

Grand Trunk Railway TIME-TABLE

Trains leave Durham at 7.15 a.m., and 3.45 p.m.
 Trains arrive at Durham at 11.55 a.m., 2.00 p.m., and 8.55 p.m.
EVERY DAY EXCEPT SUNDAY
 G. T. Bell, C. E. Horniug, G.P. Agent, D.P. Agent, Montreal, Toronto.
 J. TOWNER, Depot Agent
 W. CALDER, Town Agent

Canadian Pacific Railway Time Table

Trains will arrive and depart as follows, until further notice:-

P.M. A.M.	P.M. P.M.
3.10 6.20	Lv. Walkerton Ar. 12.55 10.35
3.24 6.34	" Maple Hill " 12.58 10.22
3.34 6.43	" Hanover " 12.59 10.14
3.43 6.52	" Allan Park " 12.20 10.04
3.58 7.07	" Durham " 12.06 9.50
A.M.	A.M.
4.09 7.18	" McWilliams " 11.54 9.34
4.12 7.21	" Glen " 11.51 9.34
4.22 7.31	" Priceville " 11.41 9.23
4.35 7.45	" Saugen J. " 11.30 9.13
4.10 11.20	Ar. Toronto Lv. 7.45 5.25

 R. MACFARLANE, - Town Agent

CANADIAN PACIFIC
For WINNIPEG and VANCOUVER
 LEAVE TORONTO 10.20 P.M. DAILY
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 R. Macfarlane, Town Agent
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ZENUS CLARK
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HOMESEEKERS' EXCURSIONS TO WESTERN CANADA.
 Particular attention is directed to the remarkably low round-trip fares in connection with Home-seekers' Excursions to Western Canada via Canadian Pacific Railway. Tickets are on sale each Tuesday until October 26, inclusive, and are good to return within two months from date of sale.
 The C. P. R. offers the finest possible equipment and fastest train service via one of the most scenic routes in the world.
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SUNDAY SCHOOL

Lesson VI.—Second Quarter, For May 9, 1915.

THE INTERNATIONAL SERIES.

Text of the Lesson, 1 Sam. xx, 32-42. Memory Verse, 42—Golden Text, Prov. xvii, 17—Commentary Prepared by Rev. D. M. Stearns.

Our lesson topic today is "The Friendship of David and Jonathan," but the lesson verses give only one incident out of many. As our next lesson will be in chapter xxvi, we will consider the David and Jonathan incidents in chapters xviii to xxiii. In chapter xiv the name of Jonathan is mentioned twenty-four times, and in chapter xx it is found twenty-seven times. His name may mean the gift of Jehovah, and he surely was such a David, a real friend and comforter, making us think of Paul's words concerning some of his helpers, "Fellow workers unto the kingdom of God, which have been a comfort unto me" (Col. iv, 11). In our first introduction to Jonathan (chapters xiii and xiv), in which we find his name just twenty-eight times, we see him as a brave soldier, relying upon Jehovah to fight for him and with him (xiv, 6, 7). The next mention of him is after David's defeat of Goliath, when we read that his soul was knit with the soul of David, for he loved him as his own soul. He stripped himself of his garments and armor and put them upon David (chapter xviii, 1-4; see also xx, 17; II Sam. i, 26). They were truly kindred spirits, both strong in the Lord. We cannot but think of Him who emptied Himself for us, laid aside all His glory, that He might redeem us, clothe us with His righteousness and share with us His Kingdom. We think also of the disciple whom Jesus loved, who leaned upon his bosom, but we remember what is written in John xiii, 1, of all true disciples, "He loved them unto the end, to the uttermost" (R. V., margin).

The next incident is in chapter xiv, 1-7, where Jonathan pleaded with his father for David, reminding him that through David the Lord wrought a great salvation for all Israel, and so David was for a time restored to Saul's favor, but we saw in last lesson how worthless and uncertain it was.

In our lesson chapter we see David returning from Samuel (to whom he had fled) to interview Jonathan and to tell him that when near Saul he felt that there was but a step between him and death and to ask him to find out if he could just how his father really felt toward him, for it would seem as if David could scarcely believe that Saul hated him as greatly as these sudden outbreaks of temper would indicate. One may give way to temper again and again and yet really love the person spoken or acted against. How beautiful was Jonathan's reply to David, "Whatsoever thy soul desireth I will even do it for thee" (xx, -4), or as in the margin, "Say what is thy mind, what thy soul speaketh or thinketh, and I will do it." What a friend to have and yet listen to Him who calls us friends, "If ye shall ask anything in My name I will do it" (John xv, 15; xiv, 14). Jonathan seems not to have believed up to this time that his father meant any real harm to David, probably attributing all to his fearful temper, for he said, "If I knew certainly that evil were determined by my father to come upon thee would not I tell it thee?" (xx, 9). They went out into the field alone with the Lord and with prayer, and, as in His sight, they made a covenant the one with the other and arranged a plan by which Jonathan would find out certainly what his father's attitude to David really was (xx, 11-23). When the plan was worked out and Saul's anger against David became so manifest that he tried to kill Jonathan for taking David's part, then Jonathan knew that it was determined of his father to slay David. So he arose from the table in fierce anger, for he was grieved for David (xx, 32-34). Then Jonathan in the morning went out into the field and communicated with David by a pre-arranged plan (xx, 18-24, 35-40). It was a three days' interval (verse 19), reminding us of so many three days' stories, and it was a morning farewell that these two friends now had (verse 35), reminding us by analogy and contrast of so many morning stories. The statement in verse 39 that the lad who gathered the arrows knew not anything of the significance of his doings nor of the real meaning of Jonathan's words to him has often come to me with power, as I have given His message from His word from time to time, simply knowing that I was seeking to be faithful to Him, but not knowing anything of what He might be accomplishing by the message, but sure always that He knew what He was doing and that His word will always accomplish His pleasure (John vi, 6; Isa. lv, 11). How pathetic the farewell of these two after the lad had gone—the kissing, the weeping, the committing of each other to the Lord, and Jonathan's "Go in peace" (verses 41, 42). In the morning to which we look forward we shall be "forever with the Lord" (I Thess. iv, 17). What a contrast to this sad parting and all partings! They met once more, and Jonathan strengthened David in God, and they spoke of the kingdom and renewed their covenant (xxiii, 16-18).

What God does or permits to be done is often to us a great mystery, but there is comfort in His words "What do thou knowest not now, but thou shalt know hereafter" (John xiii, 7).

VALUE OF FARM RECORDS.

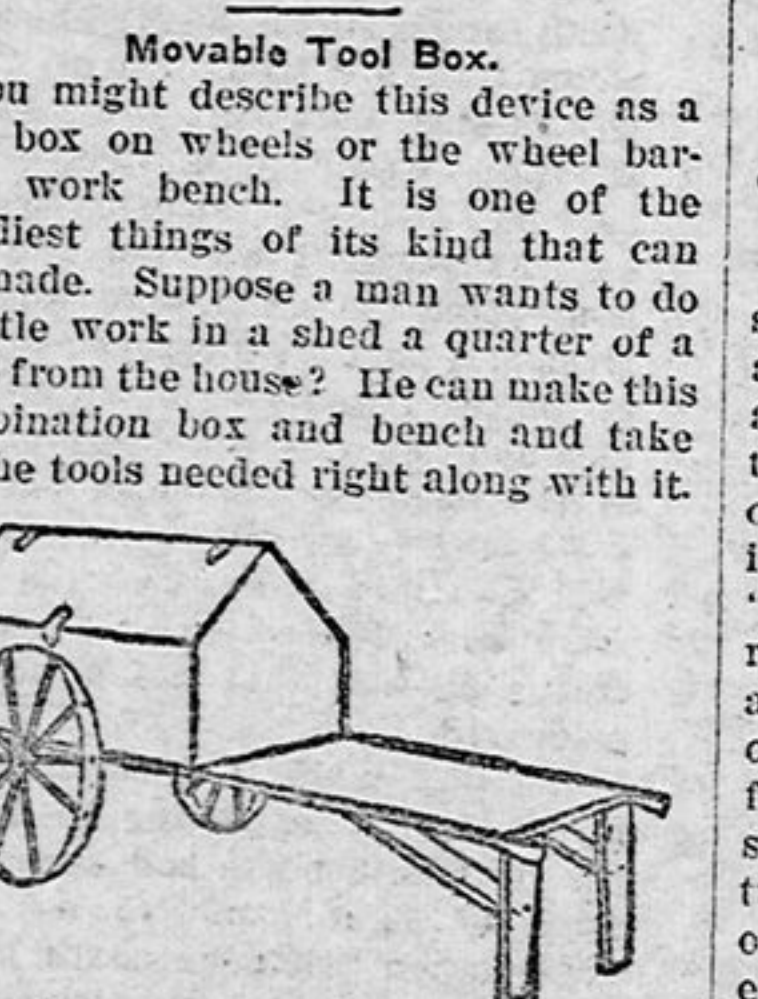
Every farmer should keep a record of his operating costs and the financial results of everything done on the farm. A farmer who does this is not going to lose anything, but is surely on the road to success. At first it will seem impossible to keep a record of labor, financial accounts and crop yields, but it will be surprising how the habit will become established. A very interesting and profitable record to work on at present is a harvest record of the different grain crops. Such a record will show the farmer how much his crops yielded and the cost to thrash the grain. When the value of such records is realized the farm will then be run on a more strictly business basis.—Orange Judd Farmer.

RADIUM AS FERTILIZER.

An Experimenter Asserts That It Will Increase Yield of Land.
 Radium as a fertilizer is a new idea in farming. It is asserted that it will increase the yield of land from 50 to 100 per cent.
 So says Dr. H. H. Rusby of the New York College of Pharmacy. He has been experimenting with radium solutions on a tiny farm at Nutley, N. J., for the last two years. Recently he presented his results to the American Pharmaceutical association.
 Dr. Rusby diluted his radium three milligrams to a ton of water. This, he says, will fertilize thoroughly twenty acres of land at an approximate cost of \$30. The farm was only an acre and one-half in extent, but in small patches he raised practically all the vegetables used by northern farmers.

Fifty pounds of his solution to the acre gave the best results in the greatest number of cases. Some vegetables required more.
 On the whole, however, Dr. Rusby found his experiments particularly encouraging. Cucumbers, squashes, melons, radishes, carrots, corn, cabbage and a host of others responded most satisfactorily to the treatment and gave results far above their normal output.
 The use of radium as a fertilizer, Dr. Rusby avers, did not originate with him. When it was found that weak solutions of radium salts applied to cancer only stimulated its growth scientists began to experiment with it upon plants. In the beginning all of the solutions which they used were far too strong. The New York botanical gardens and the University of Prague were the first to make successful experiments.

Movable Tool Box.
 You might describe this device as a tool box on wheels or the wheel barrow work bench. It is one of the handiest things of its kind that can be made. Suppose a man wants to do a little work in a shed a quarter of a mile from the house? He can make this combination box and bench and take all the tools needed right along with it.



It is really a sort of a portable repair shop. You can keep all manner of tools, nails, clips, bolts and nuts in it. There is room for wire clippers, wire and anything else that may be needed. And it is likely to save you a lot of trouble when the job is done. We all know how easily tools are mislaid and even lost for good.
 Materials needed for its construction are: A pair of old cultivator wheels, a few boards, a couple of hinges and enough bolts to fasten things together.—Farm Progress.

FARM WIT AND WISDOM.

No farmer ever gets too old to learn, but the wise farmer doesn't wait until he is old to learn.
 All things come to him who owns a piece of land and pitches in and works to beat the band.
 Don't try to lift water by a suction pump more than thirty feet. The utmost height to which it is possible to suction it is 33.95 feet. The weight of the air has to do the lifting.
 An Iowa farmer pays his foreman 25 cents for every pig over six to the sow which reaches the age for weaning. He likes to pay out the money, and the foreman looks upon it as clear gain. The bonus system is worth studying. It will work in other fields as well as in the piggery.
 Potash is difficult to get now, not because there are no ships to carry it, but because of the difficulty in securing railway and river equipment to move it from the mines and storehouses to the coast.
 Corn fed the sows makes their pigs fat before farrowing, but the pigs need fat only after their eyes open on this world. Prior to that time they need only bone, muscle and vigor. Alfalfa hay, bran, roots and other protein bearing feed prepare the sow for successful farrowing. Corn fed sows are the ones which die at this critical time more than any other.—Farm and Fireside.

DIVERSIFICATION OF CROPS.

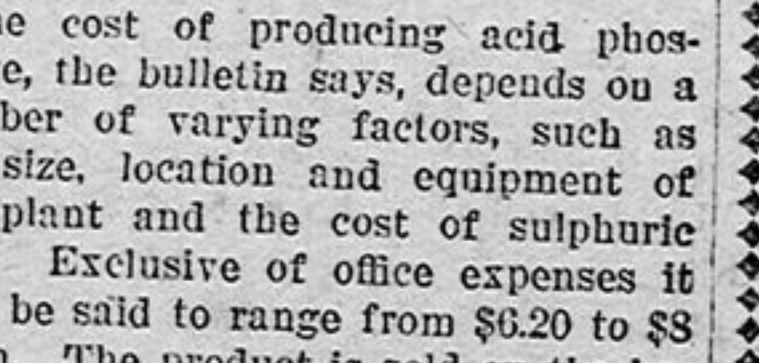
Diversification of crops has been agitated so much in the south that its importance in northern states has been overlooked. Farm surveys show, however, that the farms in the north yielding the highest net profit are those that have a variety of sources of cash income. In a profitable section of central New York we find that most farmers produce hay, potatoes, cabbage, beans, fruit and some live stock for sale. This winter potatoes, fruit and cabbage have all been low in price, but because of their variety of products these farmers have been insured against total failure. The coming year or two is certain to be a period of fluctuating prices. Everything points at present to high prices for such staples as wheat, pork and beef, but there is no assurance that there will be any substantial improvement in the prices of potatoes, vegetables or fruit. Therefore it will be only an expression of foresight-ness for the farmer to throw out a little anchor to windward in the form of a few acres of a staple that has a good local demand.
 Specialties are a good thing in the long run, and the fellow who has two or three is going to be the one who will bridge the periods of price depression.—Country Gentleman.

MAKING ACID PHOSPHATE.

Importance of the Product in the Fertilizer Industry.
 (Prepared by United States department of agriculture.)
 The manufacture of acid phosphate has come to play such an important part in the fertilizer industry of the United States that the department of agriculture has just issued a bulletin on the subject which is designed both for manufacturers and for progressive farmers. Phosphate rock, it is said, has almost entirely displaced bone, guano and apatite as a source of phosphoric acid, and a knowledge of the exact composition of the rock is of importance, because not only the phosphate of lime but all the impurities as well are acted on by the sulphuric acid used as a reagent and influence the finished product.
 Of all the impurities occurring in phosphate rock compounds of iron and aluminum are the most dreaded. Even in small quantities these elements are apt to cause a certain amount of reversion and in large quantities may render the product sticky and unfit for use. By careful handling, however, phosphate high in iron and aluminum compounds may be made to produce high grade acid phosphate. On the other hand, carbonate of lime is desirable when the quantity is not excessive.
 Both the "den" and the "open dump" systems are in general use for making acid phosphate, each having certain advantages. In the "den" system after the rock and sulphuric acid are thoroughly mixed the compound is dropped into a closed brick lined chamber or "den," where the chemical reactions raise the temperature to a high point and are completed in twenty-four hours or so, the product being then ready for shipment. In the "open dump" system, as the name implies, the mixture of acid and rock is dumped on an open pile and may require a month or even longer to become fit for use. The fumes given off in the process, moreover, may become a serious nuisance in the vicinity of towns. On the other hand, the removal of the acid phosphate from the den is troublesome and when done by hand sometimes dangerous.

The cost of producing acid phosphate, the bulletin says, depends on a number of varying factors, such as the size, location and equipment of the plant and the cost of sulphuric acid. Exclusive of office expenses it may be said to range from \$6.20 to \$8 a ton. The product is sold on the basis of its so called available phosphoric acid content and is worth at the factory from 40 to 56 cents a unit, or twenty pounds. The phosphoric acid content runs from 14 to 21 per cent of the marketed product.

Easier Way to Lay Flooring.
 Laying a floor has always been a hard job for me if the lumber was warped. But I have just completed a corn crib in which I used the cant hook for forcing the flooring into place, and I was surprised at the ease with which the work was done. In doing it the chain was anchored to a window sill or studding. The handle of the cant hook was placed against a flooring board and the hook caught into a link of the chain. The handle was then pulled back, forcing the flooring boards into place. When doing this a block should be placed between the hook on the chain and the window sill and also between the cant hook handle and the flooring.—Correspondent of Missouri Valley Farmer.



Cowpeas and Corn.
 Cowpeas are a good crop to precede corn because they provide nitrogen, which is much needed by the corn.

Spring Goods Have Arrived

Come in and have a look at our new lines of Classic Shoes and Pumps for Ladies, Weston's and Eclipse for Misses and Children, Astoria and Brandon for Men, before selecting your next pair of footwear.
 Many other lines in stock for less money. Our prices on Spring goods are the same on most lines as they were last season.
 Hosiery for all classes, in many kinds, at close prices. Trunks, Suitcases, etc. in stock.
 Broken lines of boots that we are not stocking again are offered at cut prices.
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The Down Town Shoe Store: J. S. McIlraith

Special Reduction Sale

In order to reduce our general stock of Dry Goods, Groceries, Ready Mades, Blankets, Sheeting etc., we have decided to make a Special Reduction on Everything in stock, starting on
SATURDAY, JANUARY 16, 1915
 Intending purchases may rest assured of getting even better bargains than we offered last spring. A trial order will convince you. Come in and ask for prices.
S. SCOTT
 Opposite the Old Stand
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We have a good stock of Corn and Ground Feed on hand, that we are selling in ton lots at the following prices:
American Corn, per 100 lbs. \$1.60
Chieftain Corn Feed, per ton \$30.00
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 If you want good heavy mixed feed try our "Chieftain Corn Feed" it gives good satisfaction
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