

CLASSIFIED ADVERTISEMENTS

AGENTS WANTED

LIVE MAN WHO UNDERSTANDS HOW to sell to farmers can get good opportunity to make money by answering this advertisement...

AGENTS, SALARY AND COMMISSION, to sell Red Tag Stock. Complete stock including exclusive lines...

MISCELLANEOUS

JOHN ALFRED MACDONALD, LAND Surveyor, Hornumville, Souda. 2896-12-1MEimo

LEFT BY MISTAKE AT ARENA RINK. Last night, man's black dress shoe. Apply to A. R. McDonald, Mermaid...

A NEW LOT OF REMINGTON TYPE-WRITERS in all models also a number of very special bargains in second-hand typewriters...

ESCAPED FROM BOX AT DOMINION Express Office, 1 male fox, silver black. Apply Guardian Office, Mermaid.

THERE HAS BEEN ON MY PREMISES since July, one sheep and lamb. Marks two notches under right ear. Owner can have same by proving property and paying for this advt.

LOST

LOST—A GOLD BAR PIN, MARKED Victory Loan Office. Apply Guardian Office, Mermaid.

LOST—NEAR WEST KENT SCHOOL. Boys' Gauntlet. Finder please bring to Guardian office.

LOST—ON BOARD PRINCE EDWARD, new suit case, probably taken by mistake. Please communicate with W. R. 65 Edward St.

LOST—ON ST. PETERS ROAD, ABOUT a month ago, electric starter for King car. Finder will be rewarded by leaving at Prince and McKinnon's, Great George St.

FOR SALE

FOR SALE—40 GALLONS CYLINDER engine oil. Apply at Guardian office. 2608-11-27-Mfr

FOR SALE—TWO FULL GROWN bull terriers from the imported stock. Both registered. Apply to the Union Bank.

FOR SALE—A STOVE FOR \$12.50 before end of the year. Apply to McNeill, 90 Great George St.

FOR SALE—120 ACRES CHOICE LAND clear, well watered, good buildings. 2 1/2 miles from Charlottetown. Will sell with or without stock, crop and machinery.

FOR SALE—NINE ALMOST NEW mackerel nets and good bait nets; perfectly rigged with top knot. Anyone wanting same will do well to call George Hume, Bristol, P.E.I.

WANTED

WANTED—THE OLD COIN, SHIPS Colonies and Commerce, W. A. Kain, 116 Germain Street, St. John's, N.B.

MUSKIEAT SKINS WANTED AT ONCE 10,000 muskies for which I am prepared to pay you more money than you have been receiving for your furs.

WANTED—RAW FURS, HIGHEST market prices paid for Mink, Sable, Mink, Skunk, Otter, and all kinds of fox skins. Careful grading. Fair treatment. E. E. Rayner, Summerside, representing Speer Fur Corporation, New York.

WE CAN PRINT FOR YOU, for your next order, for billheads, letter heads, envelopes, and all kinds of stationery. All kinds of pamphlet work done. Special prices on large quantities. The Job Printing Department of The Island Guardian Publishing Co., 176 Kent St., Charlottetown.

TEACHERS WANTED

WANTED—TEACHER FOR MOUNT Tryon school. Supplement \$50.00. Alex. A. Wood, Secty., Albion, R. R. No. 1.

WANTED—SECOND CLASS TEACHER for Hermitage School District No. 12. Supplement \$100 for balance of year. J. J. Curley, Secretary.

WANTED, EXPERIENCED TEACHER for Southport school. To start Jan. 1. Supplement \$100 per annum. Apply Perley Mutch, Southport.

WANTED—FOR ANGLE SHORE school district No. 13, second class teacher. Supplement \$100 per annum. James A. Ferguson, Secty.

WANTED—TEACHER FOR MOUNT Hope School. Supplement \$60. J. W. McPhee, Secretary of Trustees, St. Peter's, R. R. No. 2.

There is no truth in the rumor circulated lately that we have discontinued buying pork.

We can handle any reasonable quantity and pay highest current market price at all times.

P. J. NOY & CO., Hunter River.

It is really surprising how much happiness or misery lies in the circle of a wedding ring.

The moon resembles a marriage certificate, because it has something to do with the tide.

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FEMALE HELP WANTED

WANTED—A MAID FOR GENERAL housework. Mrs. D. Davies, 14 Esplanade. 5314-12-23-Mfr

WANTED—MAID FOR GENERAL housework. Good wages. Apply Mrs. Bruce Stewart, 14 Water St. 2725-12-2-Mfr

WANTED—TWO WOMEN OR WOMAN with one or two girls to clean Prince Edward and Strand Theatres. Steady work to night parties. Apply to manager of Prince Edward Theatre. Mfr

CENTRAL GUARDIAN

IT PAYS to buy in this province.

UNDERWENT OPERATION.—Rev. P. F. Hughes, D. D., underwent a serious operation at the Charlottetown Hospital on Saturday afternoon. Last evening he was reported resting comfortably.

FIRE ALARM.—The firemen were called out yesterday afternoon for a fire in an outbuilding near the corner of Queen and Passmore Street. It was extinguished in a few minutes without much damage. It is said to have started from electric wiring.

CHRISTMAS SUNDAY.—Yesterday the Sunday after Christmas Day was observed in the various churches of the city by music, hymns and antiphons in accord with the great festival. There were large congregations and the different pastors all dealt with some phase of the Nativity.

AT ST. DUNSTAN'S YESTERDAY.—Rev. Joseph MacKenzie, Vancouver preached at the 11 o'clock service in St. Dunstan's Cathedral yesterday to a large congregation. He dealt with his subject in a masterly manner and proved himself a preacher of exceptional ability. Rev. Fr. MacKenzie is a native of Charlottetown.

Mr. Joseph Pitre, Abram's Village has arrived in the city and expects to remain for the winter.

Mr. Patrick B. McTague formerly of the employ of Prowse Bros., Ltd., and now in charge of J. J. Hughes & Co's., store at Port Vernon was in the city yesterday.

Minard's Liniment Cures Distemper.

PHILLIPS.—At Souris East on December 18th, 1919, to Mr. and Mrs. Alfred L. Phillips, a son.

VICKERSON-NELSON.—P. E. I., on December 17th by Rev. J. D. MacKenzie, Mr. Hector Charles Vickerson and Mrs. Pearl Nelson both of Montague.

MARTIN-MCDOUGAL.—At the home of the bride on the 10th inst by the Rev. J. W. McKenzie, Herbie Martin to Bessie McDougal daughter of Alex McDougal, all of Eldon, Belfast.

LAMONT.—At the home of her son-in-law 132 Water Street, Saturday December 27th, Mrs. Catherine Lamont, formerly of Montague, Funeral Monday, December 29th at 2 p. m. from 132 Water Street.

ESSERY.—At Union Road on December 28th, Harry Essery, aged 29 years son of the late Isaac Essery. He leaves to mourn his mother, one sister on the peninsula and two brothers in the province of Quebec. Funeral notice will be announced upon receipt of information regarding arrival of the brothers.

Wm. F. Riggs, died Dec. 28th, 1919. Ten dears have passed.

Since that sad day, When he, we loved, was called away His smile we miss, His welcome face, No one can fill his vacant place. HIS WIFE AND FAMILY. 5898.

WHY ARE BUBBLES ROUND? Bubbles are round because the air which forms the inside of the bubble exerts an equal pressure in all directions. It presses equally against all sides of the bubble at the same time.

Poverty is more of a punishment than it is a crime.

One should learn to talk well—also when it is well not to talk.

With the possible exception of vanity a woman may outlive all her faults.

Many a man loves his enemy because it comes out of a pocket flask.

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SOIL BACTERIA NEEDED.

Helps to Secure Successful Growth of Crops.

For the most successful growth of alfalfa, clover, beans, peas and other leguminous crops the proper kinds of bacteria should be abundant in the soil. When new legumes are grown for the first time in a locality the soil should be inoculated with the proper bacteria by artificial inoculation.

Artificial inoculation can be accomplished by spreading soil from a well-established field, where the particular legume which is to be grown



Seed From Which Plant on Left Sprang Up Was Inoculated—No Treatment Was Given Puny Plant on Right.

has been successful, upon the new land to be planted with that legume, and also by the use of pure cultures of the proper bacteria for a certain time. Too much attention cannot be given to the preparation of the field for leguminous crops. In a well-prepared seedbed the young plants get the best start and the necessary bacteria will thrive. Sour soils hinder and often entirely prevent the development of the beneficial soil organisms. To remedy this condition an application of lime is necessary. Any kind of lime may be used to advantage, but usually finely ground limestone is applied.

When a field is known to contain the bacteria suitable for a certain legume crop—for example, alfalfa—shown by the presence of numerous nodules upon the roots of alfalfa plants growing there, the soil is desirable for the inoculation of other fields upon which alfalfa is to be sown for the first time. Such soil, well sifted, can readily be applied to the new field through the fertilizer attachment on a drill. Two hundred pounds or more of sifted field soil will be sufficient for an acre and is best applied through the hoses. Broadcasting the soil by hand will require a larger quantity and is best done in the early morning, late evening, or on cloudy days, as the sun's rays are injurious to the bacteria in the thin layer of inoculated soil thus exposed to it. The field should be immediately harrowed after broadcasting the soil. Transferring field soil from any considerable distance is expensive and subject to the danger of introducing troublesome weeds, insects and plant diseases.

Invention for Keeping Milk Fresh. The question of keeping milk fresh has become more and more acute during the past few years. Different methods have been tried, but the results have not been satisfactory.

However, it now looks as if the problem has been solved, as a young Danish mechanic has invented a method by which milk may be kept sweet for months, and possibly for years. By this process the butter-fat particles are split up, so that the milk cannot set cream, and thereafter it is sterilized. Filled into especially constructed transport pails, the milk thus treated, besides keeping for months, will also retain its taste and aroma as well as its full nourishment value. The invention has been bought by a Danish creamery organization for about \$20,000. The necessary machinery is made in Denmark, and great expectations are entertained of the new product as an article of export.

No Signs of Slump. Heavy artillery horses purchased in America for the British army sold up to \$1,312 at Tattersall's auction in London last month. Sixty head realized \$49,035, an average of \$544, which was considerably more than the British Government paid for them. On the following day another lot of 102 head brought \$49,885, an average of \$489. The Percheron type predominated at both sales.

Don't Neglect the Tomato. For your home garden, do not neglect the tomato. It is desirable to start the plants in the house or a hotbed, and to transplant them once or twice in order to secure strong and vigorous plants by the time all danger from frost is past.

Labor-saving Appliances. Labor-saving appliances, and still more labor-saving appliances, is the one sure means of meeting the farm labor problem.

Co-operation. The continued shortage of labor on the farm involves the necessity for more co-operation and exchange of work between farmers.

If you would outshine your neighbors, acquire a good reputation and then keep it polished.

Never crack a joke on delicate

AERIAL MAILS CAN BE MADE PAYING PROPOSITION

British Correspondent Deals With Various Phases of This Important Subject Submitting Figures as to Cost.

LONDON, Dec. 19.—So far none of the attempts to conduct aerial mails can be considered as other than experimental, although some of the services in the United States are now almost regarded as established institutions, notwithstanding that they cover routes already served by railways.

These lines, of course, must be regarded from a different standpoint from those over undeveloped countries, such as the French Colonial Air Mails, although the lessons to be drawn from the latter are equally important. Great Britain has been curiously reluctant to make an experiment of the kind, and the air-mails inaugurated during the great railway strike were only flown for a week. The charge of 2s. per letter restricted the use made of them by the public, and was doubtless intended to have this effect: it was an emergency service, pure and simple. Previous air mails in Great Britain, such as the London-Whitby service in 1911, were merely for propaganda purposes, and not intended as serious post-office experiments.

Economy Paralyzes Aviation. Aviation, so far as official work is concerned, has been almost at a standstill in Great Britain since the end of July. There is great uncertainty as to the future of the various departments; and, added to that, the economy campaign has had a paralyzing effect in this and many other directions. Allowing as much as possible for these depressing influences, it remains a mystery why no definite steps have been taken to establish aerial mails which, so far from being uneconomical, would actually bring in revenue.

Apart from the conviction afforded by the figures presently to be quoted, which show conclusively that air mails can be conveyed at a profit to the post office, there is the benefit to be secured by finding employment for men and for factories. Great Britain more than any other country engaged in the war has on her hands a class of mechanics, many of whom have no other practical training than aviation. Large numbers of them are out of employment; but they have to be fed and clothed. Why should they not be usefully employed?

The figures given here, then, are all based upon a rather extravagant estimate. One calculation assumes that a four-engine machine carrying only one ton at 100 miles per hour in five-hour stages will cost 40s. per ton mile. In other words, the cost of running such a machine for one hour will be \$200; a machine, an operator, carrying half a ton instead of one ton will cost \$240 per hour as a ton-mile proposition. At £2 per ton mile it costs .0134d. to carry one ounce for one mile. The rates then for the following journeys are: London-Birmingham, 151d.; London-Bristol, 134d.; London-Newcastle, 308d.; London-Glasgow, 509d.

A member of the Aircraft Manufacturers Association is quoted as saying that 2s. per ounce was too high a charge, and that 6d. per ounce would be remunerative. His statement is undoubtedly true, as in no case do the figures given here amount to 6d.

Acrodrome Accommodation. One authority puts the cost at £100 4s. per ton mile, on the assumption that the government would provide adequate aerodrome accommodation; in which case it would cost one-sixth of a penny to carry 1 pound one mile; about 1s. 3d. to carry 1 pound 100 miles; 13s. 1d. to carry 1 pound 1000 miles; and £65 10s. to carry 100 pounds 1000 miles.

Another estimate—and one which in the writer's opinion is nearer the mark—puts the cost per ton mile at £1 11s. 8d. Like all others, it includes insurance and upkeep and evenly divisible item. It is, however, based upon war experience, and obviously in peace time this would be regarded as extravagant. One estimate, it is to be noted, comes down to 17s. 6d.

It is not reasonable to expect a full load for each journey, and a margin should be allowed for possible errors. The fact remains, a machine with available lifting capacity of one ton can carry some 50,000 average letters and at 1s. each these would yield £2500 revenue. Even at the higher estimate given above, such a machine could travel 10 hours at 80 miles per hour (800 miles) and still have a margin of £500 profit for the journey!

The figures given are, of course, not to be taken as absolutely accurate; but all except the lowest estimate are should be remembered that no allowance is made for the inevitable reduction of running costs that will come in the near future, provided manufacturers are encouraged.

AMERICAN TUG HELD IN ICE AT CAPE BAULD. CAPE BAULD, N. B., Dec. 25.—On December 4th the U. S. S. B. tug Diligent, Salem, Bison, Terrier and Active left Montreal for Boston reaching Sorel that night. The following morning two of them left for Quebec the other three turning back to assist a steamer that had lost its propeller. On account of ice and snowstorms, their progress was slow and the tug Terrier and Active and Diligent reached Quebec on December 8th. After taking on supplies a start was made on the morning of December 9th, but on account of snow they did not reach Father Point until noon of December 10th. A gale was then blowing from the west and after landing the pilots the tugs became separated, the Diligent making the north shore in the lee of Point Des Monts, riding out the sale there. Spray and seas washing over her had frozen so that she was

Large Force Essential.

Furthermore, as frequently urged by leading statesmen and military men, it is essential for the security of the country, not that a large air force should be maintained on a war footing, but that the industry of aircraft manufacture should be preserved on such a basis that it could, if the necessity arose, quickly expand and meet all demands. At present, unfortunately, the personnel are being kept in idleness; they are losing their training; many are leaving the country; and aeroplane manufacture is rapidly being reduced to a mere trivium.

In the United States, France and Germany, this disintegrating process has not been so complete, and it appears now to have come to an end. Aerial mails, besides more than paying for themselves and quickening the circulatory system of the community, would arrest this disintegration of vital industry. The proof that they would pay is afforded by a vast array of figures before the writer, of which only the conclusions will be given. The figures are all based on the working cost of multi-engine machines, on the assumption that only with such craft could reliability be secured. These machines are much more expensive in upkeep than single-engine machines; and recent experience of the London-Paris service with single-engine machines shows that almost perfect reliability can be secured with them. The same is true in the United States. And, with perfected organization, more frequent emergency landing grounds would be provided, with remounts.

Cost Per Ton Mile.

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then carrying about 60 tons of ice on her hull. She reached Gaspe on December 13th where she again took on stores and proceeded on her way on December 15, reaching Northumberland Straits on the morning of December 16. The ice was then quite heavy and the tug being constructed of wood the captain decided to run north of the Prince Edward Island to avoid the ice in the Strait, but the ice was so heavy that the captain decided to wait in the Strait for better weather. The cool and water supply got low necessitating rationing. The ice then was so heavy that the only place they could make was Cape Bauld, where the tug was caught in an ice jam that still fast in it.

J. D. ROCKEFELLER GIVES HUNDRED MILLION.

NEW YORK, Dec. 27.—John D. Rockefeller yesterday gave to mankind a Christmas present of \$100,000,000, half to the General Education Board to raise the salaries of college professors and half to the Rockefeller Foundation to aid in its work of combating disease through improvement of medical education, public health administration and scientific research. It is estimated that Mr. Rockefeller's public gifts now approximate \$450,000,000.

While leaving to the General Education Board the task of selecting the colleges which shall receive awards for their teaching staffs and the amount each is to receive, Mr. Rockefeller urged that the principal as well as the income be used "as promptly and largely as may seem wise."

Five Millions for Canada. The trustees of the Rockefeller Foundation also are authorized to utilize both the principal and income of their gift, in connection with which Mr. Rockefeller added, that if the Board "should see fit to use any part of this gift promoting medical education in Canada, such action would meet with my cordial approval."

Such action will be taken according to Dr. E. G. Vincent, President of the Foundation, who stand last night that the Trustees would be asked to set aside \$5,000,000 for this purpose.

HOTEL ARRIVALS

VICTORIA HOTEL. Mrs. John A. Dodd, Waterside, P.E.I.; Miss Lottie A. Dodd, Waterside, P.E.I.; F. B. Dodd, Waterside, P.E.I.; A. Ellsworth, Bagnall, New York; J. Pope Bagnall, Hazel Grove, George M. Mutart, East Boston; H. MacPhee, Georgetown; W. G. Dystant, Charlottetown; G. A. Stone, Moncton, N. B.; A. Teucer, Montreal; W. R. Hunter, Summerside; E.W. McCready, St. John.

TAKE IT HOME TODAY. THE NEW UNIVERSITIES DICTIONARY. ILLUSTRATED. DEMAND has been tremendous. The people like the book—your neighbors are taking it in great quantities. And no wonder—it is the Best Dictionary Ever Published. All brand new this year 25 Dictionaries in one. Thousands of new words never before in ANY Dictionary. Best illustrated dictionary in the world—profuse in page and double page color plates. Bound in black flexible real grain. A LUXURIOUS BOOK. You intend to get this book sometime. Do it NOW. This is a RARE offer. It will be only a little while. This is the greatest offer ever made by a newspaper. Supply already running short. You MUST get it now or your chance forever. COUPONS AND Money Back If Not Satisfied. A \$4.00 BOOK FOR THREE COUPONS AND ONLY 85c. CLIP COUPON TODAY. 6 cents postage within 20 miles. 14 cents postage outside 20 miles.