

METEOROLOGICAL OBSERVATIONS taken at 26 Beaver Hall, Montreal, by THOS. D. KING, for the week ending Feb. 3, 1873.

	Mean Temp. 7 A. M. to 9 P. M.	Max. Temp. of day.	Min. Temp. previous night.	Mean Rel. Hum. 7 A. M. to 9 P. M.	Mean Height of Bar.	Gen. Direction of Wind.	State of Weather.
Jan. 27	11.0	19.0	9.0	80	29.85	Vari.	Snow.
28	13.2	22.0	13.0	81	29.87	W	Snow.
29	-0.5	-4.0	-17.0	75	30.24	W	Clear.
30	1.8	7.0	-10.0	78	30.02	S W	Clear.
31	20.3	26.5	9.0	80	29.99	W	Clear.
Feb. 1	-3.0	6.0	-5.0	75	30.15	W	Clear.
2	7.5	14.0	-10.0	74	30.10	W	Clear.
3	13.2	21.0	5.0	80	29.81	S W	Cloudy.

Extreme Range of Temperature, 43.5; of Humidity, 20.0; of Barometer, 0.61 inches.

CALENDAR FOR THE WEEK ENDING SATURDAY. FEBRUARY 15, 1873.

SUNDAY.	Feb. 9.—Septuagesima. Volney born, 1757.
MONDAY.	" 10.—Congreve born, 1670. Aaron Hill born, 1685. Ducdale died, 1686. Vossius died, 1689. Montesquieu died, 1755. Canada ceded to Great Britain, 1763. Dr. Nares died, 1783. Dr. Milman born, 1791. Queen Victoria married, 1840. Union of Upper and Lower Canada, 1841.
TUESDAY.	" 11.—Descartes died, 1650. Fontenelle born, 1657. Shenstone died, 1763. Lord Sydneyham, Gov. nor. 1840. Inundation of Vienna, 1871.
WEDNESDAY.	" 12.—Lady Jane Grey beheaded, 1555. Cotton Mather born, 1663. Crebillon born, 1707. Kant died, 1804.
THURSDAY.	" 13.—Benvenuto Cellini died, 1576. Massacre of Glencoe, 1691. Cotton Mather died, 1728. Talleyrand born, 1751. Sharon Turner died, 1817.
FRIDAY.	" 14.—St. Valentine. Captain Cook killed, 1779. Sir Wm. Blackstone died, 1839.
SATURDAY.	" 15.—Galileo born, 1564. Bishop Atterbury died, 1732. Cardinal Wiseman died, 1835.

OUR CHROMO.

Owing to the large number of copies of the Chromo now being printed the delivery to subscribers has been unavoidably delayed. We are printing in three tints more than we originally intended, and are thus necessarily somewhat behind. The work is being proceeded with with the utmost diligence, and our subscribers may expect the delivery at an early date.

NOTICE TO CORRESPONDENTS.

Letters on business matters should be addressed to the Business Manager.

Communications intended for the Editor should be addressed to The Editor of the *Canadian Illustrated News*, and marked "Communication."

Rejected contributions are not returned unless stamps for return postage have been forwarded.

THE CANADIAN PATENT OFFICE RECORD AND MECHANICS MAGAZINE.

PROSPECTUS.

The undersigned has the honour to announce that he has been entrusted by the Honourable Commissioner of Patents for the Dominion of Canada, with the publication of the OFFICIAL RECORD OF THE PATENT OFFICE, to be illustrated by diagrams of all the patents susceptible of illustration. This Official Record will be published Monthly, and will be combined with better press and illustrations selected from the best English and foreign scientific papers, thus not only placing before the public of the Dominion the products of native genius and industry, but also keeping them posted on the progress of Science and Mechanics in other countries. Inventors will thus know in what direction to apply their ideas. Mechanics will note the advance in labour-saving appliances, and the improvement in tools. Manufacturers will be prevented from employing obsolete methods, while new machinery and modes of operation are in use elsewhere. Builders and contractors will know where to apply for all the latest productions in their line combining economy, beauty, and utility. Chemists and Druggists will be saved useless search for compounds already invented by others, and be told where to get the most recently discovered curative remedies and toilet requisites. Farmers will see every new agricultural implement illustrated and described. In a word there is not a scientific, industrial, mechanical, or commercial pursuit that will not be benefited by this publication. It is therefore expected that a very large circulation will take place among all classes, and the price is fixed correspondingly low.

THE CANADIAN PATENT OFFICE RECORD AND MECHANICS MAGAZINE will be published once a month. The official portion will cover from 15 to 32 pages, comprising from 100 to 210 patent claims, specifications and diagrams. As the publication will commence with the patents issued under the new Act, which came into operation September 1st, 1872, the first four issues will contain 210 patents each, and each successive number will contain the patents issued during the preceding month.

The unofficial portion, or MECHANICS MAGAZINE, will give in each number 32 pages of carefully selected articles and items, gleaned from the very best foreign technical papers. Every branch of Engineering, Mechanics, and Manufactures will be treated, especially such as have a practical application in Canada. For instance, Railways, Shipbuilding, Lumbering, Mining, Architecture, Machinery, Cabinet-making, and the manufacture of Cloth, Linen, Cotton, Paper, Tobacco, and other articles of Home Industry. Practical Chemistry, Mineralogy, and Natural Philosophy, will also receive attention. Original articles will be contributed by distinguished Canadian scientists, engineers and manufacturers, and the whole will be profusely illustrated.

The subscription price of the CANADIAN PATENT OFFICE RECORD AND MECHANICS MAGAZINE is fixed at ONE DOLLAR AND FIFTY CENTS per annum, invariably in advance. Single numbers will be sold at 15 cents. Appropriate advertisements will be inserted at 10 cents per line for each insertion.

The first issue will be dated 1st March, 1873, and will be distributed about the 25th instant.

Address: GEORGE E. DESBARATS,
PUBLISHER, MONTREAL.

OUR NEXT NUMBER.

The next number of the

"ILLUSTRATED NEWS"

will contain a sketch of

THE SKATING TOURNAMENT, MONTREAL;

illustrations of

THE MARMORA MINES,

and a double-page copy of a steel engraving.

'IL PENSEROSO,'

the companion picture to 'L'Allegro,' recently published.

CANADIAN ILLUSTRATED NEWS.

MONTREAL, SATURDAY, FEBRUARY 8, 1873.

We are glad to see that steps are being taken by the Custom House officials at St. John, N.B., and elsewhere, to exclude a class of disreputable literature which frequently finds its way into the country from across the border. The kind of literature referred to consists mainly of illustrated newspapers, such as the "Police Gazette," and of paltry novels of the very lowest and most trashy type. There is every reason to believe that such publications meet with very considerable support in Canada, and that not only from the lowest class of readers. The strictest measures should at once be taken for their exclusion, and as far as possible their sale should be prohibited. We have plenty of wholesome literature of our own, both in periodical and book form, which deserves the heartiest support of all Canadians. In this matter a little protection from the overflow of sensational and disreputable literature from the United States is exceedingly desirable. It is difficult to understand what attraction periodicals of the "Police Gazette" type possess for any but the most depraved appetites. The reading matter is neither instructive nor amusing, while the illustrations are conceived and executed in the worst possible taste. The sole aim of the artist appears to be the representation of over, or rather under-dressed women, in anything but modest attitudes. There is no pretension to artistic elegance; the pictures are of the coarsest and poorest kind—partaking of the worst characters, but lacking the beauty of delineation, observable in the doubtful illustrations of the Parisian school. As to the cheap trashy novels which form the private reading of too many school boys and school girls, the case is, if anything, worse. The morality inculcated is of the very shadiest kind. The heroes are generally scoundrels—smugglers, foot-pads, pirates, and not unfrequently murderers—who are painted in the most glowing colours, and are made to perform acts of the greatest bravery, until they appear to the youthful mind as surrounded with a halo of heroism. The effect is to give a false idea of true courage, and create an admiration for lawlessness, which is sometimes accompanied by a burning desire on the part of the boyish reader to emulate the deeds of the coarse ruffian whom the dime novel represents as a hero. A singular case in point occurred only a few days ago near Manchester. Two boys, bearing the romantic pseudonyms of Dick Turpin and Claude Duval, were arrested for entering a church and stealing therefrom a brass rod and a prayer-book. In the course of the examination of these sacrilegious young burglars one of them confessed to having, in association with several juvenile accomplices, committed various robberies, apparently with no particular purpose. Churches were made the especial object of their adventures, and they appear to have been satisfied with getting into a building and getting something out of it without much regard to the value of the booty. Here we see the pernicious effect of the false hero-worship of the dime-novel hero. The youthful church-breakers had actually dubbed themselves after the characters they most admired, and were doing their best—on a small scale, it is true—to render themselves worthy of their pseudonyms. Their depredations were certainly not very extensive, but it is not difficult to foresee whether their career would have lead them had it not received a timely check. It is not, however, necessary to cite cases. No one can doubt the evil effects of disreputable literature, and the sooner we are freed from it the better.

OBITUARY.

THE REV. ADAM SEDGWICK.

The Rev. Adam Sedgwick, the distinguished English geologist, died last week at the age of 85. He was born in 1788, and was educated at Trinity College, Cambridge, where he graduated as Fifth Wrangler in 1808. In 1810 he became Fellow, and subsequently Vice-Master of his college. In 1818 he was appointed Woodwardian Professor of Geology, and in 1834 Canon of Norwich. He held the degree of LL.D., and was a Fellow of the Royal Society and of the Geological Society. Dr. Sedgwick was well-known in scientific circles, and contributed largely to the Transactions, etc., of several scientific associations.

MOVEMENTS OF H. E. THE GOVERNOR GENERAL.

On Monday evening, the 27th ult., Their Excellencies the Governor-General and the Countess of Dufferin, gave a dinner-party, at which the following persons had the honour to be present: Hon. Mr. and Madame Desaulles, Sheriff and Madame Bouthillier, Col. Moffatt, Mr. and Mrs. Joseph, Mr. and Mrs. Geddes, Sheriff and Madame Leblanc, Mr. and Mrs. James Gordon, Hon. Mr. and Mrs. Spring Rice, Mr. and Mrs. Green-shield, Mr. and Mrs. Henshaw, the Mayor and Madame Coursol, Mr. and Mrs. Lamb, Hon. Mr. and Mrs. Holton, Col. Bacon and Mrs. Bacon, Mr. Gibb, Col. and Mrs. Bond, Judge Torrance, Mr. Matthews, Mr. Moody, Rev. Dr. and Mrs. Burns, Major and Mrs. Crawford, Judge Galt, Mr. Dart and Mrs. Dart, Col. Harwood, Hon. Mr. and Mrs. Young, Mr. John Kidd.

On Tuesday afternoon, Their Excellencies accompanied by Lord Claudeboye and Lady Helen Blackwood, visited the Hochelaga Convent. In the evening they were present at the Citizens' Ball, of which a brief account will be found elsewhere.

Thursday was devoted by His Excellency the Governor-General, to visiting the Irish Catholic Institutions in connection with St. Patrick's Church, viz., the Asylum, the School and St. Bridget's House of Refuge, in each of which he addressed a few words of encouragement and consolation to the inmates. In the evening Their Excellencies were present at the Fancy Dress Skating Entertainment in the Victoria Rink, Lord Dufferin passing a couple of hours on the ice.

On Friday, His Excellency visited the Court House, where he was presented with an address by the members of the Bar. In the afternoon he visited the Asile Nazareth and Blind Asylum on St. Catherine street, kept by the Grey Nuns.

On Saturday afternoon the Governor and the Countess of Dufferin were present at the Snow-shoe Races of the Alexandra Club, and in the evening at the Skating Tournament in the Victoria Rink.

On Monday morning His Excellency received a deputation from the St. George's Society, who were the bearers of an address. In the evening Their Excellencies were present at the Irish Protestant Benevolent Society's Concert. Mr. M. P. Ryan, M. P., and Mrs. Ryan were the guests of Their Excellencies at luncheon on Monday.

On Tuesday Their Excellencies were present at the Skating Tournament in the Victoria Rink, where the Governor distributed the prizes to the successful competitors.

On Wednesday morning Their Excellencies and suite left at eight o'clock for Ottawa.

THE MAGAZINES.

Every Saturday still keeps up its high reputation as a eclectic. The contents are selected with much care and excellent judgment, and are always fresh and readable.

Especially attractive feature of this publication is a translation of an interesting story by the celebrated Russian novelist, Iva Turgenieff, entitled, "Dimitri Roudine." We cordially recommend Every Saturday to intelligent readers who desire to keep up with the best periodical literature of the day.

The *Overland Monthly* opens with the story, under the very appropriate title of "Dips, Spurs, and Angles," of the operations of one of the most accomplished swindlers ever produced by the United States, which are told in such a pleasant semi-humorous manner that the reader really finds no time to spare for the blind dupes who allowed themselves to be easily led by the nose. There are in this number two stories of the supernatural kind, which are sure to find readers. At the time of the Mexico War, the paper on the Navajo Reservation is singularly opportune, and in these railroad-building days, the account of Costa Rica and the new railway now being constructed there possesses special attractions. Bishop K contributes a translation of a memoir on the early Jesuit Missions in California, from the "Lettres Edifiantes et Curieuses des Missions Etrangères." The fifth number of *Ultramarine* sketches completes this number.

Lippincott's Monthly has three papers of more than usual interest. Of these the first gives an account of the antiquities of Athens—a subject in which every classical student will feel interest. Several illustrations of various points of celebrity accompany the article. Another paper shows us Je Chumman in his new home in California, and the last—to remind the most interesting of the three—gives us a glimpse of submarine life as seen by the divers after lost treasure. This latter paper the reader will find much that will be a to him, from which he will be able to form an idea of the perils which surround the class of men whose avocations have been described. The story of the intimacy for it was more than a mere acquaintance that sprang up between the fish and the finny inhabitants of the waters he was exploring—exceedingly curious, and especially valuable as demonstrating beyond a doubt, the theory of piscine intelligence, of which Mr. Frank Buckland is a firm upholder. "Passports, G. themen" tells the story of a successful attempt made by a writer to elude the vigilance of French frontier officials. The time of the overthrow of the Commune, when the vigilance was doubly strict, owing to the number of fugit Communists then endeavouring to escape from the country. The paper on Quinine Hunting in Peru, comes to an end this number, and so does the unfortunate organizer of expedition, who, hunted down by creditors, blows out brains in despair. Reginald Wynford, contributes a sketch of country-house life in England, and Thomas Dunn Enslin a poem on an incident of the American War of Independence.

The current number of *Scribner's* contains some very excellent papers of a high class. It opens with a valuable title on the Tehuantepec Ship Canal, in which are related a pleasant fashion the difficulties that attended the survey of the country by the American party appointed to select a route. The paper on Bangkok and its surroundings gives some come information about a country which only of recent years has begun to attract attention. "How Men Learn to Analyse the Sun," is an illustrated paper by James Richardson, on Spectrum Analysis, which comes in opportunely, time when the lectures of two distinguished English scientists are awakening in the people of this continent an interest and a taste for scientific research. Social questions are