

XLIV. No. 47.

**GASOLINE HAS VERY TREACHEROUS NATURE**

Known Authority Emphasizes Need of Greater Care in Handling This Commodity

Gasoline might be described as a most of many-sided peculiarities and... It is three times heavier than air, and consequently will float along the surface of a stream, and if it comes in contact with a spark or open flame it will ignite and flare back to its source. It has been known to trickle down a gully on the side of a hill some 200 feet, and after igniting at the bottom, the flame ran up the side of the gully and ignited the container.

You will know that you must have proper mixture of gasoline and air for your combustion chamber before the engine will function. If the engine is flooded with gasoline the ignition system will have no effect on it, and neither will you get an explosion if there is too much air; you may get a back-fire from a poor or thin mixture.

**Proper Mixture Necessary**  
In other words, you must have a proper mixture of gasoline and air to prevent explosion. In a hundred parts of gasoline and air there must be not more than 14-10 per cent. of gasoline and not more than 6 per cent. of gasoline vapor to produce an explosion. You will, therefore, see that while the margin in which an explosion will occur is small, it is only the foolhardy who will take a chance with such an inconstant and changeable mixture.

**Commercial Necessity**  
I am not a calamity howler, and do not wish you to think that I am criticising untimely conditions which exist in this very important and ever-widening channel of commerce. Gasoline must be treated as a commercial necessity in these days of automobiles, aeroplanes, tractors and stationary internal combustion engines. It is, however, of vital importance to all business interests to see that this dangerous liquid is properly handled and stored in a safe and common sense manner. Gasoline and its derivatives are used largely in the arts. For dry cleaning purposes, explosive or hazardous element out of it, but its greater commercial utility as a dynamic power is thereby destroyed. Remember that wherever there is gasoline there is danger. If, however, it is handled in an intelligent manner and used with judgment and proper care it is perfectly harmless.—(George Lewis, Ontario Fire Marshal.)

**EDUCATION PAYS**  
We have boys and girls all about us who left school or are leaving school as soon as they are able to earn a few dollars by working. They believe this is the quicker way to earn money. And it is such money as they earn. But as they grow older—as they get along in years and experience—they regret not having finished their education when education was easy. The cash value of a 4-year high school course is \$33,000 and the cash value of a 4-year college or technical training course is \$72,000, according to a recent study by Dean Everett W. Lord, of the College of Business Administration of Boston University. Dean Lord has issued charts showing the maximum earnings of the average untrained man, as compared with those of the high school graduate and of the college or technical school graduate. The untrained man, he finds, begins work at 14, reaches his maximum income at 30, receiving on the average less than \$1200 a year, and has earned by the time he is 60, about \$45,000. During the four years that would have given him high school education he earns not more than \$2,000. The high school graduate goes to work at 18, rises to a maximum income of \$2200 a year at 40, and has earned by the time he is 60 about \$78,000. By remaining four years in high school, he has at an immediate loss of \$2,000, increased his total earnings by \$33,000. The college or technical school graduate begins at 22, rises to a maximum of \$6,000 at 60, and earns in all about \$150,000.

**NEW SENATOR**



Hon. Dr. Beland, Minister of the Department of Soldiers' Civil Re-establishment, who has been elevated to the Senate.

**THE TRAGEDY OF MAN**

Long, long ago,  
Ere these material days,  
Ere man learned o'er much for the golden glow,  
Of Love's divine amaze;  
Ere faith was slain; there came to this sad earth  
A high, immortal being of source divine,  
And, mingling with upward climbing life,  
Like crystal water in some fevered wine,  
Wakened in one red blood mysterious strife,  
Knowledge of good and ill, and that sad birth  
Of splendour and woe for all who yearn and pine.

And this is why,  
Down in the craving remorseful human heart  
There doth remain a dream that will not die,  
An unassuaged hunger, that o'er the smart  
Of sorrow and shame and travail clamours eterne  
For some high goal, some vision of being supreme,  
Life doth not grant, earth doth not satisfy.  
This is the secret of the heart of man  
And his sad tragedy, his godlike powers,  
His summer of vastness, and the wintry ban  
Of all his greatness high which deity dowers.  
Sunk to the yearnings of goat-footed Pan;  
Hinted of Shakespeare and that mighty clan  
Of earth's high prophets, who in their brief day,  
Holding the glory of the god in them;  
Though chained to cravings of the lesser clay,  
Dreamed earth's high dreams and wore love's diadem.

**A BUSINESS GOVERNOR**

The names of several junior royalties, generals and admirals have been suggested in England as successors to Lord Bynng in the governor-generalship of Canada. Fancy rather than suitability has apparently inspired these nominations. General Bynng has been an unusual success, because he is a man of unusual ability and understanding. He is something of a constructive statesman as well as a resourceful and efficient soldier. The knowledge he has gained of Canadian and American life, opinions and aspirations, in his experience here, will make a man of his type a very great actor in Imperial affairs. If he will, on his return to the Mother Country, devote his life to Imperial development, he can build up a record greater than his very brilliant military career.

Britain's and Canada's hope lies in the consolidating and perfecting of the Empire through preferences to complete free trade. That is a statesman's job, and especially the job of a resourceful man who has made his own way, preferably in the broad business world. Men whose way has been made for them by their fathers or families or who stepped into a perfected military or naval organization are seldom successes in business building.

The establishment of the empire on a solid foundation has not progressed despite the incapacity, inexperience and ignorance of business conditions within the empire on the part of Imperial statesmen. Colonial governors should be selected from the successes among the younger business statesmen, who would be a trade, not a social, political or military link, with the heart of the empire both during and after their term of governorship.

**A CYNIC SPEAKS**

Griggins: "Poor ol' Bill. He's got weak eyes."  
Truthful Tom: "Well, what can you expect? They are located in a weak place."  
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**SANITARY ASPECTS OF FARM WATER SUPPLY**

It is a well-known fact that with the introduction of public water supplies in cities and towns which had previously been dependent on domestic wells, the death rate from typhoid fever, the most serious of water-borne diseases, has decreased to a remarkable extent.

In out country districts, however, where the scattered population makes the establishment of a public water supply system impossible, the farmer is forced to depend upon his own domestic source, which is, in most cases, the shallow well. That such a well can be a source of positive danger from typhoid, dysentery, diarrhoea and other disorders has been amply proven, but still many farmers do not realize fully the importance of a pure unpolluted water supply, or the danger to their families and their stock lurking in contaminated water.

The location of the farm well is frequently faulty and denotes a lack of knowledge of the danger to health from water when there is any chance of drainage or leaking from such sources of pollution as barnyards, cesspools, privy, manured fields, sink drains, etc. Not only should the well be placed at a reasonable distance from such sources of filth, (say 40-50 yards) but also, if possible, on a higher ground. The more porous the ground, the greater should be the distance from any contaminating source.

Even when the well is removed from any source of pollution, the ground water should be made to filter through at least 12 to 15 feet of soil before entering the well. Soil tends to remove germs and impurities from surface washings. The water, however, should be made to really filter through the soil by insuring that the sides of the well, for a depth of 12 to 15 feet, are tight and impervious to water. The top naturally should be so constructed that no contamination can possibly enter. Water may be seriously polluted without showing this by its taste or appearance. A bright, sparkling water is by no means a guarantee of a pure supply.

When, however, water from a well becomes cloudy or turbid after a heavy rain, there is evidently some defect, for this condition indicates that surface washings are entering without proper filtration.

The Divisions of Bacteriology and Chemistry at the Central Experimental Farm will analyze water samples submitted by farmers living within a reasonable distance. Application for instructions as to taking the sample should first be made.

A. G. Lochhead,  
Dominion Agricultural Bacteriologist.

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**D. A. R. Time-table**  
The Train Service as it Affects Wolfville  
No. 96 From Kentville arrives 8.41 a.m.  
No. 95 From Halifax arrives 10.10 a.m.  
No. 123 From Halifax (Bluenose),  
arrives 11.20 a.m.  
No. 124 From Yarmouth (Bluenose),  
arrives 1.59 p.m.  
No. 98 From Yarmouth, arrives 3.12 p.m.  
No. 97 From Halifax, arrives 6.12 p.m.  
No. 99 From Halifax (Mon., Thurs.,  
Sat.) arrives 11.48 p.m.  
No. 100 From Yarmouth (Mon.,  
Wed., Sat.), arrives 4.13 a.m.

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