### DOMINION ATLANTIC RAILWAY

-AND-Steam :hip Lines -TO

St. John via Digby -AND-Boston via Yarmouth

"Land of Evangeline" Route.

On and after July 1st, 1911, the Steamship and Train Service on this Railway will be as follows (Sunday

Bluenoss from Halifax 2.31 p.m. Express from Halifax 12.04 p.m Extress from Halifax (Sat. only) 7. 40 p.m. Accom. from Richmond 5.40 pfm Bluenose from Yarmouth 12.55 p.m. Express from Yarmouth

Express from Annapolis (Mon. only) 4.13 p.m. Accom. from Annapolis 7.50 a.m.

### Midland Division

Trains or the Midland Division leave Windsor daily, (except Sunday) for Truro at 7.05 a.m. 5.10 p.m. and 6.15 a.m. and from Truro at 6.55 a.m. 2.30 p.m. and 12.09 noon connecting at Truro with trains of the Intercolonial Railway, and at Windsor with express trains to and from Halifax and Yarmouth.

#### Boston S.S. Service

BOSTON-YARMOUTH SERVICE. The Royal and United States Mail Steamships "PRINCE ARTHUR" and "PRINCE GEORGE" perform a daily service (Sunday excepted) from Yarmouth to Boston, on arrival of and Express trains from Halifax, arriving in Boston next Returning leave LONG WHARF, BOSTON, at 2.00 p. m. daily (except Saturday).

BOSTON-DIGBY SERVICE. S. S. Boston leaves Digby for Boston on Wednesday and Saturday on arrival of Bluenose train from Hali-

ROYAL MAIL S. S. PRINCE RU-Daily Service (Some 10.45 a. m. 'Arrives in Digby 7.45 a.m. Leaves St. John Leaves Digby same day after arrival express train from Halifax.

Bluenose train westbound does not connect at Digby with boat for St.

BASIN OF MINAS SERVICE. S. S. "Prince Albert" between Parrsboro-Kingsport-Wolfville daily, (except Sunday).

> Kentville. General Manager.

FURNESS, WITHY & CO., LTD.

LINERS.

London, Halifax and St. John, N. B. From London. Suly 29 -Kanawha July 23 -(via St. John's, Nfld)

-Rappahanno?k Aug. 13 Aug. 6 -Shenandoah

LIVERPOOL, ST. JOHN'S NEWFOUNDLAND SERVICE From Halifax.

From Liverpool. Steamer: FOR HAVRE DIRECT Aug. 2 -Durango Aug. 19 Aug. 2 -Almeriana

FURNESS WITHY & CO., LTD., Agents, Halifax, N. S.

# H. & S.W. RAILWAY

Accom. Mon. & Fri.	Time Table in effect J une 19th, 1911.	Accom. Mon. & Fr
Read down.	Stations	Read up.
11.30	Lv. Middleton AR.	15.50
11.58	* Clarence	10.22
12.15	Bridgetown	15.06
12.43	* Granville Centre	14.41 14.26
12.59	Granville Ferry	14.20
13.15	* Karsdale	
13.35	AR. Port Wade Lv.	13.00

\* Flag Stations. Trains stop on signal. CONNECTIONS AT MIDDLETON WITH ALL POINTS ON H. &S. W. RY. AND D. A. RY.

P. MOONEY General Freight and Passenger Agent

# The Cup That Cheers



and refreshes is made more certainly possible when our coffees and teas are used. They have a flavor, a body that cannot fail to appeal to coffee and tea drinkers.

GROCERY STORE

As we cater the best trade, we buy only first-class goods where quality is always conspicuous. Our stock being large and varied, if you want the best you should trade here.

J. E. LLOYD and SON

# Give the New Meat Market a Call

--- in the old stand formerly occupied by form of the disease is, not unfre- stances become in which bacilli of WILLIAMS & TIBERT. A good stock always quently contracted by adults, If this special types are found occurring naton hand.

S. H. BUCKLER, STREET

# Boots and Shoes



of Mens' Heavy Grain Boots THE CAUSES OF. at \$2.50 - Boys' Heavy Grain PLUMONARY CONSUMPTION. Boots at \$1.80 Youths Heavy books of 1880 you will find that the Grain Boots at \$1.60 adies causes of pulmonery consumption are Tan Oxfords at \$1.80 adies put down as follow:-"Heredity, age, Black Oxfords at \$1.80 and habit, diet and digestion, interference other lines of Boots Shoes and Rubbers at reasonable joting diseases, and lastly, infection' prices.

WANTED: Potatoes, Eggs and Butter in exchange for goods.

# St. JOHN and DIGBY JOSEPH I. FOSTER GRANVILLEST.

### ACADIA UNIVERSITY

Horton Collegiate Academy W. L. ARCHIBALD, Ph. D., Principal Welfville, N. S.

### ACADIA UNIVERSITY Acadia College

alists. Last year's enrollment, 230. F term begins Oct. 4. Write for catalogue GEO. B. CUTTEN, Ph. D., President

### ACADIA UNIVERSITY

Acadia Seminary The Pre-Eminent School for Girls and Young Women—in the "Land of Evangeline."

Every modern facility for physical, intellectual and moral culture. Comfortable buildings, with modern equipment Careful social training. Strong faculty of 22 teachers. Last year's enrollment 30s.

Eleven Complete Courses — Collegiate,
Junior and Senior University Matriculation, Piano, Voice, Violin, Art, Oratory,
Domestic Science, Business and Special
Course. Low cost. Fall term begins
September 6. Write for catalogue.

REV. H. T. DeWOLFE, D. D., Principal
Wolfville, N. S.

September

Is the day we expect you to begin that course you need and which will repay you so handsomely. We have over a dozen unfilled places-with good salaries and not sufficient students to supply the demand. For further information write

Maritime **Business** College Halifax, N. S. E. Kaulbach, C. A.

She Mistook Him. W. C. Wilkinson, who for thirtysix years has been secretary of Toronto's Board of Education, prides himself on his youthful spirit and on his activeness in getting about, in spite of the fact that it was not yesberday that his hair turned grey. it's with an appreciation of the incident being at his expense that he tells of what happened to him in Ire-

land a couple of years ago. Mr. Wilkinson was one of a party of about sixty on a trip through the Old Land. In a hotel at which they stayed in Killarney, the maid said him one morning, "And how did our good wife sleep last night?"
"I don't know," was the answer.
"You don't know?" said the maid.

"My wife is about three thousand niles away," said Mr. Wilkinson. The maid looked at him from head to foot and then said, "Oh, I beg your pardon. I took you for another little ould mahn."

Homesteader at 102.

That it is never too late to work has been proved by Mr. Louis Carpenter, aged 102 years, who has applied to the Saskatoon land office for a home-Mr. Carpenter is strong, vigorous and active, and he is anxious to procure a pre-emption in addition.— London Standard.

Parental Assistance. Barnes-When I was young my mother always used to sing me to sleep at night.
Shedd-Yes; women are good at that sort of thing, but it takes the father's voice to wake a fellow up in the

# SEND A TRIAL ORDER TO THE ONITOR Job Printing Office.

# Danger From Disease Germs in Milk and Urgent Need of Inspection

INFECTED FOOD.

herd is free from tuberculosis.

The following paper on "Milk and ranged between 6.34 and 45.8 per its relation to the transmission of c.pt. tuberculcsis," was read before the THE DANGER FROM Halifax branch of the British Medical Association by Dr. Alexander Mac-

Neil, of Summerside; ere, as we all know, the most com- | milk, the latter, being the most dan- This reduces the vitality and resisstate, therefore, it is very important that we should have the supply .pure and healthy. It is the chief article of diet of infants, it is the food we most | authorities agree that bovine tuberoften give to patients when ill and culcsis is more virulent than the huwhen their resisting powers are low- man, who would knowingly drink spection that we could be sure of the

There are many impurities which most interested in at present is the cough, scarlating, measles and typhoid fever taken together, in other

words, about fourteen per cent. Now it is claimed by medical authcrities that not only is there a large The place where you get just what you ask for bovine tuberculosis, but that this studied the more numerous the innot easy to err on the side of cauvariety of forms, into human food, it is hardly possible to over-estimate tions of others show that bovine Just arrived a large stock the importance of its purity and its types are frequently being obtained from virulent disease germs. from man, and human types from

If you consult your medical text with respiratory function, climate and locality, mental causes, previous ex-The text-book I had used at that time cays-"ibnt it has been imagined that consumption is capable of phthisis, but the evidence in support

extramely unsatisfactory. thority as he unquestionably is, af- sage through cats it became, morand bythat statement gave the pub- morphology." been infected with tubercle bacilli from the milk of cows suffering from this disease.

TO BE GUARDED AGAINST IN EVERY POS. SIBLE WAY.

that tuberculcsis, whether bovine, or human, is to be guarded against with all the means at our disposal, and that we should in this matter take every precaution against errors, lest, thirty years hence, we should find that we have been acting on a wrong theory as our fore-fathers had done in regard to their idea of the origin of the disease.

The point here to emphasise is not as to the degree of dilution in which the virulence of the tubercle bacillus will infect human beings with the disease, nor yet as to its mode of attack, whether by inhalation or by ingestion, but the fact that we are fust as liable to be infected by the bovine bacilli as by the human. Indeed, some authorities go so far as to say that the milk fed to infants is the chief cause of infection, and that even all tubercuiosis is of bo-

vine origin. Is tuberculosis common among cattle? In looking over the statistics of countries where the subject is receiving proper attention, we notice that the percentage of tuberculosis among cattle slaughtered in public abattoirs in different cities for different years

family receive their portion, and phology of bovine tuberculosio is sie how often the cat is at the bot-

In our country there being no in-Milk, its products and by-products spection of hirds, nor examination of of these stables are poorly ventilated monly used articles of food. It is girous especially to children, should tance of the cow and leaves her more used at every meal, chiefly in a raw receive our immediate attention. susceptible if she comes in contact When we see that a great deal of with infection. It is well-known that our tuberculosis may be derived from cows pass tubercle bacilii in their the milk of diseased cows, and many feces .long before they show any

the milk of tuberculous animals? I mers send milk to the factory for may get into milk, but the one I am might here say that in my home butter making. The skim milk is retown, no milk can be offered for turned home and feed to the calves tube cle bacillus. Tuberculosis kills sale without the vendor fling yearly and hogs. If in the process of sepas many people, young and old, each a certificate at the town office from a arating the milk from the cream, the year, as diphtheria, croup, whooping competent vetericarian that the the skim milk from an infected herd healthy herd, the caives from the a-tives" is the only medicine in the According to Mobler and Washburn After a comparison of many tuberete healthy hard might become diseased.

bacilli from different sources and a careful search of the literature, con- by the horn fly which is bred in facec, c'uded that the more the subject is and knows no line fence, and which

in our country is chiefly co-operative pig inoculations in choese one hundred purity of our milk becomes self-evi- the species which may be supposed to I have been informed by the secretary and twenty-two days old, made after dent. In a matter of this kind it is be their natural host. They obtain and manager of one of our largest the Cheddar method." factories that there are 1,500 cows culturestof tubercle bacilli from human lepions that were morphological supplying milk. In this factory for that enters so largely, and in such a ly and biologically bovine types, and cheese making they have six vats, CREAM GLOBULES. in their summary of the investiga- each vat receiving daily about 9,000 In regard to butter we find that Its. of milk. This milk is converted though the specific gravity of the tuinto cheese and the whey is returned bercle bacilli is greater than that of cattle. These investigators, after a cases within that time is offered for be greater than in any other part of prolonged study of the susceptibility sale over the counter. I am also in- the milk owing to the tenacity with of tubercle bacilli to modification, formed that often the cheese is mar which they authere to the cream glodraw the conclusion 'that the morphketed in England thirty days after bules, so that in cream and butter ology of tubercle tacilli is their most variable characteristic.' They success manufacture and sold in the retail they may occur in greater concentrafullly changed the morphology and stores within that time.

and increase the virulence of tubercle meilli for different species of animals. RETAINS ITS POVINE CHCRACTER. transmission by infection through the As examples of changes in mor- for over three months. As a result made by Shroeder and Cotton, of the breath, or by eating the fiesh of an phology the following are instructive of Galtiers experiments conducted Bareau Experiment station, Washingcath, er by cath the been cubjects of as well as interesting. A tubercle cul- with cheese, both salted and not ton, D. C., "Butter was made from ture isolated from sputum was given salted, which was found to contain the milk of a cow affected with ud of either of these modes of origin is a more perfect so-called 'human' morphological character than it original- ten days old, he concluded that co- rate of one ounce of salt to a pound But the discovery of Professor Koch ly possessed by passing it through agulated milk, fresh sheese, and salt of butter, the butter was kept within 1902, What the forms of consump- cats. The same culture was given a ed cheese made from milk from tu- out ice in a cellar in which the temtion were due to a tiny micro-organ- perfect so-called 'bovine' morpholog- berculous cows may infect man, and perature remained fairly constant at ism, has upset all those vague theor- ical character by passing it through that the bye-products fed to swine sixty degrees, Fr., and from time to tattle. A culture isolated from a tu- and chickens may infect these ani- time, up to one hundred and gixty sumption is a scientific fact, as well berculous boy was found to be mor- mals. In experiment, made in Swit- days from the making of the butter, established as any of the laws of Thologically a bovine type; after fif- zerland to determine the fate of tu- guinea pigs were thus inoculated, and mathematics. But this very man, teen generations on artificial media it bercle bacilli in cheese it was de- with the exception of five that died Professor Koch, as eminent as au- was still bovine in character; by pas- monstrated that they died between prematurely and one that was killed, fords a conspicuous example of how phologically a human type. A culture cheese made after the Emmental and the one that was killed was altrisafe it is to accept without ques- isolated from bovine tuberculous method, but considerably later in so found affected." tion the units and theories of any lesions was found to be morphologic- cheese made approximately after the The whey which is returned from man, for, in 1896, this very scientist ally a bovine type; it became mor- Cheddar method. An emulsion of tu- the factory is fed to the swine, and lent his great authority to the view phologically a human type by growth bercle bacilli was added to milk at the hog next to cattle is most frenow accepted as a fallacy that on solidified human blood serum. It the same time and quently affected with tuberculosis.

many persons, old and young, have regularly as other members of the by inoculation. In a recent investiga-

by passing through the cat the marchanged to that of human, we must tom of cases of tuberculosis, indirectly through the cow. THE FOOR VENTILATION CF SOME STABLES.

It is in the dairyman's interest to house his cattle in winter in warm stables so as to produce as much mil's as possible. Unfortunately, many symptoms of failing health. Consequently, it is only by veterinary in-

milk eat butter or cheese made from hirds being healthy. ocomes mixed with the milk from a

a so the virulence of tubercle bacilli THE BACILLI

in the course of their investigations and found it possible both to reduce bovine and human tuberculosis are is reasonable to assume if human cheese was made from the milk in the Swine tuberculosis is, without doubt not transmissible, that the disease as blood serum can effect this change in manner required to obtain Cheddar as a rule, to be ascribed to feeding found in cattle was of a very differ- a morphologically bov; ne tubercle cheese. From the time of manufac- milk of cows suffering from tuberculoent aind from the disease as it oc- bacillus from a bovine source, ithat ture average samples of the cheese sis of the udder, or dairy by-procurs in human beings, and that it the residence of tubercle bacilli from were taken weekly, macerated in ducts especially the centrifugal slime was impossible for the tubercle bac- bovine lesions in the human body sterile water, and filtered. Guinea of such milk. illus which infects a cow to likewise may likewise cause a change from so- pigs were inoculated with portions of HOGS INFECTED

called 'bovine' to so-called 'human' the filtrate, and it was found that WITH TUBERCULOSIS. the germinating power of the tubercle Believing this to be true there are bacilli lasted one hundred and four ed ten per cent. of the hogs examined less dangerous than it was unfound- many avenues of infection that must days, but after one hundred and to be affected with tuberculosis. How ed, for it is now one of the best at- be looked into. At farm houses the eleven days they were incapable of many of our infants may have been tested facts in modern pathology that cat receives her saucer of milk as conveying the disease to guinea pigs

### AT DEATH'S DOOR FROM KIDNEY DISEASE

### SAVED ONLY BY "FRUIT-A-TIVES"

CLANBRASSIE, ONT.

"Two years ago, the doctor made forty-four calls on me, and then said he had done all he could for me. I was suffering with intense Kidney Trouble and Inflammation had set in. Two other doctors were consulted and agreed that nothing could be done to help me. On the recommendation of a neighbor, I took "Fruit-a-tives" and they cured me. To-day, I take "l'ruit-a-tives" as my only medicine. I am in excellent health, and "Fruit-a-tives" is the medicine that cured me after I had been at Death's Door for months.

I am glad to be able to give you this testimonial. It may benefit some other woman suffering as I suffered, as I believe that I would not be alive to-day had I not used "Fruit-a-tives" MRS. P. E. WEBBER

"Fruit-a-tives" - by its marvellous action on the kidneys -- completely restores these vital organs to their normal strength and vigor-and cures. every trace of Kidney Trouble. "Fruitworld made of fruit.

50c. a box. 6 for \$2.50, trial size, 25c. At dealers, or from Fruit a-tives Limited,

ation with Doane, tubercle bacilli The mood of dairying now in vogue have been demonstrated by guinea

home. The cheen is put into a curing ordinary milk, yet the proportion of room for thirty days, and in many the bacilli in the top-milk is found to tion than they do in the milk from which they are derived, yet, not only so, but it is found that no better medium for the preservation of the J. H. Mohler, an eminent authority life and virulence of the tubercle says: "In cheese tubercle bacilli may bacilli exists than butter. Hence the become mixed with the curd during necessity of seeing that the cows the process of manufacture and they from which we derive our milk are have been flown to remain virulent free from tuberculosis. In experiments the thirty-third and fortieth day in all died of generalized tuberculosis,

(Continued on page three.)

"More bread and better bread kind of biscuits like to make