke and avoid tha

Should the carburetor backfire in this manner when the car is being driven at a slow speed and no recent adjustments have been made the lack unventilated garage for small, death has resulted in several cases from inhaling these fumes of imof gas may be caused by a partial stoppage in the gasoline line or jet. perfect combustion. This caution may be entirely ignored when out in stoppage in the gasoline line of jet. The presence of even a small quantity of water in the gasoline will cause a decided popping and spitting in the carburetor. Water will entirely shut the open. Do not confuse blue-gray smoke, a sign of excessive lubrication. with the distinctly black smoke from a rich mixture.

off the gasoline, which it displaces as the drop of water passes through the Leaky Floats Late ignition will also rob a car of its power. Be sure that the This condition will sometimes be very apparent when quickly accelerleather coupling in the magneto drive has not stretched and that the ating the motor even if the car is standing still. breaker box is being advanced when Sticking Valves the spark lever is advanced. These

Since the average car of to-day is points should be noted before you



touch your carburetor. Closely a-kin to a rich mixture is the flooding carburetor. Here, again, dirt gen-erally causes the trouble. Grit or waste, no one seems to know where it comes, often lodges under the needle valve, preventing the shut-

The function of a float is to shut

off the gasoline when it has reached its proper level in the carburetor. If the float leaks it will not shut off the gasoline and flooding certainly will result. If you suspect the float of leaking remove it and shake it to see if any gasoline is inside. suming that your float leaks and that you wish to find the hole, submerge the float in hot water. This will expand the air in the float and

Enlarge the hole to drain out th gasoline, and solder. A large percentage of the new car and equipped with vacuum tanks, and in spite of the fact that they

have many troubles in common with a carburetor they are excellently filling a long felt want. Here again look out for a leaky float and dirt. If the float in the open and the same results may fol-vacuum tank leaks it will not rise or magneto, might cause a spark to for several miles, but in the mean

at once, the one with the inlet valve The continued suction of the mo

dier

tion line from the manifo-1, open the petcocks and expel the excess gasoline and the motor will start. Leave off the suction pipe until you

get home and rectify the trouble in the vacuum taux.

Improved Carbureters.

In closing here are a few don'ts: Don't expect to avoid these troubles unless you are willing to strain your gasoline. Don't expect too much from an old carbureter designed for 76 gasoline when you are using 54. Get a

new carbureter. Don't neglect to have the inlet valves a snug fit in the cylinder guides, since any unnecessary clearance here will mean the sucking of pure air into the cylinders.

Don't fail to have all gaskets now. deaths would have been heralded far and wide, now they suffer in silence. perfectily airtight fit on all manifold connections. To test these gaskets, Do you wonder that I am mad to get squirt gasoline on them while the motor is running throttled down. at these Huns again? My business is Should there be any leaks the ad-mission of gasoline into the manifold through the defective gasket will immediately change the engine sources, without money, without food except that given her is the speed

Don't be too eager to install a de home of seven million starying mor tals. Will you help? Send you vice to save money on gasoline con-sumption until a competent carbutals. Will you help? Send your money to the Belgium Relief Comreter you have needs this help. A device which may help a poor carbu-reter will ruin the action of one mittee, 59 St. Peter St., Montreal, or to the branch of the committee nearest you. It is needed to-day. which is perfectly designed and 40 more harm than good.

CONTRIBUTIONS

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