

METEOROLOGICAL. Reported for the Dominion Gov't by G. A. BLAIR, Esq.

MAY-JUNE.

DATE.	Time.	Height (Bar)	Thermometer	Maximum	Minimum	Thermometer
Sun.	7.30 a.m.	30.10	42.7			
	3.30 p.m.	30.07	57.4			
	11.45 p.m.	30.07	57.4	68.8	57.4	
Mon.	8.30 a.m.	29.95	54.5			
	3.30 p.m.	29.95	64.5			
	11.45 p.m.	29.95	64.5	80.8	54.5	
Tues.	8.30 a.m.	30.02	60.7			
	3.30 p.m.	30.02	67.7			
	11.45 p.m.	30.02	67.7	81.1	60.7	
Wed.	8.30 a.m.	30.02	64.5			
	3.30 p.m.	30.02	64.5			
	11.45 p.m.	30.02	64.5	80.8	64.5	
Thurs.	8.30 a.m.	30.02	60.7			
	3.30 p.m.	30.02	67.7			
	11.45 p.m.	30.02	67.7	81.1	60.7	
Fri.	8.30 a.m.	30.02	64.5			
	3.30 p.m.	30.02	64.5			
	11.45 p.m.	30.02	64.5	80.8	64.5	
Sat.	8.30 a.m.	30.02	60.7			
	3.30 p.m.	30.02	67.7			
	11.45 p.m.	30.02	67.7	81.1	60.7	

The column for Maximum Thermometer shows the highest temperature for every day.
The column for Minimum Thermometer shows the lowest temperature for every day.

Varieties.

(Continued from last week.)

Composition for Covering Boilers and Steam Pipes.

The process has been employed for some time with great success for preventing the loss of heat from steam pipes, domes of generators, cylinders of steam engines, etc. It consists in covering the same with a mixture of sawdust (no matter from what wood) and ordinary flour paste in a very liquid state. The sawdust being added to make a thick paste, and applied according to the following directions, will form a compact mass, the adherence of which is very great when applied on clean surfaces of wrought or cast iron; but on copper pipes it is more difficult to apply the first coat, in which case it is necessary to wash the copper pipe to be covered with a clay wash made with potter's clay until it forms a thin coating, after which the sawdust and paste will adhere firmly. It is very simple to apply; any ordinary mason with a small trowel is all that is necessary. Lay on five successive coats one fifth of an inch thick. Let the pipes or other objects to be covered be kept warm by the aid of a little steam, and let one coat be perfectly dry before applying a second. Should the pipes be outside, exposed to the open air, give them three or four coats, and let the last be made waterproof, but if inside of a building it is not necessary. It is well to pass the sawdust through a sieve, to cleanse it from the coarse fragments of wood which are always to be found among sawdust. There is no contraction in drying the composition, therefore no leakage. Steam pipes so covered, the correspondent believes, lose less heat than when covered by any other patented process sold for that purpose. It is much less expensive, and much more efficient. The sawdust is to be found in most factories, scarcely of any value. With 1 cwt. of flour (about \$5.75 worth) the sawdust can cover as much surface as formerly with \$200 worth of the composition he was then using, which cost him at the rate of 75 cents or \$1 per cwt. Its lightness renders it still more valuable for such purposes. There is very little expansion or contraction in the pipes, being well protected; therefore no leaky joints.—*Textile Manufacturer.*

Sheep Farming in California.

It is estimated that from one half to two thirds of the sheep in the State have perished from starvation. The flocks of cattle is not so large as they were taken to the mountains in time. Dr. Swain, of Watsonville, recently started for the mountains with a flock of over three thousand sheep, and with over three hundred of over twenty-five hundred of them now mark the route taken. The doctor says that unclaimed dead and dying sheep cover the plains; and hundreds of sheep and lambs fall into line behind the wagon of the traveler, and follow in the hope of getting a morsel of hay. One man from the San Joaquin valley lost every sheep he had—over a thousand—during a storm, and went home a penniless man. Another, an Italian, thought he could save the cost of ferrying his sheep across the Tuolumne river by swimming them, and eight hundred were drowned in the attempt. Another man east of Visalia, despairing of ever getting his sheep to where he could sell them, turned twenty thousand out to starve. If he undertook to drive them to the mountains many of them must die of starvation before reaching there because there is no feed on the way; and then, when the mountains are reached, all the good feed already taken up by the men who hold possession, shot gun in hand, and who are desperate enough to fight to the death, there will probably be aged many cases of bloodshed and death in the mountains this summer, and many stock men will mysteriously disappear to return no more.—*Watsonville (Cal.) Transcript.*

Chop Prospects.

So far as we can learn the prospects for the crops throughout Ontario, at present are unusually favorable. The tall wheat is secure against almost everything, except wet weather during harvest, except wet weather during harvest, except wet weather during harvest. It has come through the winter perfectly safe, and has now stood out so thickly, and is so vigorous, that it can stand a good deal of drought, and there should be that to contend with. Of spring grains, there has been a large breadth sown, especially of wheat, and so far no improvement on the position could be asked for.—*Montreal Witness.*

The town of Ardahan, which is claimed to have been captured by the Russians, is about forty miles from Achalzik, the Russian post which the invading army set out. It is fifty miles from Kars. Ardahan is a place of great strategic importance, being situated between two mountain chains, one separating it from Kars, the other from the coast. Its possession gives the Russians command of a great valley as far as the Soghan mountains, where the way is barred by Mukhtar Pasha's forces, which hold a chain of posts by which they maintain communication with Kars. The fall of Ardahan will enable the Russian army which invested it to cause a diversion that may lead to the speedy surrender of that city.

Kiernan's Athens despatch says the new Grecian Ministry has decided to participate in the Eastern war.

THE SHIPPING OF CANADA.

Assuming \$30 per register ton to be a fair average value for all the vessels registered in the Dominion, including new and old sailing vessels and expensive passenger steamers, it would give a total value of \$37,825,790, or about 25,000,000 tons. The number of new vessels which were registered in the Dominion during the year 1876 was 420 measuring 130,901 tons, which shows a falling off of about 20,000 tons as compared with the previous year. Estimating the average value of new vessels built at \$45 per ton, it would give a total value of the new tonnage built in Canada, during last year, of \$5,900,540, or 21,178,109 tons.—*Naval Magazine.*

Chicago, May 28.

The Presbyterian General Assembly Committee on church erection made a report showing the gross receipts to be \$106,000, and the balance \$26,000, 172 churches have been erected during the year with an average paid to each church of \$500. 450 churches have been erected during the year, but depend on the Board of Home Missions. The Board needs \$150,000 for next year and appeals to the churches to raise it.

A young Indian girl who had curiously watched the process of marking her head in a flour mill in Winona, Minn., stole in one day, and taking possession of the stencils ornamented her blanket with the words "Ellsworth's Choice," and paraded the streets in great delight, but to the disgust of Mr. Ellsworth, who is a bachelor, and had made no such choice.

The report of the Commissioner of Fisheries, just issued, shows the total value and produce of Canadian fisheries in 1876 was \$11,147,590. The increased value over the previous year is over \$700,000, the Nova Scotia fisheries for the year being \$6,250,000, and those of New Brunswick nearly \$2,000,000.

CHEAP GOODS!

CHEAP GOODS.

EXTENSIVE SALE

RICHARD DAVIDSON'S

STORE!

\$20,000

STAPLE & FANCY GOODS

TO BE SOLD AT COST

BY THE

LAST OF JULY.

ENTIRE STOCK OF GOODS

OUT AT COST.

WHOLESALE AND RETAIL.

PARTIES WISHING TO PURCHASE LARGE LOTS BY WHOLESALE

WILL BE ALLOWED TIME.

Or will be given a Liberal Discount FOR CASH.

THE STOCK

HAS BEEN WELL LAID IN AND CANNOT BE EXCELLED.

THE PUBLIC ARE INVITED

To call and examine for themselves.

THE SALE will commence on the 28th of this month.

POSTERS

WITH CATALOGUE OF PRICES WILL BE ISSUED.

GOLD MINE FOUND!

NO HUMBUG.

YOU will find this to be strictly true by buying your Goods from the Subscriber, who is prepared to give his customers

BETTER VALUE

Than any one in the trade, notwithstanding the tremendous discounts some pretend to be giving.

SATISFY YOURSELVES

By pricing the Goods, they are easily shown and will speak for themselves.

JUST RECEIVED:

A new lot American Cottons, Few pieces of Floor Oil Cloths, good

Boots and shoes; Ready Made Clothing; Hats and Caps; AND A full line of HARDWARE.

JUST RECEIVED:

A large assortment of Room Paper, nice pattern.

Expected from England, Per "Jardine Bros."

A Full Line of DRY GOODS

OF EVERY DESCRIPTION.

Which will be offered at a very low figure.

W. PARK.

Newcastle, April 17, 1877.

MIRAMICHI FOUNDRY

Machine and Boiler Works,

CHATHAM, N. B.

The Subscriber manufactures to order all descriptions of

Brass and Iron Castings and Machinery,

including Steam Engines and Boilers, Gang and Rotary Saw Mills, Flour, Thrashing & Bark Mills, Shattling Pulleys, Flanges, Steam and Water Pipes, Rail-ways Castings, &c.

And has also on hand Assorted sizes of SHIP'S WINDLASSES, CAPSTANS, WINCHES, WARPING CHOCKS, SIDE PIPES, PUMPS & CADDOES, together with a variety of

Cooking, Hall and Parlor Stoves and Hollow-Ware,

Cemetery Railing, School Desks and other Castings, Wrought Iron Pipes & Fittings, Boiler Mountings, Globes, Check, Safety and Steam Valves.

—ALSO—

A good assortment of Spur and Bevel Gear, Friction and Pulley Tatties.

WE MANUFACTURE

Agent for Judson's Steam Governors.

We will sell these Governors at Manufacturers' prices, freight and duty added.

ESTIMATES ON APPLICATION.

JAMES W. FRASER.

Chatham, Jan. 30, 1877.

CUSTOM TAILORING.

THE Subscriber has opened a FIRST CLASS TAILORING ESTABLISHMENT in the Shop formerly occupied by Mr. P. H. Anslow, and owned by the Hon. Wm. Mulholland, near the corner of Queen Street, Chatham. Gentlemen wanting Clothes made to order for

SPRING AND SUMMER,

will do well to examine his splendid assortment of

English and Canadian CLOTHS

to select from.

GENTLEMEN'S GARMENTS made up under the general supervision of Mr. Stewart, of Scotland, who is a FIRST CLASS CUTTER.

Cloths purchased elsewhere will be made up on the premises.

W. S. MORRIS.

Chatham, April 30, 1877.

Jas. R. Howie's

CUSTOM TAILORING

AND

CLOTHING ESTABLISHMENT.

MARBLE HALL,

Queen Street, Fredericton, N. B.

SPRING STOCK OF

NEW CLOTHS

of the Latest Styles just to hand, to which inspection is respectfully invited.

Fancy Worsteds Coatings, Trousers, Tweeds of all makes, &c.

A GOOD FIT GUARANTEED in every case.

Orders from the country especially attended to.

READY-MADE CLOTHING

AND

Cents Furnishing Goods,

of all Descriptions on hand.

Inspection respectfully invited.

JAMES R. HOWIE.

Fredericton, May 2, 1877.

MANCHESTER HOUSE.

JUST RECEIVED:

2,000 Yards American Prints,

at 9 and 10 CENTS PER YD.

1,000 Yds. American Grey Cotton, full yard wide, at 10 cents per yd.; 900 yards all white Cotton, at 10 cents per yd.; 700 yds. 80 inch White Cotton, assorted prices.

KNITTING COTTON,

PAST COLORED.

W. S. LOGGIE.

Chatham, May 7, '77.

"VICTOR & HUGO."

The Northumberland Agricultural Society will travel for the Season the above Enormous Horse travelling various sections.

All further information and places of stoppage made by the Green, and no fee will be paid by the end of the travelling season.

Services for the Season, \$4.00.

D. T. JOHNSTONE, Secy.

WM. SEARLE, Groom.

Chatham, April 27th, 1877.

NEW STEAMERS

AND OVER.

DURING the obstruction of the navigation of the St. Lawrence, and until further notice the above Steamers will run as follows:—

"NEW ERA."

LEAVE NEWCASTLE. LEAVE CHATHAM.

5.30 a.m. 9.30 a.m.

11 a.m. 12 noon.

2 p.m. 3.15 p.m.

6 p.m. 7.30 p.m.

On SATURDAY EVENINGS the "New Era" will leave Newcastle at 6.30 p.m., instead of 8 p.m., and Chatham at 8 p.m., instead of 7.30.

"ANDOVER."

On MONDAY, TUESDAY, WEDNESDAY, FRIDAY & SATURDAY of EACH WEEK, will leave Newcastle for Derby, at 7 a.m.

Derby for Chatham, at 9 a.m.

Chatham for Derby, at 2 p.m.

Derby for Newcastle, at 5 p.m.

Connecting with New Era for Chatham, and on Thursday

will leave Newcastle for Redbank at 6 a.m.

Redbank for Chatham, at 8 a.m.

Chatham for Redbank, at 1 p.m.

Redbank for Newcastle, at 4 p.m.

Connecting with New Era for Chatham, and on Thursday

will leave Newcastle for Redbank at 6 a.m.

Redbank for Chatham, at 8 a.m.

GOOD NEWS!

GOOD NEWS.

I BEG leave to call the attention of Housekeepers to the

Good News Portable Range.

It is the most elegant, compact and convenient Cooking Apparatus ever offered to the public, combining among its many improvements a very large and thoroughly ventilated OVEN, enlarged Portable Hot Closet, improved Swing Shelf which is level with top of range, giving the largest amount of top surface of any Range made.

A MOVEABLE RAIL,

A very ingenious affair for keeping the dress from contact with the stove, or for drying clothes. Works equally well with either wood or coal, and builds more than an ordinary cook stove and saves the amount of work with less fuel.

Warranted to be a perfect baker and only needs to be seen to be appreciated.

I am now prepared to fill orders for the above Range, and will deliver and put in complete working order to purchasers free of extra charge.</