

MINE FOREMAN WAS HELPLESS

HARRY SCOTT, ARIZONA BOSS, DECLARES HE WAS DOWN AND OUT

Harry E. Scott, a well known mine boss, whose address is Box 652, Tombstone, Arizona, writes: "I was down and out nearly all the time with rheumatism and finally got to where I couldn't move even to feel myself. My wife thought I would never get well again, and she knew my condition better than anyone else. I was absolutely helpless when my wife started giving me Tanlac and in four days I ate a hearty meal for the first time in many months. Tanlac put me on my feet and I'm back on the job working hard and feeling just fine. I have gained eighteen pounds in weight too." Tanlac is sold in Charlottetown by Boddin Bros and by leading druggists every where.

Hints for the Motorist

By Albert L. Clough Editor Motor Service Review of Reviews

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The Electrical Fire Hazard

Defective Insulation Creates Most of It

MOTOR CAR STORAGE battery. If allowed to discharge through a short-circuit, will produce a current of four or five hundred amperes for a short time and such a current is of great thermal effect, capable of heating a small wire red hot or even of melting it. Short-circuits are therefore likely to set cars on fire and should be most carefully guarded against. Lighting circuits and sometimes horn and ignition circuits are quite generally protected against excess currents by fuses or circuit breakers, but on some cars there are no such safeguards and there is never any such protection for the starting motor circuit or in the main cable that leads from the battery to the fuse panel or circuit breaker. The use of armored conductors greatly decreases short-circuiting and fire danger, which is at its height where unarmored conductors with oil soaked rubber and fabric insulation are used, the most common start of a fire being at a point where insulation has worn off by rubbing on grounded metal, the heat produced at the point of short-circuit setting the oily insulation into flame and the blaze communicating to other combustible parts of the car. The use only of conductors with non inflammable coverings; the protection of wires from being chafed by metal parts and the keeping of conductors and their immediate vicinity free from oil and grease, are the best safeguards available.



GEARS LOCK IN MESH

W. L. H. writes: The transmission of my car gives trouble by locking in high gear or occasionally in second speed, when the position of the shifting lever indicates that the gears are in neutral, this being especially likely to happen when the car is stopped. The bearing of the clutch shaft is slightly loose, could this cause the trouble? What else could do so?

Answer: It would seem that the shifting mechanism must be at fault, for any ordinary bearing looseness would not account for it. Evidently the lever loses connection with the selector that slides the high and second speed gear and it slips into neutral, without actually neutralizing this gear pair and there is probably something wrong with this selector, the shifting fork or the slide upon which the shifting fork is carried. Some of these parts may have been sprung or become badly worn or something may have worked loose. If you will remove and examine the top section of the transmission, which contains these parts, we think that the defect will show up.

LEAKY BATTERY CELL. W. F. H. writes: My battery, which is almost new, seemed to leak in one cell as indicated by its taking much more water than the others. I had it examined with the expert, but there was no leak, but since then the cell which originally seemed to leak has stopped going so and one of the others now requires an unusually large amount of water. If the cells do not leak

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Leaky Spark-Plugs

They Make An Engine Idle "Raggedly"

LEAKAGE MAY OCCUR either between the cylinder block and the shell, in the case of separable plugs. Leakage at the former point is generally caused by the copper gasket not being screwed in firmly enough, by the failure of the copper gasket having been damaged or flattened out in use and lose their yielding nature, or by their renewal rather frequently necessary and coarse grit on the gasket will often make it leak. Leakage through the plug itself is usually caused by a worn out gasket between the core and the shell or by the parking nut that compresses the jacket, not being tight enough. When the external part of the jacket is found covered with oil, it is evidence that the plug is not tight and if oil squirted around the base of the plug, it is seen to bubble, when the engine is running, considerable leakage is occurring. Such defects, if bad enough, cause disagreeable chipping sounds, and create air leaks, which make the cylinders affected misfire at low throttle, thus preventing regular idling and smooth running at very slow speeds. Priming cocks with faulty valves and valve caps not properly seated on their gaskets are objectionable in the same way.



RENEWING CAM-SHAFT BEARINGS

I. McCa. writes: The cam shaft of my engine is slightly loose. How can this be corrected? Is this a job that I can do myself?

Answer: This cam-shaft runs in three bronze bushings held in brackets cast in the upper crankcase section and, if these bushings are worn loose, the bushings will have to be driven out and replaced with new ones obtained from the factory, which will probably have to be reamed to fit the shaft. To remove the shaft the radiator and timing-gear cover are removed and the thrust collar on the shaft, at the center bearing, loosened, when the shaft can be drawn out forward, after the valves are removed to free the push-rods. Unless the engine is practically disassembled, we fear that it would be impossible to drive out the cam-shaft bushings and fit the new ones. This job is one which would be difficult to perform without a good shop equipment and considerable mechanical skill and, as it involves starting down the engine almost completely, it should be deferred, if possible, until a general overhauling is undertaken.

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MR. J. E. SINCLAIR declared at every meeting that part of the war expenditure was not accounted for. MR. SINCLAIR drew \$8,000 during the last two sessions and never opened his mouth on the subject. Is that a man to represent us?

how can so much water disappear? Answer: It may be that, when your battery was taken down for examination, the jar which did actually leak was not replaced but when the battery was assembled, the cells were interchanged in the case, so that the leaky cell is not in the position which it originally occupied, thus giving the impression that another cell is leaking. We suggest that you have the battery examined by someone else next time. The evaporation from each cell should be about the same and any great difference in the amount of water required is pretty good evidence of leakage.



BRAKING WITH ENGINE CLUTCHED IN

L. A. asks: Is it true, as I have been told, that under no circumstances should the brakes be put on, when a car is in gear and the clutch engaged?

Answer: This is a perfectly good general rule, but is subject to this exception: so long as the engine is fully slowed down and is holding the car back instead of propelling it when car speed has been reduced to that corresponding to the minimum engine speed, there should be no further brake application. Permitting the engine to retard the car as soon as possible, reduces the amount of braking required and prolongs the life of the brake linings.

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TL TIRES ARE THE BEST



No. 29



No. 30



No. 31



No. 32

The above four pictures may look easy but a mistake can be made. Competitors will find the list of Post Offices from which the pictures are selected a great help. See 2nd items of terms of contest.

TERMS OF CONTEST

The contest is open to any member of a family one of whose members is a subscriber to either the Charlottetown Examiner or The Family Herald and Weekly Star of Montreal.

A list of approximately 2,000 Post Offices in Canada from which the fifty rebus pictures will be selected will be sent, free to any contestant, who, before December 1st, 1921, sends one new subscriber to either the Examiner or The Family Herald and Weekly Star. It will also contain a blank form on which to fill in your answers and hints to help you arrive at the correct answers. A self-addressed stamped envelope should be sent with the new subscription for the return of the printed list.

One NEW subscriber to either the Examiner or The Family Herald and Weekly Star sent in by a competitor will take the place of one incorrect answer in the competition, thus 49 correct answers and one NEW subscriber will count as 50 correct answers or 50 points.

Two NEW subscribers to either paper will take the place of two incorrect answers, thus 48 correct answers and two new subscribers will count as 50 correct answers.

Three NEW subscribers to either paper will take the place of three incorrect answers, thus 47 correct answers and three new subscribers will count as 50 correct answers.

Four NEW subscriptions to either paper will take the place of four incorrect answers, thus 46 correct answers and four NEW subscriptions will count as 50 correct answers.

Five NEW subscriptions to either paper will take the place of five incorrect answers, thus 45 correct answers and five NEW subscription will count as 50 correct answers.

Five NEW subscriptions to either paper will be the limit to be credited in the competition. This places all contestants on an equal footing.

Fifty correct answers and five NEW subscriptions to either paper will be the highest points obtainable.

Four pictures will be published each week simultaneously in the Charlottetown Examiner and The Family Herald and Weekly Star. Answers MUST NOT be sent in until the 50 drawings have appeared in both papers. Ample notice will be given.

Shutting Out Canadian Products

The United States Emergency Tariff is fulfilling the expectation of those who framed it, that is to say, it is protecting the farmers of the United States by shutting out Canadian farm products. The figures of our exports of these products to the United States for the last four months, compared with the same period last year, should be carefully studied by every Canadian farmer. They show that our exports dropped from \$31,228,208 to \$12,770,040. The following are the figures as respects the most important items:

ITEM	June 1 to Sept. 30, 1920	June 1 to Sept. 30, 1921
Barley	\$ 162,167	\$ 572
Oats	1,647,112	254,660
Rye	376,828	13,55
Wheat flour	1,059,697	119,224
Potatoes	1,060,198	159,475
Maple Sugar	1,457,450	44,224
Hay	1,746,928	153,491
Cattle, one year old or less	737,737	99,391
Cattle, over one year	6,460,134	293,988
Sheep, n. o. p.	603,260	208,988
Butter	2,184	28,489
Swine, n. o. p.	1,907,393	109,047
Cheese	84,512	6,821
Milk, condensed	1,078,548	188,618

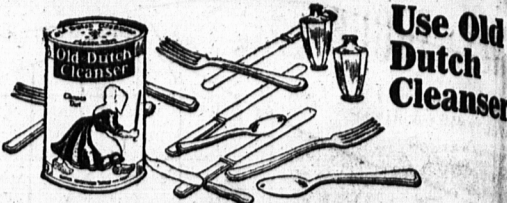
How in the name of Heaven Mr. Crear and Mr. King, in the face of these facts, can continue to advocate their policies of allowing the United States farm produce to come into Canada free of duty is beyond comprehension. Their attitude is so absurd that one wonders whether they are capable of sane thought in Tariff matters.

ABRAHAM LINCOLN ON THE TARIFF.

I do not know about the tariff but I do know that when we purchase goods abroad we have the goods and they have the money; but when we buy goods manufactured at home we have both the goods and the money.

ABRAHAM LINCOLN

Jas. Murdock, formerly of the Board of Commerce but now a Liberal candidate, has been trying to exploit his former office for the MacKenzie King clique. W. F. O'Connor, K. C., Chairman of that board, most cruelly busted all Murdock's arguments and described him as a "Roorback". But after all ain't the whole MacKenzie King combine a tribe of Roorbacks?



Use Old Dutch Cleanser

Clean and Scour

your cutlery with Old Dutch. Removes all stains and tarnish quickly—easily. Gives them a bright clean polish. Contains no caustic or acids.

Made in Canada

KNOW CANADA CONTEST

Two Thousand Dollars in Cash Prizes

Open to Every Reader of The Daily Examiner

The contest consists of fifty rebus pictures representing fifty Post Offices in Canada. Begin today with Nos. 21 to 24—the first twenty may be had free on application to this office.

The contest is conducted by The Examiner and the Family Herald and Weekly Star of Montreal. A year's subscription to both papers at regular rates would cost \$ W. offer them for one year each for only \$3.00. Can you solve these four rebus pictures representing four Canadian Post Offices.

Do you want another Motley Horde of Greedy Officials Hounding you for Direct Taxation? That's what the Liberal and Progressve Tariff Policy means.

BETWEEN THE LINES

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- Young Canada (for 1921)
- Chums (for 1921)
- Chatterbox (for 1921)
- Blackie's Children's Annual.
- Canadian Boys Annual.
- The Tiny Folks Annual.
- Mother Goose Stories
- Mrs. Strang's Annual (for Girls.)
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How to Make Glossy Fox Fur

Feed animal offal, the natural Fox feed. For Sale By

The Island Cold Storage Co Limited Charlottetown, P.E.I.



Look and see the Horde of official heelers the Bell Government's Direct Taxation called into existence. Then try and visualize the Horde which the Crear-King scheme would involve.