

FOR THE PROVINCE OF ONTARIO.

Vert a Sprig of three Leaves of Maple slipped, or on a chief Argent the Cross of St. George.

FOR THE PROVINCE OF QUEBEC.

Or on a Fess Gules between two Fleur de Lis in chief Azure, and a sprig of three Leaves of Maple slipped vert in base, a Lion passant gardant or.

FOR THE PROVINCE OF NOVA SCOTIA.

Or on a Fess Wavy Azure between three Thistles proper, a Salmon Naant Argent.

FOR THE PROVINCE OF NEW BRUNSWICK.

Or on Waves a Lymphad, or Ancient Galley, with Oars in action, proper on a chief Gules a Lion passant gardant or, as the same are severally depicted in the margin hereof, to be borne for the said respective Provinces on Seals, Shields, Banners, Flags or otherwise according to the Laws of Arms.

And we are further pleased to declare that the said United Provinces of Canada, being one Dominion under the name of Canada, shall, on all occasions that may be required, use a Common Seal to be called "Great Seal of Canada," which said seal shall be composed of the Arms of the said Four Provinces quarterly, all which armorial bearings are set forth in this Our Royal Warrant: Our Will and Pleasure therefore is that you, Edward George Fitzalan Howard, (commonly called Lord Edward George Fitzalan Howard), Deputy to our said Earl Marshal, to whom the cognizance of matters of this nature doth properly belong, do require and command that this Our Concession and Declaration be recorded in our College of Arms in order that Our Officers of Arms and all other Public Functionaries whom it may concern may take full notice and knowledge thereof in their several and respective departments. And for so doing this shall be your Warrant given at Our Court at St. James, this twentieth day of May, in the thirty-first year of Our Reign.

By Her Majesty's Command,

(Signed,) BUCKINGHAM & CHANDOS.

Current Exchanges Received.

*The Canadian Journal of Science, Literature, and History*: vol. XII. No. 1. (New series, whole No. LXX.)—November, 1869.

*The Illinois Teacher*, Devoted to Education, Science, and Free Schools,—December, 1869.

*The Rhode Island Schoolmaster*,—December, 1869.

*Hitchcock's New Monthly Magazine* of Choice Music, Art Notes, and Select Reading for the Family Circle,—November, 1869.

*Howe's Musical Monthly*:—Each no. has 32 large quarto pages. The contents of the present no. (6) are 12 instrumental pieces and 10 songs, Piano accompaniment, all for 35 cents. Terms, \$3.00 per annum; to Clubs, 7 copies for \$18.00. Single copies sent by mail, post paid, on receipt of 35 cents, or 7 for \$2.00. Published and sold by Elias Howe, 103 Court Street, Boston, Mass.

*Advertisers Gazette*, 40 Park Row, N. Y.,—December, 1869.

*The Manufacturer and Builder*,—November, 1869. This work,—only \$1.50 a year,—is a marvel of cheapness.

*The Michigan Teacher*,—November, 1869.

*The National Normal*,—November, 1869.

*The Pennsylvania School Journal*,—December, 1869.

*The Young Crusader*,—December, 1869.

*The American Journal of Science and Arts*,—November, 1869.

*American Educational Monthly*, Devoted to Popular Instruction and Literature,—December, 1869.

*Peters' Musical Monthly*,—December, 1869. One of the best numbers issued in 1869.

*The ORead* of Mount Carroll Seminary, Carroll County, Illinois,—November, 1869,—Vol. 1. No. 8 The first no. received.

*The Minnesota Teacher*,—December, 1869.

*Ohio Educational Monthly*,—December, 1869.

*The Maine Journal of Education*,—November, 1869.

*Packard's Monthly*,—January, 1870,—is promptly to hand, and up to its usual mark.

*The Cincinnati Medical Repertory*,—Edited by J. A. Thacker, M. D.,—December, 1869.

*Report* (No. 2.) of The Eighteenth Annual Session of the Teachers' Institute of Lancaster County, Pa.,—November, 1869.

Miscellaneous.

—*Her Majesty's Gift to Scotland*.—The *Telegraph* says that on the people about Balmoral the Queen has announced her intention of conferring a boon which will be highly prized by those who, being imbued with the traditions of Scotland, attach a high value to education: Out of the profits derived from the Sale of the "The Leaves from a Journal," she has set aside the sum of £2,500 to provide schools and college bursaries for the benefit of scholars belonging to the district round Balmoral. Three or more bursaries of £5 each, tenable for four years, will reward the zeal of deserving students at the schools of Crathie and Girnock. To the University of Aberdeen will be allotted three bursaries of £25 each, tenable for the same period, and open to the relatives of any persons who are or have been servants, retainers, tenants, or cottiers upon the estates at Balmoral, Abergeldie, or Birkhall; and, if no such students apply for the bursaries, the prizes will fall to the sons of any person residing in the parishes of Crathie and Braemar. A greater boon her Majesty could hardly confer on the poor students who seek the facilities of the parish school, and who then go to the University of Aberdeen.

—The following are the handsome bequests of the late James Gibb, Esq, to Quebec Institutions and charities:—\$20,000, to Morrin College; \$20,000 to the High School; \$20,000 to Findlay Asylum; \$20,000 to Jeffrey Hale Hospital; \$20,000 to the Ladies' Protestant Home; \$6,000 to St. Bridget's Asylum; \$6,000 to the Sisters of Charity, and \$6,000 to the Congregation of St. Roch. These sums are payable at the decease of his widow, who is left a life interest in all his estate, and the remainder, said to be about \$120,000, is to be distributed between English and French Catholics,—St. Andrew's, Chalmers', and St. Roch's Churches,—in similar proportions to those allotted to the above charities.

ECLIPSES.

—In the year 1870 there will be four Eclipses of the Sun, and two of the Moon.

I.—A total eclipse of the Moon, January 16-17, 1870.

No eclipse will be visible at Halifax, as the Moon will be set before the first contact with the Penumbra. The Moon will also set at Halifax and London and all intermediate stations before the first contact with the shadow. Hence the only phase visible will be the first contact with the Penumbra, which occurs at the local astronomical time given in the following table:—

PHASE.	Frederic't'n		Quebec		Montreal		Kingston		Toronto		London	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
First contact with the Penumbra, Jan. 16.	19	31.3	19	11.0	19	1.4	18	49.7	18	28.3	18	20.6

II.—A partial eclipse of the Sun, January 31, 1870, invisible in Canada.

III.—A partial eclipse of the Sun, June 28, 1870, invisible in Canada.

IV.—A total eclipse of the Moon, July 12, 1870.

The total phase will end before the Moon rises in Canada. The last contact with the shadow will be seen at Halifax and Fredericton soon after the rising of the Moon; and the last contact with the Penumbra will be visible at all the stations in the following table.

The following table gives the local mean astronomical time at which the above named phases occur:

PHASE.	Halifax	Fredericton		Quebec	Montreal		Kingston	Toronto		London	
	h. m.	h.	m.	h. m.	h.	m.	h. m.	h.	m.	h. m.	
Last contact with the Shadow...	8 9.4	7	59.3	...	...	...	...	...	...	...	
Last contact with the Penumbra.	9 8.0	8	57.9	8.37.6	8	28.0	8	16.3	8	4.9	7 57.2

V.—A partial eclipse of the Sun, July 27, 1870, invisible in Canada.

VI.—A total eclipse of the Sun, December 21-22, 1870, visible (as a partial one) in some parts of Canada.

From a point in or near Halifax, in latitude 44° 44' N. and longitude 4h. 14m. 44s. W.

The sun rises partially eclipsed.

The magnitude of the eclipse at sunrise 0.205 (Sun's diameter = 1).

Last contact occurs December 21, 19h. 55.5m. mean astronomical time at Halifax.

Angle from the North Pole at last contact 80° towards the East (for direct image).

As seen from a point in or near Fredericton, in latitude 46° 3' N. and longitude 4h. 24m. 32sec. a space of about ten seconds of arc will intervene between the limbs of the Sun and Moon at the time of sunrise.

The eclipse will be invisible at Quebec and Toronto.