W IRWIN, Editor and Proprietor

DURHAM, SEPTEMBER 23 1915.

OUR FUTURE SCHOOL NEEDS

The attendance at the School this term is over a hundred, with more to follow. This leads us to doubt whether the new school will be large enough when completed to meet the requirements. If additions have to be made in the near future it will give the building a patchy appearance, and perhaps interfere with the heating and other conveniences. If Durham is bound to keep on growing, and the young population growing in proportion. the need for more accommodation will be felt perhaps sooner than we expect it. To build for the future, by building large enough, is a good plan generally. Durham is almost sure to expand in area. and the population should increase in even a greater ratio. We want a big army of recruits growing up to fill the gaps caused by those who drop out forever. We want a natural increase, and not have to depend for population on the importing of all kinds of stuff. We want a "Born in Canada" population, even if we have to pay higher school taxes to educate it

WE MUST ECONOMISE

We may all need to practise economy and this can be best done as suggested by a prominent citizen by denying ourselves the lux- France. uries in which some have indulged citizen in question thought many to reinforce the 3rd Brigade. easily be cut out. There is an ele- 5th Royal Highlanders, with about ment of good sense in the sugges- 100 other fellows from the old tion, and especially in the buying 23rd. On May 10, the 3rd Brigade of useless cards and other articles which is composed of the 13th, during the festive season. It seems 14th, 15th and 16th Battalions, hard, however, for the poorer peo- was ordered into action near Fesple to deny themselves the pleas- tubert ,and that was my first inures of sending little presents to troduction to war. The 13th went their friends at Christmas, while into reserve trenches under shell with their usual indulgences.

poor people to try, even in a small poor fellows lying dead back of measure, to follow the example of the trench, with every now and ery season sees hundreds of dol- them and blowing the bodies lars spent in useless truck that pieces. We buried them all might better be devoted to other night, and had two killed purposes, and the changed condi- five wounded before morning. The of economy.

by following his advice along ecoannual saving of \$292,000,000.

is made. Think it over, dear reader, and consider the advisability of being one to try the simple experiment.

A GREY TOWNSHIP CASE

Edward Woods of Ethel was fined \$100 and costs, or three months in jail by Judge Doyle, for aggravated assault upon Wm. Eckmeir also of Ethel. The case arose out of 14 of Eckmeir's cattle getting into Woods' field. Woods impounded the cattle and Eckmier called a fence-viewer, who decided that Woods' fence was to blame and he had to pay \$14 for the release of the cattle impounded Woods then assaulted Eckmier, who is 70 years old, and beat him first heard the case and sent a muddy, hungry and tired com-Woods up to Goderich. The fine was paid.-Fordwich Record.

We don't understand law, but our impression was that a man owning cattle had to fence them in and keep them at home, and that the other fellow wasn't supposed to build a fence to keep his neighbor's cattle out. Our ignorance refers only to the nature o Woods' fence, and not to the offence, for which he may not have been taxed high enough.



sale.





How the Government twelve million-dollar aid affected the Western Farmer

IN THE FESTUBERT FIGHT

Mrs. Wm. Linnell of Summerberry, Sask., and formerly of Orchard, when I am resting. Good-bye for friends at Orchard. recently received the followings now and write soon. I am, your letter from her son. with the loving son, Joe. Canadian forces in France:

Dear Mother,-I suppose vou would like to hear about some of my experiences since coming to

I left Folkestone, England, too lavishly during the past. The the second of May with a draft of the Christmas presents might was drafted to the 13th Battalion. their richer neighbors may go on fire, and I won't forget that night in a hurry. The first sad It isn't well, however, for the sight to greet me was about 60 those in better circumstances. Ev- then a shell dropping among

tions may impress upon all the Germans shelled us all the next necessity for a more rigid species day and we had a number of casualties, but worse was to fol-Of late the Hon. George E. Fos- low. At six o'clock that night we ter has been delivering able and were to advance, so you can imagtimely addresses on the subject. ine how nervous I felt. We had and the world would be benefited to advance along a road under a perfect hail of shell fire and evnomic lines. Take, for example, the erv now and then a man ahead population of Canada which, at would stagger like he were sick, present is about eight millions. If and fall over beside the road. As each one should save, from useless we neared the German trenches expenditure the small sum of 10c. we were met by machine gun and daily the yearly savings would rifle fire. The 16th had charged astonish the most of us. Just take through an orchard with a numout your pencil and figure it up ber of small forts in it and we had for yourself. Ten cents a day on to extend to their right and dig a population of eight million ourselves in and then hold the powould mean \$800,000 a day, or an sition that had been gained at so terrible a cost. I never worked That's more than we spend on so hard in my life as I did that war at the present time, and ten night digging the trench. We cents a day on each individual is were only about 40 yards from the the basis on which the calculation German first line of trenches. They kept sending up starlights and worrying us with rifle fire all the time. The Captain in command of my company (No. 2), was wounded, the lieutenant of platoon and my section commander were killed that night, besides a lot of men. However, next morning found us in a well protected trench, but short of rations and water. It was next night that the Germans made a counter attack. which we repulsed. The fellow next to me got a bullet, either a dum-dum or explosive, through his head, and his brains spattered all over my tunic. It rained all the next day and then we were relieved at seven o'clock at night by the 3rd Battalion, 1st Brigade. severely. Reeve Leckie of Brussels | We marched back to rest billets,

> floor of a barn to sleep on, which I got at the billets. Since that all happened I have been transferred to Battalion headquarters as a scout and have had to go out reconnoitering in front of our line. One night while out with a party of seven, the Germans saw us and opened rapid fire. Three were wounded, and we had an awful time getting them

pany, with our ranks sadly thin-

enjoyed the hot meal and the

back. I have only been hit once, that The big bubble to make a city was by a piece of shell which of Port McNicoll has evidently got only gave me a very slight cut pricked and three hundred and in the leg. I am writing this in a forty-three lots are now adver- dug-out in reserve trenches. We tised in the Simcoe county tax have been in action 15 days, with four days in reserve, then four

days in the front line alternately, and expect to be relieved to-morrow night. I will write again

TRAVERSTON.

Zion trustee board met on Saturday evening and let the contract of reshingling the church to reputation for doing all his work Ector had it installed in honestly and skilfully.

Mrs. J. J. Peart and baby Willie attended the funeral of her cou-ition around here at present, but sin. Mrs. Jos. Ford, in south Bent- with two outfits the work should inck, and then spent a week not last long. The O'Neil brothers among her many kindred in and are doing excellent work in around Hanover. Her nephew. vicinity of the school, while the Britton Metcalfe, came home with McGillivrav outfit is rapidly cleanher on Saturday and is holidaying ing out the barns in the southern this week with Master Oren.

A. G. Blair set his new corn harvester to work on Monday. He will be busy at the job all week, the neighbors are after him cut their patches, too.

Mr. J. McNally of the 6th has purchased quite a number of cattle and is doing so well at the business that he may become a regular dealer.

J. H. Robson sold his dapplegrey horse at the fair in town on Thursday.

The trustee board of separate school section No. 5 are to be congratulated teacher they recently engaged. Miss Ella Stortz of near Arthur. Grandma Nelson and Missy

Winnie Jackson left on Friday to visit relatives in Galt and vicinity. Miss Mary Edwards of Rob Roy paid a few days' visit to Mrs. T

Rev. and Mrs. E. S. Moyer spent Thursday of last week in pastoral visiting in our midst, and had some fun dodging the terrific electrical storms that swept over

this part of the township. Councillor Peart and wife spent the first of the week with Mr.

and Mrs. I. Elder of Berkeley. A. J. Corbett of Mt. Forest, like his father before him, has the happy faculty of making friends and retaining their friendship. He was up last week and erected a fine Aberdeen granite monument over the remains of Mr. and Mrs. honest dealing and good workthey are a pair of true ones.

attended the big party at Mr. W. Kenny's on Friday night of last week and speak in warmest praise of the kindness shown by the ned ,and, believe me, I certainly Kenny family and of the social pleasure enjoyed.

away from the daily routine of farm work last week and spent it with their son-in-law and daughter, Mr. and Mrs. W. J. McFadden in Egremont.

WHEN THE LIGHT CAME.

Their long acquaintance had ripened into love and he had posed.

"Dearie," he asked confidentially "when did you first learn that you loved me?"

very angry whenever I heard oli peninsula may be intended to anybody refer to you as a brain- act against Bulgaria should lass boob," she answered.

EDGE HILL.

Miss Kate McNally is visiting

Normal in Toronto. Mr. and Mrs. Boakes of King township, near Toronto,

guests of Mr. and Mrs. Adam Anderson on Saturday. We have sixteen subscribers or Mr. John Meagher, Jr., who has a telephone line 98 now, as Mr. R.

> residence on Saturday. Threshing is the chief occupa-

portion of the neighborhood. We extend hearty congratulations to Mr. W. A. Williams and Miss Susie Bell, who are being to married on Wednesday of this week. The young couple will commence home-making on the J. H. McFayden farm, which groom has rented.

FIRST CANADIAN AVIATOR DIES

A despatch from Owen Sound says that the information was received there Sunday from the admiralty, announcing the death of on the bright | Flight Lieut, Douglas A. Hay, son of Mrs. A. B. Hay of that place. No details were given, except to state that his death was accidental. A sad feature of the death is that the cablegram received at Owen Sound stopped one of birthday congratulations from the family, as he would have been years of age the day following. Lieut. Hay was the second son of the late A. B. Hay, of the North American Bent Chair Company and trained in the spring at Toronto and got his commission about midsummer, going direct to London, England. He is the first of the Ontario trained aviators lose his life in the empire's service.

REEVE JOYNT A PATRIOT.

Reeve Joynt of Lucknow is indeed a patriot. In a ringing W. Anderson and daughter. His speech before the county council ry, the best way of heating generously .- Port Elgin Times.

explosion in a minor explosives factory occurred.

The Italian expedition reported "When I found out I became landing on the west of the Galliplatter join Germany.

THE GUARANTEED FURNACE

For two winters the house had been hard to heat. There was no apparent reason. The furnace was large enough. The doors and windows were lined with weatherstripping. The amount of coal burned had been adequate. Still the front parlor and the kitchen with the rooms directly above those were never comfortable, and sometimes they were cold. One winter day the average temperature of four rooms was degrees Fahrenheit.

Built Under Guarantees

The house was new. It had been built under a series of guarantees. The firm which put in the furnace had guaranteed its efficiency. Therefore when the Owner fully recovered, thanks to 'Fruit-a-tives.' convinced himself that the ill was not in the chimney, the stovepipes or the cellar, but in the furnace itself, he called on the Firm. After a long wait of some months and much telephoning the General Manager of the Furnace pipe had an end-area of, roughly Company came and conducted a 64 square inches. Four pipes of bedside clinic. He found nothing that size, and one of 50 square radically wrong, but suggested inches made a total of 306 square that the furnace should be turned inches of hot air being taken off around a quarter-circle-so that the furnace and distributed to the door would be in the most in- the rooms. What about the Cold convenient part of the cellar. He Air? Investigation proved that the was sure that nothing was wrong. total amount of cold air reaching but that this change would cure the furnace through the register Miss Emma Ritchie is attending it. It would cost \$6.

Cost of the Remedy

"But," said the Owner, "You were guaranteed the furnace to heat house."

> "Ah," said the Expert, "but that was provided we were not interfered with. The Builder told us to stand the furnace this way We wanted to stand it the other way: therefore we are not respon-

The Owner asked the Builder if that was a true statement of the case. What the Builder said is suppressed for the best of reasons. Here was the situation: (1) There was nothing wrong with the furnace. (2) It was in the wrong position. (3) The change of position nonsense, and that there was would correct what was wrong. enough cold air provided, it was (4) The guarantee was no good. (5) The cost would be \$6.

Consulting the Books

The Owner, being filled the wrath, reviled the Furnace Man, who reviled again and went home huffy. Then as the Expert knew nothing about his own business. the Owner decided to make a few inquiries about heating in Court of Universal Resort, Reference Room of the Public Lihad an illuminating effect. Architects, scientists of high rank, and engineers had written books on Heating and Ventilation, had calculated the possibility of a pound of coal in the production of certain measure of Heat called Thermal Unit, had measured the loss of heat for every square peared plain that it was possible to calculate exactly how much heat would be required for certain cubic space and how much more would need to be supplied to offset window loss. Then was known how many Therma! Units would be produced on square foot of furnace grate, and so, the size of a furnace required for a house was a matter of simple arithmetic.

Hot and Cold Air

Then came the news. The Owner learned that hot air was, in theolast week when he moved that the house, that it provided circulation. above all to interest the people manship, coupled with his genial council give \$4,000 per month as carried away vitiated air, and with disposition, win him a wide pat- long as the war lasts to the proper attention did not make the furnaces" all guaranteed, and who ronage. Mr. Charlie Greenside's Canadian Patriotic Fund, he said air too dry "It is unpopular," said cannot tell what is wrong with team had a big load to lug, but he had one son who had been one writer. "because too frequentunder the doctor's care for more | 17 the furnace and the air ducts | Rev. T. H. Ibbott of Holstein, by than a year, but that he would are not properly installed." This cation and technical reading as rehis earnest and scholarly discourse willingly give six sons to the was going to be an interesting lated to the common trades and in Zion on Sunday, won many cause if he had them. He was too afternoon! How should they be in- pursuits of life.-J. E. Middleton complimentary remarks from his old himself to go into the firing stalled? The first fact learned was ir The Toronto News. line, but he was willing to drive basic, fundamental. It reminded Quite a number from this part horses or dig ditches, and further- one of twice-two, not only because more, he offered his resources, all of its simplicity, but because of he had, to the British government its solid surety. "It is necessary to and climaxed his remarks by giv- have the amount of cold air going ing \$1,000 per year to the Canad- into the furnace, equal to the ian Patriotic Fund as long as the amount of hot air coming out. But war lasts. Needless to say, Mr. if the cold air is conducted to the Mr. and Mrs. W. J. Cook ran Joynt was cheered to the echo furnace from outside, scarcely as for he has set a great example much will be needed, owing to the for many other men in the county laws of expansion. All the Owner's who are able to give, and give cold air came from the hall, from one register, not obtrusive, and not particularly large. There were five hot air pipes, four of 9 inches The London Chronicle denies diameter, one of 8 inches. This that destruction of Russian muni- looked promising. It remained to tion works at Okhta crippled the learn how the flow of air was Czar's campaign. Only a small calculated. Inasmuch as air is always present in every pipe it was clear that the amount of squareinches coming in and going out would stand comparison.

What Was Needed

Calling Mensuration to aid, The Owner discovered that a 9-11nch

Suffered Tortures Until She Tried "Fruit-a-tives"

Sr. Jean de Matha, Jan. 27th, 1914. "After suffering for a long time with Dyspepsia, I have been made well by "Fruit-a-tives." I suffered so much that at last I would not dare to eat for I was afraid of dying. Five years ago, I received samples of "Fruit-a-tives" and after taking them I felt relief. Then I sent for three boxes and I kept improving until I was well. I quickly regained my lost weight-and now I eat, sleep and digest well-in a word, I am

MME. CHARBONNEAU. 50c. a box, 6 for \$2.50, trial size 25c. At dealers or sent postpaid on receipt of price by Fruit-a-tives Limited, Ottawa.

was 172 square inches! Further, bad tinsmithing enabled some cold air to be drawn through the joints of the pipe in the cellar, one reason why the cellar was usually warm and comfortable. It was plain that 134 square inches of cold air was needed. The Owner decided that two 9-inch cold air pipes brought from front and rear rooms of the house should be installed, and that each should have a register 10x13 inches. You see a register is half iron, therefore in calculating its capacity you halve the square contents of its face.

A Sat'sfactory Test

As the Furnace Man said that all this calculation was foolish apparent that the Owner must find another tinsmith and pay for the work. He did so. During March and April of this year the new arrangement was in operation. All the house was warm, and warm all the time! Practical, rule of thumb men said that the furnace needed to be turned around, and the that no change in the cold air arrangements would make any difference in the temperature. The brary. One afternoon's reading same rule-of-thunb men said that they had installed thousands of furnaces in Toronto (all guaranteed) and that they knew what they were talking about.

Value of Technical Education

And yet, one common man with ordinary intelligence could out more in one afternoon than they had discovered in 18 years of foot of glass in a room. It ap- business life, and could cure a condition before which they found themselves helpless. They wanted to turn the furnace around! If that had failed they probably would have suggested turning the house around, or stopping the wind.

There is no room for criticism of the men who manufacture furnaces in Canada and who. clearly. have a full and complete knowledge of heating problems. The construction of the various styles of furnaces proves that. This story is rather intended to interest mea chanics who install furnaces and who have those "thousands of them. It may draw attention to the possibilities of technical edu-

Elijah Page, a Melancthon farmer, lost two valuable horses from paris green poisoning.

MARKET REPORT

DURHAM, SEPTEMBER 23. 1915	
Fall Wheat \$ 90 to \$1	
Spring Wheat 9) to 1	
Milling Oats 35 to	38
D 7 (A.4.	38
Peas 1 50 to 1	65
Barley 48 to	
Hay12 00 to 12	
Butter 21 to	21
Eggs 20 to	
Detatage man ham	45
Dried Apples 3 to	3
Till and the second of the	25
Oatmool non oach ore	000-00-00
Chan non and	00
I TITO HOMO MAN ATTACK	75
Hidos non Ib	00
Sheenskine 15 to	14
Sheepskins 35 to	60
Tellow	
Tallow 5 to	5
Lard 14 to	14