

METEOROLOGICAL.

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

OCTOBER.

DATE.	Time.	Barometer.	Thermometer.	Wind.	Remarks.
Sun.	10.30 a.m.	30.07	55.3		
"	1.00 p.m.	29.97	54.0		
"	1.45 p.m.	29.90	53.6	SE 4	
Mon.	8.30 a.m.	29.79	52.4		
"	5.30 p.m.	29.86	57.1		
"	11.45 p.m.	29.90	56.3	SE 3	
Tues.	8.30 a.m.	30.01	53.9		
"	5.30 p.m.	29.97	52.6		
"	11.45 p.m.	30.07	52.6	SE 3	
Wed.	8.30 a.m.	30.25	56.2		
"	5.30 p.m.	30.22	56.2		
"	11.45 p.m.	30.19	54.3	SE 3	
Thurs.	8.30 a.m.	30.30	54.3		
"	5.30 p.m.	30.29	59.1		
"	11.45 p.m.	30.23	53.3	SE 3	
Fri.	8.30 a.m.	30.36	58.2		
"	5.30 p.m.	30.34	58.2		
"	11.45 p.m.	30.34	58.2	SE 3	
Sat.	8.30 a.m.	30.38	57.8		
"	5.30 p.m.	30.38	57.8		
"	11.45 p.m.	30.34	57.1	SE 3	

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

Garm and Household.

Pickling Butter in Salt.

We find the subjoined article in the N. Y. Independent's agricultural department, and give it for the benefit of our readers. There's a good deal of sense in the plan recommended:—"I have pickled butter in brine for three years; washed fresh butter in brine ten years; packed jars in dry salt one year. I am of the opinion that butter can be carefully made, packed, preserved, that it will as ripe and improve that it is really better at six months old than when it was six days or six hours old. As a proof of my opinion, I send you a sample made and packed in June last. After supplying two families beside my own with butter from one cow, there was a surplus at the end of each week left to be saved and packed for my winter use. I used three gallon stone jars. After pressing down the butter at the time any 'salt' put in, I poured on two quart of brine. At each addition poured off the brine, put in the butter, and returned the brine. When nearly full, I brine about an inch deep. Prepared a box, the inside of which was about two inches in diameter larger than the jar; placed at the bottom of the box about an inch of common salt, set in my jar; on all sides filled salt. A poorly drained & ventilated cellar is the common place of storage on the prairie, and if this cellar is not enough there is added a taint of cabbage and onions. Driven to desperation, some resort to hanging the butter in a well as few have good springs. This important item to the farmer for butter purposes is a deep cellar, not less than twelve feet, sides of stone and bottom well concreted. Windows should be arranged to give good ventilation, open at night and closed during the day. Such a cellar will vary but little in temperature. Next to the cool, dry cellar is a spring house, and some prefer this to the cellar, a spring house can be cheaply constructed near the well, and with a wind-pump would be easily operated. When there is considerable descent from the well the spring house may be walled with stone and covered with dirt, making it a bank-house, with pipes for ventilation. A thing considered, the deep, dry cellar, well ventilated, is the best for butter.

Advantages of the Use of Lime.

An English writer sums up an exhausts his article upon lime by detailing the advantages of its use, then:—"The advantages of the use of lime are so many and so great that it is almost impossible to enumerate the whole of them. Their efforts may be described as being both mechanical, and as being exerted both on the organic and inorganic constituents of the soil. The following may be taken as a summary of the principal benefits: 1. A large produce of cereal crops of superior quality. This is especially the case with wheat, which becomes thinner skinned and yields more flour. The peas grown upon lime lands are better bodied. 2. Upon deep alluvial and clay soils it increases the crop of potatoes and renders them less day. Sprinkled over potatoes in the store heap it preserves them, and when riddled over the cut sets it wonderfully increases their fertility. 3. Lime eradicates the finger and toe disease in turnips, and gives great soundness and more nutritive qualities to the bulbs. 4. It gives, when applied to meadow lands, a larger produce of nutritious grasses, and checks the foot-rot in sheep pastured upon them. It also exterminates 'fence,' as well as coarse and sour grasses, destroys couch grass, and acts powerfully upon ryegrass. 5. Upon arable land it destroys the corn-maggot, and weeds of various kinds. 6. It rapidly decomposes vegetable matter, producing a large amount of food for plants in the form of carbonic acid gas. 7. It destroys or neutralizes the acids in the soils, hence its adaptability to our soils. 8. It acts powerfully upon some of the organic parts of soils, especially on the sulphate of iron found in peaty soils, and sulphate of magnesia and alumina. 9. It prevents fungi to worms and slugs, and the larvae of injurious insects, though favorable to the growth of shell heaters. 10. It destroys the germ of smut upon the seed of wheat, barley, and

is especially acceptable to the barley

crop, which is generally of good quality on chalky soils. 11. Slacked lime added to vegetable matter causes it to give off its nitrogen in the form of ammonia. Upon soils in which the ammonia is combined with acids it sets free the ammonia, which is directly seized up by the plants. 12. Its solubility in water causes it to sink into and ameliorate the sub-soil. When the soil contains fragments of granite or trap rocks, lime hastens their decomposition and liberates the silicates. 13. Its combination with acids in the soil produces saline compounds, such as potash, soda, etc. 14. It exerts a marvellous effect upon rape, though it is said to injure fax, which in Belgium is not grown for seven years after lying. 15. Strewed over the young plants, it destroys or turns away the turnip fly. 16. Worked in with grass seeds, the beneficial effects of lime, chalk, marl, and shell sand have been visible for a period of thirty years. 17. It has a powerful pulverizing effect upon the wealden clay, on the sand stone formation, and on the granite and slate rocks. 18. It is generally supposed to hasten the ripening of grain crops. 19. It promotes the formation in the soil of what are called the double silicates. This process starts with the clay, or silicate of alumina, and is afterwards continued through the silicate of alumina and lime, A. and ammonia. 20. Applied to the rot-heap, lime effectually destroys the seed of weeds. To sum up its advantages—when properly applied to the soil it purifies and stimulates its action, thereby promoting the growth of healthy vegetation of all kinds."

Deferred Matter.

(CROWDED OUT LAST WEEK.)

The year 1881 will be a mathematical curiosity. From left to right and on right to left it reads the same: 1881. Twelve years ago, 1869, it read 9181, and 1869 is the quotient of 1881 divided by 209.9 is the quotient, it is divided by 9 the quotient contains a 9; if multiplied by 9 the product contains two 9's. One and 8 are 9; 8 and 1 are 9. If the 18 is placed under the 8 and added, the sum is 99. If the figure be added then, 1, 8, 8, 2, it will be 18. Reading from left to right 18, 8, 8, 2, reading from right to left 18, 8, 8, 2 is two-thirds of 81. By adding, dividing, multiplying nine ten 9's are produced, being one 9 for each year required to complete the century.

The Police Magistrate at Clerkenwell Court, London, has been called upon to decide the knotty question whether a man who goes into a dining-room and eats a dinner which he cannot pay commits a felony or only incurs a debt. In the case before His Worship the defendant was very indignant that he should be charged with stealing his dinner. He contended that the affair was a matter of business, and that he was simply required to the landlord for the value of the dinner. The defendant contended that he was taken time to consider his decision.

DISTINGUISHED VISITORS.—At the City Council sitting last night, Hon. Michael Adams, Commissioner Crown Lands, New Brunswick, and John Costigan, Esq., M. P., visited the Council Chamber, under the guidance of Mr. F. Walsh, Esq., and others. The Council received the distinguished visitors with much interest, and the Mayor, who had been seated at the head of the Council, rose to receive them. The Mayor, who had been seated at the head of the Council, rose to receive them. The Mayor, who had been seated at the head of the Council, rose to receive them.

For the Little Folks.

Philip's First Day.

"Black your boots, sir?"
"You a bootblack? You look too dainty to be to that craft. How long have you been in the business?"
"My first day, sir."
"Your first day? I suppose you work for half price?"
"No, sir."
"Not you don't expect to get boss wages while you are an apprentice, do you?"
"I have learned my business, sir, and I think I should have full price, when I do work as well as anybody, if it is my first day."
"O, you don't! I'll try your skill, and see if you can make these boots as bright as the last boy who 'shined.' I think he was not your brother, for his face and hands looked darker by several shades, and he was not such a dandy as you in his dress, either."
"Mr. brother is too small to black boots, sir; and as for my clothes, mother has always kept us tidy, so far."
The faintest possible quiver about the boy's mouth warned Mr. Mother that he had carried his bantering far enough. So he resumed the conversation in another key: "Your mother must be a neat woman to keep you so clean and whole. Have you a father?"
"Yes, sir, but he is out of work."
The factory doesn't run any more, since the panic broke, and he is clean discouraged. He's sick all the time now. Mother's most discouraged, too.

PETROLEUM!

—WE BEG TO—

CAUTION

The trade and consumers against the use of any

ROCK, OR

COAL OILS

Branded with a STAR, unless our name in full appears on each package. We have commenced proceedings against parties for the infringement of our

TRADE MARK:

"SILVER STAR;"

(With a five-pointed Star painted red on each package.)

And shall prosecute to the full extent of the law all persons who sell or attempt to sell oil for illuminating purposes branded in imitation of our trade mark.

WE ARE ALSO PACKERS OF

REFINED OIL!

In patent tin cans, and are the only manufacturers in Canada.

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J. L. ENGLEHART & CO.,

PRODUCERS, REFINERS AND SHIPPERS,

PETROLIA, ONTARIO, CANADA

J. BULLOCK,

Nelson Street, St. John, N. B.

SOLE AGENT

For New Brunswick, for the above Oils, which he keeps constantly in Stock, and

Is Prepared to Supply the Trade.

Aug 30-3m.

\$300

A MONTH'S GUARANTEE. \$12 Red Rover brandy, the most famous and purest of the world. We will start you with a quantity of this brandy, and if you are not satisfied, we will return the money to you. The brandy is light and pleasant, and is a good deal of it for you. When, in due time, Mr. Mother's saw Philip, he was as well pleased as Mr. Mother.

Philip has been with Mr. Deckerman now two months, and if he holds out as well as he has begun—and I believe he will, for he says to heart what he reads in his book about not serving with evil service, but faithfully—we can safely predict (you and I) that by and by, when you and he are grown up, Philip Smith will be not only a partner in the firm, but a faithful Christian gentleman.

ALL CLASSES.

Fellows' Dyspepsia Bitters rank very high among all diseases of people as a set of the best medicines known. This extraordinary medicine will purify the blood and set most powerful on the stomach, Liver, and Bowels, giving energy and vigour to the system. Fellows' Dyspepsia Bitters are recommended as a never failing remedy for Indigestion, Jaundice, Bilious Complaints, Bad Breath, Sick Headache, Constipation, Heartburn, Waterbrash, Loss of Appetite &c. Price 25 cents.

MOST RELIABLE.

Fellows' Balsam of Colicofat and Liverwort is one of the most reliable remedies in the world for Coughs, Colds, Influenza, Hoarseness, Whooping Cough, Croup, Sore Throat, Asthma, Difficulty of Breathing, Spitting of Blood, and all Disorders of the Lungs, Chest and Lungs. Wonderful cures have been effected by F. W. Balsam of Colicofat and Liverwort given at once a powerful influence over the system of the kind before any other. Price 25 cents.

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TRUSTEES' NOTICE.

WESLEY C. HOLDSWORTH, of New Brunswick, in the County of Northumberland, late in the Province of New Brunswick, Confession, has this day assigned all his Estate and Effects to me, for the benefit of his creditors, as shall within one month execute the Trust Deed. I therefore require all the creditors of the said Wesley C. Holdswordth to file their claims and execute the Trust Deed now lying at my office, within that time, or they will be precluded from participating in the benefits thereof.

All persons indebted to the said Wesley C. Holdswordth are required to make immediate payment.

Newcastle, 7th October, 1879.

WM. A. PARK.

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"UNION ADVOCATE"

STEAM

PRINTING ESTABLISHMENT.

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PLAIN & COLORED

COMMERCIAL

—AND—

General Printing

which we can produce to the satisfaction of all who may kindly favor us with their orders, both as regards style and price.

ALL ORDERS for the following, or for other work not mentioned will be carefully and promptly attended to.

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PAMPHLETS, CIRCULARS,

COMMERCIAL CARDS,

VISITING do.,

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