POOR COPY

seems to be Cotswold and Leicester. Now here, no first-class butcher would have either. They are too coarse in the grain, carry too much fat, and too little lean flesh. In this part of the country, the most popular butcher's sheep is a cross out of Cheviot ewe by a Border Leicester Tup. The mother gives the lean flesh, the father adaptibily to fatten. But I don't think Canada adapted for the Cheviot. The best sheep I think would be the Oxford-down, the Shropshire-down, the South-down, and I put them in their respective degrees of merit, so far as my opinion goes. I am afraid I have tired you with my long letter. But if these hints are of any service to Canadians, it is but a poor return for the many kindnesses received by me in my journey through Canada last year.

I am yours truly,

JOHN SNOW.

HON. J. S. CARVELL, Charlottetown.

The Late Appearance of Canada Salmon.

NEWPORT, R. I., July 16th.

Editor Forest and Stream :—

An explanation has been asked of me by a number of persons of the tardy appearance of salmon in the rivers of Canada and Nova Scotia; and, not feeling able to answer satisfactorily, I referred the problem to Prof. H. Y. Hind, Windsor, Nova Scotia, a gentleman who is perhaps the best fitted of any in America to write on the physical agencies affecting the movements of migratory fish in the North Atlantic Ocean.

I have much pleasure in inclosing herewith his reply, the publication of which in *Forest and Stream* will, I think, be of much interest to its readers.

SPENCER F. BAIRD,
Commissioner.

WINDSOR, Nova Scotia, July 11th.

DEAR PROF. BAIRD :—

In reply to your letter of inquiry of the 29th of June, I send some brief notes I have made on the subject.

The question you have proposed respecting the cause of the late appearance of salmon in certain rivers emptying into the Gulf of St. Lawrence, this year, is one of great practical interest, not merely to anglers, but in the study of the artificial propagation of the salmon, and the probable causes which have led to but inconsiderable returns from very great outlay.

I shall give you a brief resume of the ideas which have occurred to me on this subject, which is subordinate to the far more interesting inquiry respecting salmon propagation.

I do not think that the unusual abundance of Greenland ice, or of local ice, has had much to do with the late appearance of schools of salmon in our rivers. In 1875 the Gulf of St. Lawrence was so choked with ice in May that several mail steamers bound to Quebec were caught and entangled in it for many days and even weeks. Yet that year was not a late year for salmon, although it was a poor year in some localities.

Every river appears to have its own schools of fish, which visit it in succession, some for breeding, others for sanitary purposes.

But they come at times which are determined by hereditary habit formed through ages of acclimatization and adaptation to the conditions of the river and the sea into which it empties. All the schools of mature fish which ascend the river or play about its mouth are not spawning schools, for there are good grounds for the belief that at a certain age and under certain conditions the salmon becomes a biennial spawner.

The spawning school which ascends in July or August to spawn in October or November, is probably destined in many cases to become the first spring school which enters the river the next succeeding spring for sanitary purposes, remains for a short time, and decends to the sea again without spawning, it being an off year to them.

Should anything happen to these spawning schools which come in July or August, so that they become greatly diminished, then the next years' spring schools, which they would have become, will be much diminished also, and a year must elapse before the early spring school returns in force.

Such an event appears to have occurred during November and December 1879, apart from the destruction occasioned by the rod and the net. This was the unusual cold of those months in the fall of 1879, the mean temperature in some parts of the Maritime Provinces falling five degrees below the mean of the same months in the preceding year.

At Manitoba the difference amounted to 20° Fahr. At Fredericton, N. B., the mean of December 1879, was 6°.90 below the mean of 1878. At St. John's, N. B., it was 5°.4 lower than December, 1878. At Sydney, N. S., it was 5°.35 lower in December, 1879, than during the same month in the preceding year. The consequence of this remarkable and sudden reduction of temperature was the early and sudden closing of the rivers. The spawning instinct, or desire, as hereafter explained, was retarded by the cold, and numbers of the fish became land-locked, descending to the sea as slinks or kelts in the early spring, but incapable of so far resuscitating themselves as to return for sanitary purposes, or, in some cases, for spawning purposes, as early spring schools, which they would have done had they descended in November or December instead of April, when the rivers broke up.

Now, with regard to those fish which have not arrived at the age, or been subjected to the conditions which compel them to produce fat instead of developing ova, and become biennial spawners, the cold of November and December, 1879, put back the desire or instinct in the fish to spawn, although their ova might be fully developed, and they retained their spawn perhaps a month or six weeks longer than usual in the manner hereafter described.

Those that escaped to the sea after this late spawning, and continued to develop ova instead of putting on fat, would not have their ova sufficiently matured early in June of the present year to induce them to leave the sea, and they migrated long after their usual time.

A very curious illustration of the effect of extreme and prolonged cold occurred in the early spring of 1879, in the well-known salmon river Tyne, in the north of England. The fish there, which usually spawn in December, and were never before known to spawn in February, were concealed from view from the 1st of December, 1878 to, the 20th of February, 1879, by a snow storm and prolonged cold of unusual duration. When the river broke up, large numbers of salmon were observed spawning in the third week of February. Such an occurrence was never before known, and, indeed, it is quite uncommon for salmon to spawn even in January in the Tyne.

The hook on the lower jaw of the male salmon has much to do with the spawning of the female, and plays an important part in that operation; a description of which I have not seen published.

I think you will find that the ovaries in the salmon are separated from the oviduct by a delicate membrane; in fact, a hymen. The purpose of the hook on the lower jaw of the male is to break this hymen. When the female is ready to spawn, and not before, she suddenly turns on her side, and the male, always in attendance, instantly seizes her just below the pectoral fins, and with a sharp grip and pressure of the blunt hook on his lower jaw he fractures the membrane which separates the ovaries from the oviduct. The female resumes her normal position, and the operation of spawning soon after commences. The effect of the pressure of the hook on the side of the female is like what would be produced on a non-elastic sac distended with water—the sac would yield at the weakest place. In the female salmon this weakest place is the membrane separating the ovaries from the oviduct. Pressure with the hand, or even through handling of the fish, necessarily produces the same result as the ovaries are distended. The presence of this membrane gives to the female the power to retain the ova as long as she chooses, or until her instincts show her that the conditions for exuding the ova are suitable; then she lies upon her side, and the hook of the lower jaw of the male serves the purpose it was designed to fulfil.

It follows from this that there is always a certain relation between the development of the hook on the lower jaw of the male and the period of the year during which the female spawns. Hence it would be incompatible to propagate salmon in a river by bringing a female from a stream where salmon spawn in September and pairing her with a male born in a river where the fish spawn in December. The hook of the future male would not be sufficiently developed to serve its purpose, and the female would be ready to spawn before the male.

The difference between the spawning habits of salmon in rivers quite close to one another is so remarkable that the force of this adjustment of hereditary habit by a proper selection of fish is easily seen. The Severn, for instance, in the southwest of England, is one of the earliest spawning rivers known. September is by no means an uncommon date for spawning there; whereas, the river Wye flowing into the same estuary, is a late spawning river. In the Derwent, whose waters lie some fifty miles to the northeast of the Severn, the largest fish, according to Mr. Buckland, run up in September and October, whereas the spawning fish come up from December to February. In the Sackville river, emptying into Bedford Basin near Halifax, Nova Scotia, the salmon come directly from the sea into the river to spawn in the fall of the year.

In the Medway, a hundred miles to the west, salmon may always be taken with a fly in February and March whenever the river is sufficiently open, even should much ice be floating; and while the fall fish are ascending it often happens that the spent fish of the previous year are descending in great numbers. They have remained in the lakes during the winter months.

The development of the hook in the male varies very materially in point of time in different rivers, hence it would not be acting in accordance with natural laws to attempt to propagate salmon by taking a male from an early spawning river and a female from a late spawning river. Until we know more about the conditions which govern the development of the hook, it is reasonable to assume that the male and female fish resulting from the cross would have different hereditary periods of development, which would be unfavorable to the continued production of the species. Again, if a river be naturally a late river, there must be some excellent reason why it is so, and it would not be showing a proper regard for natural laws to attempt to people such a late river with salmon ova taken from fish whose home was originally an early river. Experience, acting through ages, has determined the relations of salmon to the rivers they inhabit and in order to succeed artificially it seems to me that we must imitate, as closely as possible, the results of that experience. But I am not aware that this method of reasoning has been applied to the propagation of the salmon either in Canada or the United States.

So far the chief results in our salmon rivers have been obtained by protecting existing fish, clearing the rivers of windfalls and jams, protecting the natural spawning grounds and giving the fish in the estuaries a chance to ascend by regulating the area covered by nets. This is certainly the surest way to repeople our rivers. When artificial propagation is attempted, it seems reasonable to suppose that the experience of the native fish, which shows itself in the form of an hereditary habit, should be our guide in the selection of fish from which we seek to breed and repeople any particular stream. Where no such guides can be found, late spawning males and females, and early spawning males and females should be rigorously selected, and not taken promiscuously.

HENRY YOWLE HIND.

Prof. Baird, United States Commissioner of Fisheries.

The American Team Defeated.

WIMBLEDON, July 24.—The following is a recapitulation of the scores at the three ranges:

	800 yards.	900 yards.	1000 yards.	
American	544	515	510	
English	580	559	508	
English Team, grand total				1647
American Team, grand total				1568

EXTENSIVE FAILURE.—The mercantile community at Halifax, N. S., has been startled by the announcement of the suspension of Robert Boak & Sons, West India merchants. The firm is composed of Messrs. John A. and R. B. Boak, sons of Hon. Robert Boak, President of the Legislative Council, and a prominent bank director, and the business has been carried on by the father and sons for over a quarter of a century. Some three years ago Hon. Robert Boak withdrew. The firm has met with heavy losses during the last few years, but it was thought that having pulled through the critical period they were all right now. They received news on Saturday 17th, however, of heavy losses on fish sent to the West Indies, and decided to make an assignment to their father. The liabilities are stated at $220,000, the largest creditor being Hon. Robert Boak, who holds security on all the assets of the firm. About $60,000 is scattered among mercantile firms of the city. A meeting of creditors has been called.

"CRUELTY TO ANIMALS":—The idea of good English and powers of description possessed by some of the persons who get up items for the St. John dailies, are well illustrated in the following, which we take from the *Telegraph* :—

"The victim was a poor, harmless looking dog, whom the owner had evidently got tired of keeping, and endeavored to end its days. After throwing the animal in the water several times without success they tied a large stone around one of its hind legs as a last resort."

The first sentence is one with which grammarians may wrestle in vain, while the feat of tying a stone around a dog's hind leg is one which a St. John reporter only is permitted to witness.

Miramichi and the North Shore, etc.

MACKEREL are very plentiful.

DRUGS and Patent Medicines are advertised by Messrs. Mackenzie & Co.

CANADA TEMPERANCE ACT.—See notice of Convention to be held in Chatham on 4th August.

THE ESKEDELLOC River Bridge has a span broken down and is lying with the flooring in the stream.

SALMON :—The catch of salmon this season has been only about one half as large as that of last season, which was under the average.

DON'T FORGET the Soiree and Festival to be held in Temperance Hall, Chatham, on Tuesday next by the ladies of the Methodist Church.

PERSONAL :—Mr. S. Owen, of Liverpool, is in town and intends to canoe up the Miramichi and down the St. John river—a fine trip for the time of the year.

THE JULY Session of the Northumberland County Court has been postponed until Tuesday next on account of the indisposition of His Honor, Judge Williston.

H. M. S. "NORTHAMPTON" is at St. John and the citizens sit on the wharf heads and hills waiting for the fog to lift so that they may be able to see her.

TABUSINTAC BRIDGE, at Mrs. Goodwin's, has been broken down all summer, and as there is no guard of any kind to prevent persons from walking or driving into the river, it has been a source of danger to travellers in the night.

A LOADED FISH :—An Upper Nelson correspondent writes :—About a fortnight since as Mr. Elkanah Delano, of Derby, was taking up his salmon net he found entangled in it a live bass of about 3 lbs. weight with a fish hook in its mouth, attached to which was about six feet of line, with a piece of iron about five inches long fastened to it as a sinker. The arrangement was such as is used in winter for trout fishing. The bass looked well and was lively. The peculiarity of the sinker would make any one who ever saw it know it again.

THE LORNE BRONZE MEDAL, won by Ernest A. McKay of the Chatham High School, has been received accompanied by the following letter :—

The Governor General's Secretary presents his compliments to Mr. Ernest A. McKay, and in transmitting to him the accompanying medal, is desired by the Marquis of Lorne, to convey to him an expression of his Excellency's sincere congratulations on the success which has attended his efforts in the recent competition.

Government House, Ottawa,
July 20th 1880.

The medal is a handsome one and will be highly prized by the winner. We have no doubt that Mr. McKay, who, we understand, is to enter the University, will continue to distinguish himself as a scholar.

A Visit to the Almshouse.

On Thursday last, 22nd, a lady from Douglastown visited the Almshouse, and went through it. She then asked if it would interfere with the rules of the establishment, if she provided the material for a picnic for the inmates that evening. Mrs. Harrington, the matron, said she would gladly receive anything so sent; and be happy if the lady herself could be present on the occasion. In the evening a number of baskets duly arrived, containing everything of the best, necessary for an excellent tea for the inmates, which all heartily enjoyed.

Mr. Harrington, the keeper of the Almshouse, regrets his absence during the lady's visit, but returns his sincere thanks on his own and the matron's behalf, as well as that of the inmates, for the kind thoughtfulness exercised towards the institution. We understand that the same lady often visits the Almshouse and never comes empty handed.

Rifle Competition.

The first of a series of Rifle Competitions intended to be held on the Chatham Range during the present season took place on Thursday last, the day being a fair one for rifle practice. The competitors were marksmen who contributed 50 cents each for prizes and expenses and the number, who put in an appearance at the Ranges was sufficiently large to make the contest quite interesting. The ranges fired over were the longest in which the Snider rifle is commonly used—400, 500, 600, yds. and the number of rounds fired at each being five. The first prize was carried off by Mr. Jas. Pallen, who scored 55 points; the second by Mr. D. T. Johnstone whose score was 50 points; the third by Mr. A. H. Pallen, with a score of 45 points and the fourth by Mr. M. C. Clark, with 41 points. Messrs. S. U. McCulley and A. Hay each made 35 points and fair scores were made by some of the marksmen from out of town, Mr. C. S. Russell scoring 34 and Mr. F. W. Sweezy being also well up. It is expected that another competition will be held in a week or ten days. Due notice, however, will be given of the time when it is to come off.

The Drama.

Chatham is enjoying the Dramatic performances of one of the best and largest companies that has visited the town for a long time. Mr. Wm. Nannary of St. John, who is recognised as one of the leading Theatre-managers of the Dominon, is the chief business man of the combination, Mr. Harry Lindley, whose recent visit to Chatham had already rendered him a prime favorite, being associated in the management. The star is Mr. E. T. Stetson and the leading lady, Miss Ida Van Courtland, who has for a good while been a great favorite with St. John and Halifax audiences. Supporting these are Louisa Foster, Mr. A. Tavernier, Mr. John Armstrong, Mr. P. Nannery, Mr. Barfoot, Mr. Blacklock and half a dozen others, the whole making a strong company. They opened on Tuesday evening with "Kentuck." an American play, rather above the average of its class, which was performed in a very satisfactory manner, Mr. Stetson. Mr. Lindley, Miss Van Courtland, Louise Foster, Mr. Tavernier, Mr. Armstrong, Mr. Blacklock and others in the cast, pleasing the audience very thoroughly. Mr. Stetson's acting was very fine—his John Woodford being well-sustained throughout. Last night "Hamlet" was to be played. The piece for to-night is "Rosedale" and with "Neck and Neck" for Friday night. We have not learned what the piece for Saturday night is to be.

The company will appear at Newcastle on Monday night in "Kentuck" and give "Hamlet" on Tuesday night.

Singular Statement.

Captain Collin, of the bark "Comorin," of and from Liverpool, which arrived at Halifax last week for orders made the following statement :—

On July 4, in latitude 47 deg. 18 min., longitude 31 deg. 43 min., the ship "British Queen" lay becalmed within 300 yards of our ship. A person, supposed to be the master, was on the poop of the ship and commenced firing from a loaded rifle straight at our vessel, taking deliberate aim. Six or seven shots were fired, and the whizzing of the bullets could be distinctly heard by every one on our vessel's deck. As soon as possible afterward, I signalled to him that I would report him at the nearest point, to which signals he did not reply.

The statement was also signed by the mate, carpenter, cook, steward and two boys of the "Comorin."

[The "British Queen," Capt. Ellis, is owned by Messrs. R. A. & J. Stewart, and is bound to Miramichi from Queenstown.]

An Odd Epitaph.

In Moorfields Burying Ground, opposite Chatham, is a stone bearing the following inscription :—

Beneath this sod, laid down to rest,
Till the tremendous day,
Lies Janet, wife of John McLeod,
Who in Glenelg did stay.
His heart disconsolate did grieve,
To part his loving spouse,
But while the mandate bid him live,
He had no power to choose.
Connubial bands their hands did join
In July '87,
November cold on the same day,
1811,
Did Death's fell hand, by Heaven's decree
Fulfil the vows then given.
While they enjoyed each others charms
On this terrestrial globe
She brought 12 pledges to his arms,
A present from his God;
The number of the female sex
Was stipulate at 5,
Of 7 fine, and likely boys
6 did herself survive.
She lived the age of 87.
We trust she's gone to glory
And unto all that's left behind,
This speaks *memento mori*.

Bathurst Notes.

BATHURST, July 26, 1880.

GLOUCESTER COUNTY COURT.

The July term of the Gloucester County Court opened on Tuesday the 13th inst., Hon. Edward Williston presiding. The following is the Docket.

CIVIL.

Chas. Boss and Rich. D. Southwood *vs.* Samuel T. Miller and F. J. Gatain—A. A. Davidson files Record.

Thomas Stack *vs.* Nathaniel Dempsy—DesBrisay files Record.

George Smith *vs.* Peter J. Hachey—Maclauchlan files Record.

George Smith and Charles H. Mann *vs.* Thomas J. Smith — Maclauchlan files Record.

CRIMINAL.

The Queen *vs.* John B. Viel. Embezzlement and breaking and entering.

In the case of the Queen *vs* John B. Viel, the Grand Jury found "No Bill" and the prisoner was accordingly discharged.

Boss and Southwood *vs.* Miller and Gatain—assumpsit for goods sold and delivered—Plea general issue and notice of set off.

The Plaintiffs claim amounted to $125.-12, and the Defendants sett off $121.40. The principal item in the Plaintiff's Bill of Particulars was one Boss Freezer $90. The Defendants claimed that the Freezer was useless and not fit for the purpose for which it was intended, and claimed $100, damages therefor, in addition to their set off. After a lengthy trial lasting three days the jury found a verdict for the Plaintiffs for $15.66—Davidson for Plff's., DesBrisay for Defendants.

Thomas Stack *vs.* Nathaniel Dempsey. Assumpsit for wages. Plea general issue and notice of set off. Plff. claimed $164.40 for 18 months and eight days work at $9.00 per month. Defence was that Plff. was hired for $40 per year and board. Verdict for Deft. for balance of $1.25,—DesBrisay for Plaintiff, Maclauchlan Attorney and L. J. Tweedie Counsel for Deft.

George Smith *vs.* Peter J. Hachey. Assumpsit for goods sold and delivered. Plea general issue and Bankruptcy under Act of 69. Defendant not having a discharge under the Act, evidence of the proceedings in Bankruptcy was rejected by His Honor as being no answer to the action. By direction of His Honor, the jury found a verdict for the Plaintiff for the full amount claimed $146.72. On motion of Mr. DesBrisay a rule *nisi* was then granted returnable in November term, calling on the Plaintiff to shew cause why the verdict should not be set aside and a new trial granted. Maclauchlan Attorney and Tweedie Counsel for Plaintiff, and DesBrisay for Defendant.

George Smith and Charles H. Mann *vs.* Thomas J. Smith. Assumpsit for goods sold and delivered. Plea general issue. By consent of parties this case was left to arbitration, and Messrs. K. F. Burns Samuel Bishop and Anthony Rainey appointed arbitrators, their award to be entered as the verdict of a jury, Maclauchlan Attorney and Tweedie Counsel for Plff. DesBrisay for Deft.

Court adjourned *sine die*.

THE LEWIS POTOSKY FOLLIES Dramatiques appeared in the new Temperance Hall three nights last week. They were greeted each night by large audiences. Their first night entertainment was considered very good, indeed, but the two succeeding nights rather inferior.

PERSONAL.—The Hon. Messrs. Bowell and Baby spent Wednesday night last in Bathurst. They were met at the Station at 7 p. m. by Hon. John Ferguson, Messrs. K. F. Burns, Collector O'Brien, and a few others who accompanied them to the Wilbur House. They were called upon by a number of gentlemen during the evening and left by the six o'clock express next morning.

Hollow Political Demonstration at Tabusintac.

A correspondent who was recently in Tabusintac writes under date of Monday as follows:—

There has been no little quiet amusement over the reception with which Hon. Mr. Adams and his friend, Mr. Denis McEvoy, met last week in Alnwick. It appears that soon after Mr. Adams' accession to the office of Surveyor-General, he deemed it necessary to commit himself to sundry promises in Alnwick, some of which he has kept. Among these was the appointing of Mr. James Robertson a J. P. The latter is a person who can neither read nor write, but has a very exalted opinion of one gentleman who can do so, viz. Hon. Mr. Adams. Mr. Robertson, having been appointed to a prominent position, endeavored to live up to its dignities as he understood them, and he imagined, in a short time, that he was quite as important a personage as any of his neighbors. On several occasions he represented to Mr. Adams that ever since one dark day in Sept. 1878—when the latter lay down and slept, while a majority was being polled for the man against whom both he and Hon. R. Young were working with the aid of Robertson, Fayle, Petrie and a few others—his star seemed to be in the descendant, and it required a public address, to be delivered in the Robertson School House at Tabusintac to promote a reaction. Mr. Adams had not fallen in readily with the idea proposed, but even with Robertson as a J. P. life was very monotonous in that vicinity. Therefore Robertson went to his neighbor, David Petrie, Esq., who *can* write and that great supporter of the Surveyor-General wrote to him for Robertson, informing him that he was expected to be in Tabusintac on Wednesday evening last, where it was arranged that he should address the public on the political questions of the day in the Robertson School House. Petrie says Adams always addresses him as "Dear old boy" and on this occasion the "Dear old boy" was led to expect his dear Surveyor-General, when the usual interchange of common sentiments respecting the sad mistake the County made, when it put Messrs. Young of Caraquet and Adams of Newcastle to the "right about" for interfering with the electors of Alnwick in Sept. 1878. Pursuant to the Petrie-Adams correspondence a paragraph appeared in what the ADVANCE calls the *Advocate's* Court Circular as follows:—

"To-day Mr. Adams leaves for Neguac to inspect roadwork at settlement of St. Joseph and, by request, will proceed to Tabusintac to meet some friends."

It is to be presumed that Mr. Adams had prepared for a great effort at the Robertson School House on Wednesday for he, no doubt, realises that he has an immense political contract on his hands in Alnwick. He has a great many broken promises to patch up, and even with the assistance of so profound an adviser as Mr. McEvoy, with Messrs. Robertson and Petrie as local auxilliary prompters, he would find it very difficult to make the people understand just where his political honesty and honor come in. Of course, he desires to blame his wicked Caraquet partner for some of the short-comings of which he has been guilty, and to have it understood that "the Youngs" are at the bottom of a good deal of his bad faith. It was, therefore, with no small misgivings that he and McEvoy prepared for the speech that was to be delivered on Wednesday at the Robertson School House. He had come down prepared with his most graceful mode of acknowledging the enthusiastic cheers with which he felt Messrs. Petrie and Robertson would see that he was received. Mr. McEvoy was equally ready to "smile" himself and see that everyone else did the same. Well, they arrived. Whether any others of the Adams party attended I do not know, but the object of the Surveyor General's visit leaked out before bed-time and also the fact that he had given his two friends a "blowing up" for the sell they had perpetrated on him and gone off to Ralph Fayle's to spend the night—a madder and wiser man. Speech he made none because he found no one idle enough to listen. If Mr. Adams saw the place called St. Joseph, he must have ascended in a balloon and viewed it through one of the "powerful glasses" which he generally carries. At the same time he might have seen the River des Caches Bridge and caught a glimpse of the money that he has allowed to be thrown away on it. I would suggest the following for the next "Court Circular" :—

Went, "by request" to Tabusintac to meet some friends. They went back on him, notwithstanding the extra attraction of Denis McEvoy, Esq. who condescended to accompany him, in the absence of Hon. Robert Young and private Secretary Collins.

Proceeded to Fayle's same evening and was welcomed with open arms. Felt better while there.

Went home Thursday very mad and with a speech on his mind, and hoping the ADVANCE would not hear of the way Robertson and Petrie sold him.

Yours, A ST. ANN DEVOTEE.

Late Telegraphic Notes.

Five hundred men are employed by the Steel Co. of Canada, at Londonderry, N. S. Their second blast furnace is being got ready.

Excellent specimens of marble and manganese have been discovered at Folly Village.

A young Nova Scotian has completed an invention for a rifle at which he has been working five years. Drawings have been shown to several sportsmen and British and American military men. It is believed to be superior to any repeating rifle now made. It is designed for cavalry or naval rifles, throwing 13 shots in as many minutes and it is said to be actuated by less movements than any other rifle known. Among the principal points of superiority claimed for it, are better and simpler loading action, as the loading, extracting of empty cartridge case, and cocking are all done by a single movement of a knob placed on the right side of the gun. It is discharged by pressing the safety guard upwards with the second, third and fourth finger of the right hand, pulling at the same time the trigger with the first. It would be impossible for the gun to be discharged accidentally. A joint stock company is being organized to introduce the invention.

Mr. Costigan arrived in Winnipeg on Wednesday night.

The Conservative convention, at Selkirk, after two days sitting and a host of ballottings, adjourned till Monday next without a candidate.

The Brockville *Recorder* again announces that the Dominion Government have decided to sell the Thousand Islands by auction.

It is rumored that the general elections will take place in Quebec this fall.

On dit, that Mr. Ouimet, Superintendent of Public Instruction, Quebec, will be elevated to the bench, and Mr. Chauveau, Sheriff of Montreal, made Superintendent of Public Instruction, and Mr. Dansereau made Sheriff.

The trial of the second prisoner in the Oka Indian case was completed on 24th at Aylmer, and the jury acquitted the prisoner without leaving the box. The trial of the other prisoners has been adjourned till January next. They were released on bail.

The Princess Louise will only remain in England one week; she then goes to Mannheim, in Germany. Capt. Collins, A. D. C., has left Ottawa to accompany H. R. H., to England.

Postmaster General Connor is writing a letter explaining away his former communication about Clerical influence in politics.

CONSTANTINOPLE, July 22.

Greece has just decided to mobilize her army.

CAPE TOWN, July 22.

Official intelligence from Basutoland announces a general refusal to disarm. European women and children are being sent away. A general native rising is seriously apprehended.

The Cost of Education.

We find in a contemporary the following statement of the cost of education per head of the people of several countries, in England and on the continent of Europe:—

Germany	72	cents per head.
England	45	" " "
Austria-Hungary	41	" " "
France	36	" " "
Spain	34	" " "
Italy	20	" " "
Russia	8	" " "

It is shown that, in New Brunswick, taking the population at 280,000, the amount paid, by Provincial grants and from the County fund tax alone, is 87 cents per head, or 15 cents per head more than in Germany, 43 cents more than in England, and 79 cents more than in Russia. The writer from whom we quote says that if the district assessment were included, the cost per head for education in this Province would be double the highest rate paid in Europe. This is an item of expenditure about which the public entertain no sentiment of penuriousness. but the fact remains and is becoming more and more impressive "that we pay entirely too much for the "whistle," however valuable that "whistle" may be. Under the misleading idea of a grand universal free schools system," we undertake too much and pay too much for the returns made.—*Sentinel.*

Shipping Intelligence.

Port of Chatham.

ENTERED.

July 22—Bk. St Lawrence, 563, Gerner, Liverpool, bal., Geo McLeod.

Bk. Kong Sverre, 401, Olsen, Bordeaux, bal., A. Morrison.

Brig Chester, 200, Owens, Teneriffe, bal., W Muirhead.

24—Bk. Maria, 420, Faeks, Spain, bal., J. B. Snowball.

Bk. Næshem, 502, Tollisen, Havre, J. B. Snowball.

27—Bk. Richard Parsons, 1,160, Packard, New York, bal., Guy, Bevan & Co.

CLEARED.

July 22—Bk. Bruennow, Paget, Liverpool, deals, Guy, Bevan & Co.

Bk. Albion, Pedersen, Oran, deals, G. McLeod.

24—Bk. Jennie Eugenie, St. Malo, deals, Guy, Bevan & Co.

26—Bk. Astrea, 641, Christiansen, Great Grimsby, boards, Guy, Bevan & Co.

27—Bk. Carl, Friedrich, Koch, Clyde, timber and deals, A. Morrison.

Port of Newcastle.

ENTERED.

July 20—Bk. Fjellested, 478, Floreness, Havre, bal., R. A. & J. Stewart.

22—Bk. Anna Dorothea, 523, Jantzen, Bordeaux, bal., R. A. & J. Stewart.

24—Bk. Inveresk, 799, Gertsin, Liverpool, bal., Geo. Burchill.

Bk. Brave Lourmel, 477, Enault, Marseilles, R. A. & J. Stewart.

26—Arlington, 617, Palmstrom, Dundee, C. F. Todd.

CLEARED.

20—Deotdler, 344, Vieman, Hull, deals, Geo. Burchill.

23—Bk. Abram Lincoln, 683, Ostund, Dublin, deals, R. A. & J. Stewart.

26—Bk. Tros, 687, Brager, Oran, Africa, deals, R. A. & J. Stewart.

Vessels in Port.

CHATHAM.

Bk, Mary Jane, Poppy,	J. B. Snowball.
Bk. Fimajanger, Nelsen,	"
Bk. Acturus, Bradhoff,	"
Bk. Maria, Faeks,	"
Bk. Næshem, Follisen,	"
Brg. Chester, Owens,	Wm. Muirhead.
Bk. Richard, Parsons,	Guy, Bevan & Co.
Bk. Kong Sverre, Olsen,	A. Morrison.
Bk. St. Lawrence, Gerner,	Geo. McLeod.

NEWCASTLE.

Bk. Fjellsted, Floreness,	R. A. & J. Stewart.
Bk. Ann Dorothea, Jantzen,	"
Bk. Brave Lourmel, Evault,	"
Bk. Hoffnung, Garlisch,	"
Bk. Fjellestad, Florenzo,	"
Bk. Inveresk, Gertsen,	Geo. Burchill.
Bk. Alfred, Schroeder,	"
Bk. Arlington, Palmstrom,	C F. Todd.

MARRIED.

At the residence of the bride's father, Newcastle, on Wednesday evening 21st inst., by the Rev. Mr. Aiken, James B. Russell Esq. to Miss Jane, third daughter of Mr. James Murray.

DIED.

At Douglasfield on the 10th inst., Christina, beloved wife of James Irving aged 26 years.

At Chatham, on Tuesday evening, 27th inst., Wm. Scott, only son of David and Elizabeth McIntosh, aged three months and six days The funeral will take place to-day (Thursday) at 2 p. m The interment will be at Moorfield.

At Oak Point, on Sunday the 18th inst., Mary relict of the late Finlay Morrison, aged 82 years.

New Advertisements.

BAY DU VIN ISLAND

GRASS,

AT AUCTION.

To be sold at Auction at Bay du Vin Bridge, on Tuesday 10th day of August, at 11 o'clock, a. m., the Grass on Bay du Vin Island, in lots to suit purchasers. Terms approved joint notes payable 1st July next.

A. D. SHIRREFF, Auctioneer.
Chatham July 1880. 515

EGG ISLAND

GRASS,

AT AUCTION.

To be sold at Auction at Bay du Vin Bridge, on Tuesday 10th day of August, next, at 11 o'clock, a. m., the Grass on Egg Island, in lots to suit purchasers.

Terms approved joint notes payable 1st July, next.

A. D. SHIRREFF, Auctioneer.
Chatham, July 1880. 515

PIC-NIC.

A Pic-Nic will be held

3RD OF AUGUST,

On the Church Grounds,

St. Margaret's, Upper Bay du Vin,

to raise funds to carry on the work of

Rebuilding the Priest's House and Barn,

which were destroyed by fire in April, last.

A Good Day's Recreation is Offered.

There will be

REFRESHMENTS AND AMUSEMENTS

of different kinds.

☞ Come and see, and you shall receive the worth of your money. ☜

Entrance Fee	25 cents.
Dinner,	25 cents.
Tea,	20 cents.

Children half price.

P. S. Should the day prove unfavorable the Pic-Nic will be postponed to the 1st fine day.

TILDEN'S

Genuine Extract of Malt.

ENO'S FRUIT SALT.

BEEF IRON AND WINE.

JOHNSON'S FLUID BEEF.

GOLDEN ELIXIR.

FELLOWS' LEAMINGS ESSENCE.

LIME JUICE, (PTS. & QTS.)

DICK'S HORSE AND CATTLE MEDICINES.

A Fresh Supply Just Received this week, at the

NEW DRUG STORE

Prescriptions carefully prepared at any hour of the day or night.

MACKENZIE, & CO.

NOTICE!

At a meeting held in the Temperance Hall, Chatham, on Monday July 26th, composed of representatives of Newcastle and Northumberland Divisions of Sons of Temperance, the Chatham Temperance Reform Club, and several Temperance men, the following resolution was adopted :—

WHEREAS Proclamation has been issued calling an election to take place in the County of Northumberland under the Canada Temperance Act on the 2nd of September next. Therefore

RESOLVED—That the several Temperance Societies throughout the County are hereby requested to send one or more delegates to represent them in a convention, to be held in the Sons of Temperance Hall, Chatham, on Wednesday the 4th day of August next, at 10 a. m., for the purpose of taking steps for promoting and securing the adoption of the Act in this County, and further

RESOLVED—That the friends of Temperance throughout the County are cordially invited to attend the said convention in the interest of the cause.

GEO. STOTHART, Chairman.
D. MCLACHLAN, Secretary.

FOR SALE.

The subscriber offers for sale three good Milch cows, apply to

JAMES MURDOCK.
Black Brook, July 24, '80. 512*

LOST.

On last Saturday evening July 3, between the subscriber's residence and the Post Office, a ten dollar note. The finder will be suitably rewarded by leaving it with the undersigned.

HENRY KELLY.

General Business.

FURNITURE, &c.

AT AUCTION.

I will sell by public auction, at the corner of Jas. Brown's store, Newcastle, on

WEDNESDAY, 4TH AUGUST,

at 12 o'clock, noon, a lot of Furniture, &c., belonging to Dr. W. J. G. Dawson, as follows:—

1 Table Piano, H. F. Miller, Boston, Maker.
1 Set Parlor Furniture, except table,
1 Hair Mattress.
1½ Doz Stair Rods.
Stove Irons.
1 Buggy.
1 Sleigh.
1 Feather Bed.
1 Sofa.

The Piano can be seen at any time before the sale, at the residence of Mr. Wm. Gremley.

Terms.—$10, Cash; over that amount three months on approved joint notes.

CHARLES MARSHALL,
Auctioneer.

July 20, '80.

Lime Juice, Vinegar,

Haying Tools.

JUST RECEIVED:—

20 GALLONS, LIME JUICE,
5 Doz. Lime Juice, in pints and half pints,
3 Doz. Lime Juice Cordial,
1 Cask Cider Vinegar,
5 Demijons, French White Wine Vinegar,

SCYTHES,

"The celebrated Clippers."

SCYTHE SNAITHS,

The latest patent.

RAKES,

Canadian and American.

Forks, Scythe Stones, &c.

At prices to suit the closest buyers.

GEO. STOTHART.

Chatham, July 22, '80.

CHATHAM DRIVING PARK.

A meeting of the Stockholders of the Chatham Driving Park Association, will be held at the office of the President, L. J. Tweedie, Esq., on the evening of Monday, 2nd August, at 7.30 o'clock, p m. A full attendance is requested.

ROBERT BAIN, Secretary.

Chatham, July 21, '80.

TO FARMERS.

The Subscriber who is agent at Chatham, for Messrs Reid Bros., of the

Tryon Woolen Mills of P. E. Island,

begs to inform farmers that he has on hand a stock of CLOTHS, FLANNELS and BLANKETS, from that establishment, which he is authorized to dispose of on the most liberal terms.

Either wool alone, or part payment in money and the balance in wool, or whole payment in cash, will be received for any of the manufactures named.

The price for Cloth, is from 32 to 45 cents (according to quality) to cover expenses of manufacturing and 18 oz. of wool, per yard.

The price for Flannel is 20c for manufacturing and one pound of wool per yard.

The price for large blankets per pair is 10 lb. of wool and $2.20 for manufacturing.

Persons requiring first class goods for general wear, should examine the stock and samples now on hand.

JOHN BROWN, Chatham.

Lime Juice.

1 Cask Montserrat Lime Juice from the

PURE JUICE OF THE LIME FRUIT,

For sale low by

J. R. GOGGIN.

100 Kegs, CUT AND WROUGHT NAILS AND SPIKES, selling at manufacturer's prices.

BEST REFINED IRON, all sizes.

Paints, Oils, Varnishes, Glass, &c.

together with a largest and most complete stock of

HARDWARE

ever offered for sale in Miramichi.

Purchasers will find it to their advantage in calling before buying elsewhere. Prices are very low.

J. R. GOGGIN

AT

H. WYSE'S,

NEWCASTLE.

Receiving this day, at H. Wyse's:

MAPLE SUGAR, PRUNES,
TAMIRANDS, ORANGES, LEMONS
GREEN & DRIED APPLES,
RAISINS, CURRANTS,
CITRON PEEL, SUGAR,
BUTTER, PEAS, RICE,
BARLEY, SPLIT PEAS,
HOPS, PRESER