

R. Bell

JOHN HART, PERTH.

TWENTY-FOURTH YEAR OF PUBLICATION.

HART'S CANADIAN ALMANAC

AND

Repository of Useful Information,

AND

Division Court Directory for the Counties of
Lanark and Renfrew.

FOR THE YEAR OF OUR LORD

1880.

Being Bissextile or Leap Year, and until the 20th of June, the forty-third year of the Reign of Her Majesty Queen Victoria.

Calculated for the Meridian of Montreal, in Latitude $45^{\circ} 30' 26''$ North, and Longitude $73^{\circ} 24' 22''$ West from the Royal Observatory, Greenwich. Also for the Meridian of Halifax, N. S. in Latitude $44^{\circ} 39' 20''$, and Longitude $63^{\circ} 36' 40''$, and for Perth, which is in Latitude $44^{\circ} 55'$, Longitude $76^{\circ} 15'$ West. But the Almanac is arranged to serve without essential variations for most part of the Dominion.

PUBLISHED BY JOHN HART,

At the Book and Stationery Store, Gore Street,

PERTH, ONT.

JOHN HART, PERTH.

PAINTS, OILS, VARNISHES, GLASS, PUTTY, &c., always in Stock.

Wholesale and Retail Dealer in STATIONERY, SCHOOL BOOKS, BLANK BOOKS, &c.

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CANADIAN FARMER'S ALMANAC.

1880

JOHN HART, BOOKSELLER & STATIONER.

GORE STREET, PERTH, ONT.

The following lines of Goods,

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- Glass, Putty, Brushes.
- Mixed Paints.
- Dye Stuffs.
- Garden and Field Seeds.

Quotations given for any of the above goods, and all enquiries promptly answered.—Orders by mail solicited.

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ZODIACAL SIGNS.

Aries, the Ram, Head and Face.



Pisces, Feet.

ECLIPSES DURING THE YEAR 1880.

There will be six eclipses during the year 1880, four of the Sun and two of the Moon:

I. On the 11th of January there will be a total Eclipse of the Sun, but, as it will not be visible in these parts of the Dominion, it is not necessary to say anything more, except that its greatest obscuration will be discerned at San Francisco about 4 o'clock, evening.

II. On the 22nd of June there will be a total Eclipse of the Moon not visible in Montreal, but will be visible West of Washington, in those places where the moon is in full above the horizon.

III. On the 7th of July there will be an Annular Eclipse of the Sun, invisible.

IV. On the 1st of December there will be a partial Eclipse of the Sun, visible.

V. On the 16th of December there will be a total Eclipse of the Moon, visible in Vancouver Island, but not in Montreal.

VI. On the 31st of December there will be a partial Eclipse of the Sun. It will be visible in Montreal, beginning at 7.15 in the morning, and ending about 10 minutes past 9.

MORNING AND EVENING STARS.

Venus will be Morning Star until the 13th of July, and Evening Star until the 31st of December. Mercury will be a Morning Star until the 14th of February; afterward, until the 28th of March, an Evening Star. Mercury will also be Evening Star from 2nd June to 5th August, and from the 17th of September to the 23rd of November.

THE SEASONS OF THE YEAR 1880.

| | | | h. m. | | d h m | |
|--------------------|-----------------|------|-------|----|------------------|----------|
| Winter begins..... | 1879 December | 21st | 11 | 18 | ev. and lasts | 89 0 47 |
| Spring " |1880 March | 20th | 0 | 5 | mo " " | 92 20 19 |
| Summer " |1880 June | 20th | 8 | 24 | ev " " | 93 13 34 |
| Autumn " |1880 Sept. | 22nd | 10 | 58 | mo " " | 89 18 12 |
| Winter " |1880 Dec. | 21st | 5 | 10 | mo tropical year | 365 5 52 |

For Good Coloring Recipes, see Pages at the end of this Almanac.

NEW PUBLICATIONS.

Arrangements have been made by enterprising Canadian Publishers with the English Proprietors to publish monthly a Special Canadian Edition of the following Magazines:

“The Boys’ Own Paper.”

A Miscellany for Youth, that will speak for itself wherever seen, and one that should entirely supersede the trash that is now foisted on the younger portion of the public.

“The Sunday at Home.”

A Family Magazine for Sunday Reading.

“The Leisure Hour.”

A Journal of Instruction and Recreation.

The above Publications are sold at the Low Price of \$1.50 each per year, or 15c. per Monthly Part.

“London Society.”

An Illustrated Magazine of Choice Literature.

\$3.00 per annum, or 25c. per monthly part.

The Reading Public should support this new era in Canadian Publishing Enterprise, as there are no magazines published equal to them for General Family Reading, and works that have so large a circulation in England.

All the Leading Sunday School Papers supplied to order.

Subscriptions received, or supplied at the Store, for all the leading Toronto and Montreal Daily and Weekly Papers.

Now is the time to send in your Subscriptions for the above.

JOHN HART,

BOOKSELLER AND STATIONER.

Spectacles and Eye-Glasses for all ages and sights, at prices from 25 cents to \$10 per pair, at the Perth Book Store.

| Moon's Phases. | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|------|----------------|---------------|----------------|----------------|----------------|----------------|
| Third Quarter..... | D. 5 | h. m. 2 31 mo. | h. m. 2 1 mo. | h. m. 1 55 mo. | h. m. 1 42 mo. | h. m. 1 31 mo. | h. m. 1 23 mo. |
| New Moon..... | 11 | 6 22 ev. | 5 52 ev. | 5 45 ev. | 5 34 ev. | 5 22 ev. | 5 14 ev. |
| First Quarter..... | 19 | 2 22 mo. | 1 52 mo. | 1 45 mo. | 1 34 mo. | 1 22 mo. | 1 14 mo. |
| Full Moon..... | 27 | 5 54 mo. | 5 24 mo. | 5 18 mo. | 5 6 mo. | 4 54 mo. | 4 36 mo. |

| M. Week. | Montreal. | | The Moon. | Toronto. | | Halifax, N. S. | | The Dominion. | |
|----------|------------|-----------|-----------|------------|-----------|----------------|-----------|---------------|------------------|
| | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. a. |
| 1 Thu. | 7 46 | 4 20 | 8 58 | 7 40 | 4 27 | 7 37 | 4 31 | 23 1 | 12 3 44 |
| 2 Fri. | 46 | 21 | 10 5 | 40 | 29 | 37 | 32 | 22 56 | 4 12 |
| 3 Sat. | 46 | 22 | 11 13 | 40 | 30 | 37 | 32 | 22 50 | 4 40 |
| 4 D. C. | 7 40 | 4 23 | Morn. | 7 39 | 4 31 | 7 37 | 4 34 | 22 44 | 12 5 8 |
| 5 Mon. | 45 | 24 | 0 23 | 39 | 32 | 37 | 35 | 22 38 | 5 35 |
| 6 Tues. | 45 | 25 | 1 36 | 39 | 33 | 37 | 36 | 22 31 | 6 02 |
| 7 Wed. | 44 | 27 | 2 52 | 39 | 34 | 36 | 37 | 22 24 | 6 28 |
| 8 Thu. | 44 | 28 | 4 7 | 38 | 35 | 36 | 38 | 22 16 | 6 54 |
| 9 Fri. | 44 | 29 | 5 19 | 38 | 36 | 36 | 39 | 22 7 | 7 19 |
| 10 Sat. | 43 | 31 | 6 22 | 37 | 37 | 36 | 40 | 21 59 | 7 43 |
| 11 D. C. | 7 43 | 4 33 | Sets. | 7 37 | 4 38 | 7 35 | 4 41 | 21 50 | 12 8 7 |
| 12 Mon. | 42 | 34 | 5 58 | 37 | 40 | 35 | 43 | 21 40 | 8 31 |
| 13 Tues. | 42 | 36 | 7 12 | 37 | 41 | 35 | 44 | 21 30 | 8 58 |
| 14 Wed. | 41 | 37 | 8 24 | 36 | 42 | 34 | 45 | 21 20 | 9 15 |
| 15 Thu. | 40 | 38 | 9 32 | 36 | 43 | 34 | 47 | 21 9 | 9 37 |
| 16 Fri. | 40 | 39 | 10 37 | 35 | 44 | 33 | 48 | 20 58 | 9 58 |
| 17 Sat. | 39 | 41 | 11 41 | 35 | 45 | 32 | 49 | 20 46 | 10 18 |
| 18 D. C. | 7 39 | 4 42 | Morn. | 7 34 | 4 46 | 7 32 | 4 50 | 20 34 | 12 10 38 |
| 19 Mon. | 38 | 43 | 0 43 | 33 | 48 | 31 | 51 | 20 22 | 10 56 |
| 20 Tues. | 37 | 45 | 1 46 | 32 | 49 | 30 | 53 | 20 9 | 11 24 |
| 21 Wed. | 36 | 47 | 2 47 | 31 | 50 | 29 | 54 | 19 56 | 11 32 |
| 22 Thu. | 35 | 49 | 3 45 | 30 | 52 | 29 | 55 | 19 42 | 11 48 |
| 23 Fri. | 34 | 51 | 4 39 | 29 | 53 | 28 | 57 | 19 28 | 12 4 |
| 24 Sat. | 33 | 52 | 5 27 | 27 | 54 | 27 | 58 | 19 14 | 12 19 |
| 25 D. C. | 7 32 | 4 53 | 6 9 | 7 25 | 4 56 | 7 26 | 4 59 | 18 59 | 12 12 38 |
| 26 Mon. | 31 | 54 | 6 45 | 25 | 57 | 25 | 5 1 | 18 44 | 12 47 |
| 27 Tues. | 30 | 55 | Rises. | 25 | 58 | 24 | 2 | 18 29 | 18 00 |
| 28 Wed. | 29 | 56 | 6 49 | 24 | 5 0 | 23 | 3 | 18 14 | 18 11 |
| 29 Thu. | 28 | 57 | 7 57 | 24 | 1 | 22 | 5 | 17 58 | 18 22 |
| 30 Fri. | 27 | 59 | 9 5 | 23 | 2 | 21 | 6 | 17 41 | 18 32 |
| 31 Sat. | 27 | 5 00 | 10 14 | 23 | 4 | 20 | 8 | 17 25 | 18 42 |

CALENDAR, WEATHER ASPECTS, &c.

- | | |
|----------------------------------|----------------------------------|
| 1 Circumcision. | 16 Not pleasant for travelling. |
| 2 Cold and snowy. | 17 Rough roads out East. |
| 3 Good New Year's sleighing. | 18 2nd Sunday after Epiphany. |
| 4 2nd Sunday after Christmas. | 19 Through this quarter of |
| 5 Unsettled heavy dull weather. | 20 The moon it will be |
| 6 Epiphany. | 21 Steady winter weather. |
| 7 It is now brighter with keen | 22 Some wind, but not |
| 8 frosts, and this kind of | 23 Blustery nor piercing. |
| 9 seasonable weather continues | 24 Cold. Some snow now. |
| 10 for several days and nights. | 25 Septuagesima. |
| 11 1st Sunday after Epiphany. | 26 25th. Conversion of St. Paul. |
| 12 With the new moon there | 27 The weather continues |
| 13 will be a tendency to change. | 28 cold. The aspects for the |
| 14 Some considerable snow falls. | 29 full moon are rather |
| 15 Snow both East and West | 30 stormy. The month |
| | 31 ends with cold winds. |

Teachers and Trustees should use the new series of Merit Cards. Published by JOHN HART, Perth.

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| Moon's Phases. | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Third Quarter..... | D. 8 h. m. 11 21 mo. | h. m. 10 51 mo. | h. m. 10 45 mo. | h. m. 10 38 mo. | h. m. 10 21 mo. | h. m. 10 13 mo. |
| New Moon..... | 10 6 59 mo. | 6 29 mo. | 6 23 mo. | 6 11 mo. | 5 59 mo. | 5 51 mo. |
| First Quarter..... | 17 11 27 ev. | 10 57 ev. | 10 51 ev. | 10 39 ev. | 10 27 ev. | 10 19 ev. |
| Full Moon..... | 25 9 4 ev. | 8 24 ev. | 8 28 ev. | 8 16 ev. | 8 4 ev. | 7 56 ev. |

| DAYS. | Montreal. | | The Moon. | Toronto. | | Halifax, N.S. | | The Dominion. | |
|----------|------------|-----------|-------------|------------|-----------|---------------|-----------|---------------|-------------------|
| | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| 1 D. C. | 7 27 | 5 1 | h. m. 11 28 | 7 24 | 5 5 | 7 19 | 5 9 | 17 5 | h. m. s. 12 18 50 |
| 2 Mon. | 27 | 2 | Morn. 23 | 5 | 13 | 5 11 | 16 51 | 18 58 | 14 6 |
| 3 Tues. | 26 | 3 | 0 40 | 22 | 6 | 12 | 16 33 | 14 6 | 14 6 |
| 4 Wed. | 25 | 4 | 1 53 | 21 | 6 | 15 | 16 15 | 14 11 | 14 11 |
| 5 Thu. | 23 | 5 | 3 4 | 19 | 7 | 14 | 15 57 | 14 16 | 14 16 |
| 6 Fri. | 22 | 6 | 4 8 | 17 | 8 | 13 | 15 30 | 14 20 | 14 20 |
| 7 Sat. | 20 | 7 | 5 2 | 16 | 9 | 11 | 15 20 | 14 24 | 14 24 |
| 8 D. C. | 7 19 | 5 8 | 5 47 | 7 14 | 5 9 | 7 10 | 5 19 | 15 2 | 12 14 26 |
| 9 Mon. | 18 | 9 | 6 23 | 13 | 11 | 9 | 20 | 14 42 | 14 28 |
| 10 Tues. | 17 | 11 | Sets. 12 | 13 | 7 | 23 | 14 23 | 14 29 | 14 29 |
| 11 Wed. | 16 | 12 | 7 10 | 11 | 14 | 6 | 23 | 14 8 | 14 29 |
| 12 Thu. | 14 | 14 | 8 17 | 9 | 16 | 4 | 25 | 13 44 | 14 29 |
| 13 Fri. | 13 | 16 | 9 23 | 7 | 17 | 3 | 26 | 13 24 | 14 28 |
| 14 Sat. | 11 | 17 | 10 28 | 6 | 18 | 1 | 27 | 13 8 | 14 26 |
| 15 D. C. | 7 10 | 5 18 | 11 30 | 7 5 | 5 19 | 7 00 | 5 29 | 12 43 | 12 14 23 |
| 16 Mon. | 9 | 19 | Morn. 4 | 20 | 6 58 | 30 | 12 22 | 14 20 | 14 20 |
| 17 Tues. | 8 | 20 | 0 35 | 2 | 22 | 57 | 32 | 12 01 | 14 16 |
| 18 Wed. | 6 | 22 | 1 32 | 1 | 24 | 55 | 33 | 11 40 | 14 11 |
| 19 Thu. | 4 | 24 | 2 28 | 6 59 | 25 | 54 | 34 | 11 19 | 14 5 |
| 20 Fri. | 3 | 25 | 3 19 | 57 | 27 | 52 | 36 | 10 58 | 13 50 |
| 21 Sat. | 1 | 27 | 4 3 | 56 | 28 | 50 | 37 | 10 36 | 13 53 |
| 22 D. C. | 6 59 | 5 28 | 4 42 | 6 55 | 5 30 | 6 49 | 5 39 | 10 14 | 12 18 45 |
| 23 Mon. | 57 | 30 | 5 15 | 52 | 31 | 47 | 40 | 9 52 | 13 37 |
| 24 Tues. | 55 | 32 | 5 44 | 50 | 33 | 46 | 41 | 9 30 | 13 29 |
| 25 Wed. | 54 | 34 | Rises. 47 | 49 | 34 | 44 | 42 | 9 8 | 13 19 |
| 26 Thu. | 52 | 35 | 6 51 | 47 | 35 | 43 | 44 | 8 46 | 13 10 |
| 27 Fri. | 49 | 37 | 8 2 | 46 | 35 | 41 | 45 | 8 23 | 12 59 |
| 28 Sat. | 48 | 38 | 9 15 | 46 | 37 | 40 | 46 | 8 00 | 12 48 |
| 29 D. C. | 6 48 | 5 38 | 10 28 | 6 46 | 5 38 | 6 30 | 5 47 | 7 38 | 12 12 37 |

CALENDAR, WEATHER ASPECTS, &c.

- D.
- 8. *Sexagesima.*
- 2 A violent storm may be
- 3 looked for between the
- 4 fourth and sixth, and
- 5 the weather is severe for
- 6 the most part from the
- 7 third to this date.
- 8. *Quinquagesima.*
- 9 Something milder these
- 10 days, but still cold.
- 11 ASH WEDNESDAY.
- 12 Very fine day.
- 13 Young folks at post office.

- 14 *St. Valentine.*
- 15 *St. Valentine's Day.*
- 16 Here begins a week of
- 17 varieties as to weather.
- 18 Changeable, dull.
- 19 Aspects snowy, and
- 20 pretty heavy wind.
- 21 Cold rain westerly.
- 8. *2nd Sunday in Lent.*
- 22 Settled down for a few
- 23 cold but fine days.
- 24 cold but fine days.
- 25 *St. Mathias.*
- 26 Rather spring-like, but
- 27 no steady thaw for some
- 28 time to come. Cold.
- 8. *3rd Sunday in Lent.*

Beatty's and the new Mercantile Graded Copy Books with Headlines are the best Canadian Copy Books in use, eleven numbers, 10 cents each.

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MEMORANDUM FOR FEBRUARY.

9

- 1 1 below zero, very cold, high wind. 2 or 3 in snow
- 2 10' below zero high wind
- 3
- 4
- 5
- 6 1/2 in. snow
- 7
- 8 zero
- 9 5 below zero
- 10 Freshly meeting in Perth
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19 Remnants for ten days. Snow nearly all gone
- 20 cold
- 21 Mts
- 22 In - 1 or 2
- 23 - 11
- 24 5 below zero
- 25 Rain. Safford above ground
- 26 Very mild. Snow nearly all gone
- 27 Mrs. Robertson
- 28

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 Campbell's General Geography and Atlas, price 75 cents, and Colkin's
 Geography for junior classes at 50 cents, are now the authorized
 Text Books, get them at HART'S.

| Moon's Phases. | | Haliyas. | Queb e | Montreal. | Perth. | Toronto. | London. |
|--------------------|----|----------|----------|-----------|----------|----------|----------|
| | D. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. |
| Third Quarter..... | 3 | 6 49 ev. | 6 19 ev. | 6 18 ev. | 6 1 cv. | 5 49 ev. | 5 41 ev. |
| New Moon..... | 10 | 8 29 ev. | 7 59 ev. | 7 53 ev. | 7 41 ev. | 7 29 ev. | 7 21 ev. |
| First Quarter..... | 18 | 8 18 ev. | 7 48 ev. | 7 42 ev. | 7 30 ev. | 7 18 ev. | 7 10 ev. |
| Full Moon..... | 26 | 9 5 mo. | 8 35 mo. | 8 29 mo. | 8 17 mo. | 8 5 mo. | 7 57 mo. |

| M | Week. | Montreal. | | The Moon. | Toronto. | | Halifax, N.S. | | The Dominion. | |
|----|-------|------------|-----------|-----------|------------|-----------|---------------|-----------|---------------|------------------|
| | | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. s. |
| 1 | Mon. | 6 45 | 5 42 | 11 43 | 6 43 | 5 41 | 6 37 | 5 48 | 7 15 | 12 12 23 |
| 2 | Tues. | 44 | 42 | Morn. | 42 | 42 | 34 | 47 | 6 52 | 12 13 |
| 3 | Wed. | 42 | 44 | 0 55 | 40 | 44 | 32 | 51 | 6 29 | 11 59 |
| 4 | Thu. | 40 | 45 | 2 1 | 39 | 46 | 31 | 52 | 6 6 | 11 46 |
| 5 | Fri. | 38 | 47 | 2 57 | 37 | 45 | 29 | 53 | 5 48 | 11 32 |
| 6 | Sat. | 36 | 48 | 3 44 | 34 | 49 | 27 | 55 | 5 19 | 11 17 |
| 7 | C. | 6 34 | 5 49 | 4 22 | 6 33 | 5 50 | 6 25 | 5 56 | 4 56 | 12 11 8 |
| 8 | Mon. | 31 | 51 | 4 58 | 31 | 51 | 24 | 57 | 4 33 | 10 47 |
| 9 | Tues. | 29 | 53 | 5 22 | 29 | 52 | 22 | 59 | 4 9 | 10 31 |
| 10 | Wed. | 27 | 54 | Sets. | 27 | 55 | 20 | 6 0 | 3 46 | 10 16 |
| 11 | Thu. | 25 | 55 | 7 6 | 25 | 56 | 18 | 1 | 3 22 | 10 00 |
| 12 | Fri. | 24 | 56 | 8 11 | 23 | 57 | 16 | 2 | 2 58 | 9 43 |
| 13 | Sat. | 22 | 58 | 9 15 | 22 | 56 | 14 | 4 | 2 35 | 9 26 |
| 14 | C. | 6 20 | 5 59 | 10 18 | 6 20 | 6 1 | 6 13 | 6 6 | 2 11 | 12 9 10 |
| 15 | Mon. | 18 | 6 1 | 11 21 | 18 | 3 | 12 | 6 | 1 47 | 8 52 |
| 16 | Tues. | 16 | 2 | Morn. | 16 | 3 | 10 | 7 | 1 24 | 8 35 |
| 17 | Wed. | 14 | 3 | 0 17 | 15 | 4 | 8 | 9 | 1 00 | 8 17 |
| 18 | Thu. | 12 | 4 | 1 9 | 12 | 6 | 6 | 10 | 0 36 | 7 59 |
| 19 | Fri. | 10 | 5 | 1 56 | 10 | 7 | 4 | 11 | 0 13 | 7 42 |
| 20 | Sat. | 9 | 7 | 2 37 | 9 | 8 | 2 | 13 | N. 10 | 7 23 |
| 21 | C. | 6 7 | 6 8 | 3 12 | 6 6 | 6 9 | 6 1 | 6 14 | 34 | 12 7 5 |
| 22 | Mon. | 6 | 9 | 3 42 | 5 | 11 | 5 59 | 15 | 57 | 6 47 |
| 23 | Tues. | 8 | 11 | 4 10 | 3 | 12 | 57 | 16 | 1 21 | 6 27 |
| 24 | Wed. | 1 | 13 | 4 36 | 1 | 13 | 55 | 18 | 1 45 | 6 16 |
| 25 | Thu. | 5 59 | 15 | 5 1 | 5 59 | 14 | 53 | 19 | 2 08 | 5 52 |
| 26 | Fri. | 57 | 16 | Rises. | 58 | 16 | 51 | 20 | 2 32 | 5 34 |
| 27 | Sat. | 56 | 17 | 8 11 | 56 | 17 | 49 | 21 | 2 55 | 5 15 |
| 28 | C. | 5 13 | 6 18 | 9 28 | 5 54 | 6 18 | 5 47 | 6 23 | 3 19 | 12 4 57 |
| 29 | Mon. | 52 | 19 | 10 43 | 53 | 20 | 46 | 24 | 3 42 | 4 39 |
| 30 | Tues. | 50 | 22 | 11 52 | 51 | 21 | 44 | 25 | 4 5 | 4 20 |
| 31 | Wed. | 48 | 21 | Morn. | 49 | 21 | 42 | 26 | 4 28 | 4 2 |

CALENDAR, WEATHER ASPECTS, &c.

- D.
- 1 St. DAVID'S DAY.
 - 2 Cloudy all days for most of this week. There will be some snow, perhaps a cold rain west of Kingston.
 - 3 Snow and cold Upper Ottawa.
 - 4 4th Sunday in Lent.
 - 5 Cold rains and winds may be expected. Central Ontario will have pleasanter weather than Eastern Quebec.
 - 6 St. Gregory.
 - 7 A pleasant day.
 - 8 5th Sunday in Lent.
 - 9 A rather pleasant day.
 - 10 16 Bright sunshine.
 - 11 St. PATRICK'S DAY.
 - 12 Cold but pleasant.
 - 13 Sleighting yet good around 20 and East of Montreal.
 - 14 6th Sunday in Lent.
 - 15 21st. St. Benedict.
 - 16 The change of moon brings warmer winds.
 - 17 Annunciation V. M.
 - 18 GOOD FRIDAY.
 - 19 A very pleasant day.
 - 20 Easter Sunday.
 - 21 Monday after Easter.
 - 22 Easter Tuesday.
 - 23 Cool yet reasonable.

The New Edition of Edith Thompson's History of England, 65 cents. Orelington's Epoch Primer of English History at 30 cents, and Jelfer's Primer of Canadian History at 30 cents, are now authorized, to be had at HART'S.

- 1 Rather cold
- 2 Frost & sleet in forenoon (light rain)
- 3 Frost. Very quiet
- 4 Rain. Very quiet. Bulls in garden up
- 5 Very quiet
- 6 Very quiet
- 7 Very quiet. Sleet & rain
- 8 5° Below zero with high cold wind
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16 Frost & rain in forenoon
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24 3° above zero. High cold wind
- 25 zero
- 26
- 27
- 28
- 29
- 30
- 31

The Farmer will do well to get a supply of Clover Seeds to sow before the snow leaves the ground. Good, Clean Timothy and Clover Seeds at HART'S Seed Store.

| Moon's Phases. | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|----|-----------|-----------|-----------|----------|----------|----------|
| | D. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. |
| Third Quarter..... | 3 | 1 55 mo. | 1 25 mo. | 1 19 mo. | 1 7 mo. | 0 55 mo. | 0 47 mo. |
| New Moon..... | 9 | 10 49 mo. | 10 19 mo. | 10 13 mo. | 10 1 mo. | 9 49 mo. | 9 41 mo. |
| First Quarter..... | 17 | 2 55 ev. | 2 26 ev. | 2 20 ev. | 2 8 ev. | 1 56 ev. | 1 48 ev. |
| Full Moon..... | 24 | 6 23 ev. | 6 2 ev. | 5 56 ev. | 5 44 ev. | 5 23 ev. | 5 28 ev. |

| DAYS. | | Montreal. | | The Moon. | Toronto. | | Halifax, N. S. | | The Dominion. | |
|-------|-------|------------|-----------|-----------|------------|-----------|----------------|-----------|---------------|------------------|
| M. | Week. | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. s. |
| 1 | Thur. | 5 46 | 6 22 | 0 53 | 5 47 | 6 21 | 5 40 | 6 28 | 4 52 | 12 3 44 |
| 2 | Fri. | 44 | 23 | 1 42 | 46 | 23 | 38 | 29 | 5 15 | 3 26 |
| 3 | Sat. | 42 | 24 | 2 24 | 44 | 23 | 36 | 30 | 5 33 | 3 38 |
| 4 | Sun. | 5 41 | 6 25 | 2 56 | 5 42 | 6 25 | 5 35 | 6 31 | 6 00 | 12 2 50 |
| 5 | Mon. | 39 | 37 | 3 25 | 40 | 37 | 33 | 32 | 6 23 | 2 33 |
| 6 | Tues. | 37 | 39 | 3 50 | 38 | 35 | 31 | 34 | 6 46 | 2 15 |
| 7 | Wed. | 35 | 39 | 4 14 | 36 | 33 | 29 | 35 | 7 8 | 1 58 |
| 8 | Thur. | 33 | 31 | 4 38 | 35 | 30 | 27 | 36 | 7 31 | 1 41 |
| 9 | Fri. | 32 | 32 | Sets. | 33 | 32 | 26 | 37 | 7 53 | 1 25 |
| 10 | Sat. | 30 | 33 | 8 5 | 31 | 33 | 24 | 39 | 8 15 | 1 08 |
| 11 | Sun. | 5 28 | 6 24 | 9 8 | 5 29 | 6 24 | 5 22 | 6 40 | 8 37 | 12 0 52 |
| 12 | Mon. | 26 | 36 | 10 6 | 35 | 35 | 20 | 41 | 8 59 | 0 36 |
| 13 | Tues. | 24 | 37 | 11 1 | 34 | 36 | 18 | 42 | 9 20 | 0 21 |
| 14 | Wed. | 23 | 38 | 11 49 | 33 | 37 | 17 | 44 | 9 43 | 0 6 |
| 15 | Thur. | 20 | 40 | Morn. | 31 | 39 | 15 | 45 | 10 3 | 11 59 51 |
| 16 | Fri. | 18 | 42 | 0 32 | 29 | 40 | 13 | 46 | 10 25 | 59 35 |
| 17 | Sat. | 17 | 43 | 1 9 | 18 | 41 | 12 | 47 | 10 46 | 59 23 |
| 18 | Sun. | 5 15 | 6 44 | 1 40 | 5 15 | 6 42 | 5 10 | 6 49 | 11 6 | 11 59 9 |
| 19 | Mon. | 13 | 45 | 2 9 | 14 | 43 | 8 | 50 | 11 27 | 59 56 |
| 20 | Tues. | 11 | 47 | 2 35 | 13 | 44 | 7 | 51 | 11 48 | 58 43 |
| 21 | Wed. | 10 | 48 | 3 0 | 11 | 45 | 5 | 52 | 12 8 | 58 31 |
| 22 | Thur. | 8 | 49 | 3 25 | 9 | 46 | 3 | 53 | 12 28 | 58 19 |
| 23 | Fri. | 6 | 50 | 3 53 | 8 | 47 | 2 | 55 | 12 48 | 58 7 |
| 24 | Sat. | 5 | 51 | Rises. | 7 | 48 | 5 0 | 56 | 13 8 | 57 55 |
| 25 | Sun. | 5 3 | 6 53 | 3 21 | 5 5 | 6 49 | 4 58 | 6 57 | 13 27 | 11 57 46 |
| 26 | Mon. | 2 | 55 | 3 35 | 4 | 50 | 57 | 58 | 13 46 | 57 35 |
| 27 | Tues. | 5 00 | 57 | 10 42 | 3 | 51 | 55 | 7 00 | 14 | 57 27 |
| 28 | Wed. | 4 58 | 58 | 11 37 | 2 | 52 | 54 | 1 | 14 24 | 57 18 |
| 29 | Thur. | 56 | 59 | Morn. | 1 | 54 | 52 | 2 | 14 43 | 57 9 |
| 30 | Fri. | 55 | 7 00 | 0 22 | 4 59 | 55 | 51 | 3 | 15 1 | 57 1 |

CALENDAR, WEATHER ASPECTS, &c.

- D.
- 1 ALL FOOL'S DAY, so-called.
- 2 The weather is unsettled.
- 3 Changeable for rain.
- 4 1st Sunday after Easter.
- 5 4th. St. Andrew.
- 6 Heavy wind storms now.
- 7 Changing to more genial
- 8 weather. Fine day.
- 9 Sunshiny and warm for
- 10 the season. Very fine.
- 11 2nd Sunday after Easter.
- 12 Spring opening fairly, but
- 13 only in the South-West.
- 14 Quebec waits, and now
- 15 we shall have melting snow.
- 16 Pleasant overhead.
- 17 Not good for travelling.
- 18 3rd Sunday after Easter.
- 19 We shall have cold
- 20 rains and considerable
- 21 winds about now.
- 22 Look out for rain.
- 23 St George's DAY.
- 24 A very pleasant day.
- 25 4th Sunday after Easter.
- 26 25th. St. Mark, Evangelist.
- 27 The last days of this
- 28 month variable, but,
- 29 on the whole, they will
- 30 be pleasant and fine.

The New Merit Cards published by JOHN HART, for use in Public and Private Schools in Ontario, should be used by every Teacher in the country.

Pens, Copy Books, School Scribbling Books, and all school requisites at M.A.R.T.'S Bookstore.

0 A few books of notes, books, etc.

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3 Several books of notes.

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1880.]

MEMORANDUM FOR APRIL.

| Moon's Phases. | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|------|----------------|---------------|----------------|----------------|----------------|----------------|
| Third Quarter..... | D. 1 | h. m. 9 34 mo. | h. m. 9 4 mo. | h. m. 8 59 mo. | h. m. 8 47 mo. | h. m. 8 35 mo. | h. m. 8 27 mo. |
| New Moon..... | 9 | 1 58 mo. | 1 23 mo. | 1 22 mo. | 1 10 mo. | 0 58 mo. | 0 50 mo. |
| First Quarter..... | 17 | 6 5 mo. | 6 25 mo. | 6 29 mo. | 6 17 mo. | 6 5 mo. | 4 57 mo. |
| Full Moon..... | 24 | 2 21 mo. | 1 51 mo. | 1 45 mo. | 1 32 mo. | 1 21 mo. | 1 13 mo. |
| Third Quarter..... | 30 | 6 35 ev. | 6 5 ev. | 6 59 ev. | 5 47 ev. | 5 35 ev. | 5 27 ev. |

| DAYS | | Montreal. | | The Moon. | Toronto. | | Halifax, N.S. | | The Dominion. | |
|------|-------|------------|------------|------------|------------|------------|---------------|-----------|---------------|-------------------|
| M. | Week. | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| 1 | Sat. | h. m. 4 54 | h. m. 7 00 | h. m. 0 48 | h. m. 4 58 | h. m. 6 56 | h. m. 4 49 | h. m. 7 5 | D. M. 15 19 | h. m. s. 11 56 54 |
| 2 | C. | 4 58 | 7 1 | 1 17 | 4 57 | 6 57 | 4 48 | 7 6 | 15 27 | 11 56 47 |
| 3 | Mon. | 51 | 2 | 1 54 | 55 | 59 | 46 | 7 | 15 55 | 56 41 |
| 4 | Tues. | 50 | 4 | 2 18 | 54 | 7 00 | 45 | 9 | 16 12 | 56 35 |
| 5 | Wed. | 49 | 5 | 2 42 | 53 | 1 | 43 | 10 | 16 29 | 56 30 |
| 6 | Thur. | 47 | 7 | 3 6 | 51 | 2 | 42 | 11 | 16 46 | 56 25 |
| 7 | Fri. | 45 | 8 | 3 22 | 49 | 3 | 41 | 12 | 17 2 | 56 21 |
| 8 | Sat. | 43 | 9 | 4 1 | 48 | 4 | 39 | 13 | 17 18 | 56 17 |
| 9 | C. | 4 41 | 7 10 | Sets. | 4 47 | 7 5 | 4 38 | 7 15 | 17 34 | 11 56 14 |
| 10 | Mon. | 40 | 11 | 8 54 | 46 | 6 | 37 | 16 | 17 50 | 56 12 |
| 11 | Tues. | 39 | 12 | 9 45 | 45 | 7 | 35 | 17 | 18 5 | 56 10 |
| 12 | Wed. | 37 | 13 | 10 29 | 44 | 8 | 34 | 18 | 18 20 | 56 9 |
| 13 | Thur. | 36 | 15 | 11 7 | 42 | 10 | 33 | 19 | 18 35 | 56 8 |
| 14 | Fri. | 34 | 16 | 11 40 | 41 | 12 | 32 | 20 | 18 49 | 56 8 |
| 15 | Sat. | 33 | 17 | Morn. | 40 | 13 | 31 | 21 | 19 8 | 56 8 |
| 16 | C. | 4 32 | 7 18 | 0 9 | 4 39 | 7 14 | 4 30 | 7 23 | 19 17 | 11 56 10 |
| 17 | Mon. | 31 | 19 | 0 35 | 38 | 15 | 29 | 24 | 19 30 | 56 11 |
| 18 | Tues. | 30 | 20 | 1 1 | 37 | 16 | 28 | 25 | 19 44 | 56 13 |
| 19 | Wed. | 29 | 21 | 1 25 | 36 | 17 | 27 | 26 | 19 56 | 56 16 |
| 20 | Thur. | 28 | 22 | 1 50 | 35 | 19 | 26 | 27 | 20 9 | 56 20 |
| 21 | Fri. | 27 | 23 | 2 20 | 34 | 20 | 25 | 28 | 20 21 | 56 24 |
| 22 | Sat. | 27 | 24 | 2 53 | 33 | 21 | 24 | 29 | 20 33 | 56 28 |
| 23 | C. | 4 26 | 7 25 | 3 35 | 4 32 | 7 22 | 4 23 | 7 30 | 20 44 | 11 56 23 |
| 24 | Mon. | 25 | 27 | Rise. | 31 | 23 | 22 | 31 | 20 55 | 56 29 |
| 25 | Tues. | 24 | 28 | 4 2 | 31 | 24 | 22 | 32 | 21 6 | 56 45 |
| 26 | Wed. | 23 | 29 | 10 15 | 30 | 25 | 21 | 33 | 21 16 | 56 51 |
| 27 | Thur. | 22 | 30 | 10 58 | 29 | 25 | 20 | 34 | 21 26 | 56 58 |
| 28 | Fri. | 21 | 31 | 11 29 | 28 | 26 | 19 | 35 | 21 35 | 57 6 |
| 29 | Sat. | 21 | 32 | 11 57 | 28 | 26 | 19 | 36 | 21 45 | 57 13 |
| 30 | C. | 4 20 | 7 33 | Morn. | 4 27 | 7 26 | 4 18 | 7 36 | 21 53 | 11 57 21 |
| 31 | Mon. | 20 | 34 | 22 | 27 | 27 | 18 | 37 | 22 2 | 57 30 |

CALENDAR, WEATHER ASPECTS, &c.

- D. 1 St. Philip and St. James.
- 2 Rogation Sunday.
- 3 Mild and pleasant.
- 4 Continues fine to-day.
- 5 An agreeable breeze springs up.
- 6 ASCENSION DAY.
- 7 Exceedingly fine.
- 8 Most of the snow gone.
- 9 Sunday after Ascension.
- 10 Some people may proceed
- 11 with garden preparations, but
- 12 look out for frosts.
- 13 Aspects rather dull.
- 14 Changeable and cloudy.
- 15 Rain falls in many parts.

- 17 Good weather for out-door
- 18 work. Seed sowing all right.
- 19 St. Dunstan.
- 20 Fine open weather.
- 21 Pleasant and warm
- 22 Wind and rain.
- 23 Trinity Sunday.
- 24 THE QUEEN'S BIRTHDAY.
- 25 Exceedingly fine.
- 26 St. Augustine.
- 27 CORPUS CHRISTI. FEYS DIEU.
- 28 Very fine day.
- 29 Charles II's Restoration.
- 30 1st Sunday after Trinity.
- 31 An agreeable day.

Sankey's Hymns with and without music, Church Hymn Books, Catechisms, Prayer Books, &c., at HART'S.

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- 1 Hard frost last night
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- 5 ~~Work~~
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- 7
- 8 Humming Birds first noticed in garden
- 9 ~~Springing first time~~
- 10 ~~Ground first plowed~~
- 11 Sowed Beans
- 12
- 13
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- 16
- 17 ~~Sowed peapods~~
- 18 Sowed carrots Parsnips Beans & Corn
- 19 Sowed Turnips & Beets. Planted potatoes. Retailed House Plants
- 20
- 21
- 22
- 23
- 24
- 25 Cherry tree in water collecting at lab.
- 26
- 27
- 28 Sowed Vegetable & Corn-Flower seeds. 2 rows corn
- 29 ~~Set out Turnips~~
- 30
- 31 ~~First Cherry open~~

Send y School Cards, Texts, Verses, Birds, Animals and Flowers of the Bible in packets at various prices at HART'S.

| Moon's Phases. | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|----|----------|----------|-----------|----------|----------|----------|
| | D. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. |
| New Moon..... | 7 | 5 37 ev. | 5 7 ev. | 5 1 ev. | 4 49 ev. | 4 37 ev. | 4 29 ev. |
| First Quarter..... | 15 | 5 23 ev. | 5 3 ev. | 4 57 ev. | 4 45 mo. | 4 33 ev. | 4 25 ev. |
| Full Moon..... | 23 | 9 23 mo. | 8 53 mo. | 8 52 mo. | 8 40 mo. | 8 28 mo. | 8 20 mo. |
| Third Quarter..... | 29 | 5 39 mo. | 5 9 mo. | 5 3 mo. | 4 51 mo. | 4 39 mo. | 4 31 mo. |

| DAYS. | | Montreal. | | The Moon. | Toronto. | | Halifax, N. S. | | The Dominion. | |
|----------|-------|------------|-----------|-----------|------------|-----------|----------------|-----------|---------------|------------------|
| M. Week. | | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. a. |
| 1 | Tues. | 4 20 | 7 54 | 0 47 | 4 27 | 7 28 | 4 17 | 7 38 | 22 10 | 11 57 39 |
| 2 | Wed. | 20 | 36 | 1 11 | 27 | 29 | 19 | 39 | 22 18 | 57 49 |
| 3 | Thur. | 19 | 37 | 1 36 | 26 | 31 | 16 | 40 | 22 25 | 57 58 |
| 4 | Fri. | 19 | 37 | 2 4 | 26 | 31 | 16 | 41 | 22 32 | 54 8 |
| 5 | Sat. | 18 | 38 | 2 35 | 25 | 32 | 15 | 42 | 22 38 | 53 19 |
| 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 7 | C. | 4 17 | 7 39 | 3 12 | 4 24 | 7 32 | 4 15 | 7 42 | 22 44 | 11 58 30 |
| 8 | Mon. | 17 | 40 | Sets. | 24 | 34 | 15 | 43 | 22 50 | 58 41 |
| 9 | Tues. | 17 | 41 | 3 27 | 24 | 34 | 14 | 44 | 22 58 | 58 52 |
| 10 | Wed. | 17 | 42 | 9 8 | 24 | 35 | 14 | 44 | 23 0 | 59 3 |
| 11 | Thur. | 17 | 42 | 9 42 | 24 | 36 | 14 | 45 | 23 5 | 59 15 |
| 12 | Fri. | 17 | 43 | 10 12 | 24 | 36 | 14 | 46 | 23 9 | 59 27 |
| 13 | Sat. | 16 | 43 | 10 39 | 23 | 36 | 14 | 47 | 23 12 | 59 39 |
| 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | C. | 4 16 | 7 44 | 11 8 | 4 23 | 7 37 | 4 14 | 7 45 | 23 16 | 11 59 52 |
| 16 | Mon. | 16 | 44 | 11 27 | 23 | 38 | 13 | 49 | 23 19 | 12 0 5 |
| 17 | Tues. | 16 | 44 | 11 51 | 23 | 38 | 13 | 47 | 23 21 | 0 17 |
| 18 | Wed. | 16 | 46 | Morn. | 23 | 39 | 14 | 48 | 23 23 | 0 30 |
| 19 | Thur. | 16 | 46 | 0 18 | 23 | 39 | 14 | 48 | 23 25 | 0 43 |
| 20 | Fri. | 16 | 46 | 0 48 | 23 | 39 | 14 | 48 | 23 26 | 0 56 |
| 21 | Sat. | 16 | 46 | 1 24 | 23 | 40 | 14 | 49 | 23 27 | 1 9 |
| 22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 23 | C. | 4 16 | 7 47 | 2 9 | 4 23 | 7 40 | 4 14 | 7 49 | 23 27 | 12 1 23 |
| 24 | Mon. | 16 | 47 | 3 5 | 24 | 40 | 14 | 49 | 23 27 | 1 35 |
| 25 | Tues. | 17 | 47 | Rises. | 25 | 39 | 15 | 49 | 23 27 | 1 48 |
| 26 | Wed. | 17 | 47 | 8 48 | 25 | 39 | 15 | 49 | 23 26 | 2 1 |
| 27 | Thur. | 18 | 46 | 9 26 | 25 | 39 | 15 | 49 | 23 24 | 2 14 |
| 28 | Fri. | 18 | 47 | 9 57 | 25 | 39 | 15 | 49 | 23 23 | 2 27 |
| 29 | Sat. | 18 | 46 | 10 25 | 25 | 39 | 16 | 49 | 23 21 | 2 40 |
| 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 31 | C. | 4 13 | 7 46 | 10 50 | 4 23 | 7 39 | 4 16 | 7 49 | 23 18 | 12 2 52 |
| 32 | Mon. | 19 | 46 | 11 14 | 26 | 38 | 17 | 49 | 23 15 | 3 4 |
| 33 | Tues. | 20 | 46 | 11 39 | 25 | 38 | 17 | 49 | 23 12 | 3 14 |
| 34 | Wed. | 20 | 46 | Morn. | 25 | 38 | 18 | 49 | 23 8 | 3 28 |

CALENDAR, WEATHER ASPECTS, &c.

D.

- 1 Somewhat warm, not sultry. Changeable and heavy clouds charged with thunder storms.
- 2 *St. Boniface.*
- 3 *2nd Sunday after Trinity.*
- 4 Warm and pleasant.
- 5 Again dull and cloudy.
- 6 A June frost may be expected between 9th and 13th.
- 7 *St. Barnabas.*
- 8 Fine day—cold night.
- 9 *3rd Sunday after Trinity.*
- 10 Seasonably warm, but

- 15 look out for rain storm.
- 16 Lower temperature.
- 17 *St. Albans, martyr.*
- 18 Steadily warm.
- 19 A storm of thunder and rain.
- 20 *4th Sunday after Trinity.*
- 21 Warm and windy.
- 22 No change to-day.
- 23 An agreeable time now.
- 24 *St. John Baptist.*
- 25 Changeable and dull.
- 26 Wind, rain and cool.
- 27 *5th Sunday after Trinity.*
- 28 Spring grains prospering.
- 29 Gardens will be productive.
- 30 Month ends pleasantly.

A Fine assortment of French and Japanese Fans, in Silk, &c., &c., in Beautiful Decorations, at prices from 5 Cents to Five Dollars each, at HART'S FANCY STORE.

1 Took down Hall Store & Corby and took off outer windows

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4 Spent 2 double drills near rail fence

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9 General & finally written material

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Card Board Mottoes, and Motto Frames 8 1/2 x 21 in various styles and prices. Book Markers, Perforated Card Board, &c., at MART'S, Perth, Ont.

| Moon's Phases. | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|----|----------|----------|-----------|----------|----------|----------|
| | D. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. |
| New Moon..... | 7 | 9 3 mo. | 8 35 mo. | 8 27 mo. | 8 15 mo. | 8 3 mo. | 7 55 mo. |
| First Quarter..... | 15 | 1 58 mo. | 1 28 mo. | 1 22 mo. | 1 10 mo. | 0 58 mo. | 0 50 mo. |
| Full Moon..... | 21 | 4 44 ev. | 4 14 ev. | 4 8 ev. | 3 56 ev. | 3 44 ev. | 3 36 ev. |
| Third Quarter..... | 28 | 7 28 ev. | 6 58 ev. | 6 47 ev. | 6 35 ev. | 6 23 ev. | 6 15 ev. |

| M. Week. | DAYS. | Montreal. | | The Moon. | Toronto. | | Halifax, N.S. | | The Dominion. | |
|----------|-------|------------|-----------|-----------|------------|-----------|---------------|-----------|---------------|------------------|
| | | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. a. |
| 1 | Thur. | 4 20 | 7 46 | 0 6 | 4 27 | 7 39 | 4 18 | 7 49 | 28 4 | 12 3 39 |
| 2 | Fri. | 21 | 46 | 0 37 | 28 | 39 | 19 | 49 | 22 59 | 3 51 |
| 3 | Sat. | 22 | 46 | 1 12 | 29 | 39 | 20 | 49 | 22 54 | 4 2 |
| 4 | C. | 4 23 | 7 45 | 1 53 | 4 30 | 7 38 | 4 21 | 7 48 | 22 49 | 12 4 12 |
| 5 | Mon. | 23 | 45 | 2 40 | 30 | 38 | 21 | 48 | 22 43 | 4 22 |
| 6 | Tues. | 24 | 44 | 3 23 | 31 | 38 | 22 | 48 | 22 37 | 4 32 |
| 7 | Wed. | 25 | 44 | Sets. | 32 | 38 | 22 | 47 | 22 31 | 4 42 |
| 8 | Thur. | 26 | 44 | 8 16 | 33 | 37 | 23 | 47 | 22 24 | 4 51 |
| 9 | Fri. | 27 | 44 | 8 43 | 34 | 36 | 24 | 46 | 22 18 | 5 00 |
| 10 | Sat. | 28 | 43 | 9 9 | 34 | 36 | 25 | 46 | 22 9 | 5 00 |
| 11 | O | 4 28 | 7 43 | 9 32 | 4 34 | 7 36 | 4 25 | 7 45 | 22 1 | 12 5 16 |
| 12 | Mon. | 30 | 42 | 9 55 | 34 | 35 | 26 | 44 | 21 52 | 5 23 |
| 13 | Tues. | 30 | 41 | 10 21 | 35 | 34 | 27 | 44 | 21 43 | 5 30 |
| 14 | Wed. | 31 | 41 | 10 48 | 36 | 34 | 28 | 43 | 21 34 | 5 37 |
| 15 | Thur. | 32 | 41 | 11 21 | 37 | 33 | 29 | 43 | 21 25 | 5 43 |
| 16 | Fri. | 33 | 40 | Morn. | 38 | 32 | 30 | 42 | 21 15 | 5 49 |
| 17 | Sat. | 33 | 39 | 0 1 | 39 | 32 | 31 | 41 | 21 4 | 5 54 |
| 18 | C. | 4 34 | 7 38 | 0 49 | 4 40 | 7 31 | 4 32 | 7 40 | 20 54 | 12 5 53 |
| 19 | Mon. | 35 | 37 | 1 49 | 41 | 30 | 33 | 39 | 20 48 | 6 2 |
| 20 | Tues. | 36 | 36 | 3 0 | 42 | 29 | 34 | 38 | 20 34 | 6 6 |
| 21 | Wed. | 37 | 35 | Rises. | 43 | 29 | 35 | 38 | 20 20 | 6 9 |
| 22 | Thur. | 38 | 34 | 7 54 | 44 | 28 | 36 | 37 | 20 8 | 6 11 |
| 23 | Fri. | 39 | 33 | 8 24 | 45 | 27 | 38 | 36 | 19 54 | 6 13 |
| 24 | Sat. | 40 | 32 | 8 51 | 46 | 26 | 39 | 35 | 19 43 | 6 14 |
| 25 | C. | 4 41 | 7 31 | 9 16 | 4 47 | 7 25 | 4 40 | 7 34 | 19 30 | 12 6 15 |
| 26 | Mon. | 42 | 30 | 9 41 | 47 | 24 | 41 | 33 | 19 16 | 6 15 |
| 27 | Tues. | 43 | 30 | 10 8 | 49 | 23 | 42 | 31 | 19 8 | 6 14 |
| 28 | Wed. | 43 | 28 | 10 33 | 49 | 22 | 43 | 30 | 18 49 | 6 13 |
| 29 | Thur. | 44 | 27 | 11 12 | 50 | 21 | 44 | 29 | 18 34 | 6 11 |
| 30 | Fri. | 46 | 26 | 11 50 | 51 | 21 | 44 | 28 | 18 20 | 6 8 |
| 31 | Sat. | 47 | 25 | Morn. | 52 | 20 | 45 | 27 | 18 5 | 6 5 |

CALENDAR, WEATHER ASPECTS, &c.

D.

- 1 DOMINION DAY.
- 2 Visitation of Virgin Mary.
- 3 Outlook unsteady.
- 5 6th Sunday after Trinity.
- 5 This week will have 6 successive days of heat.
- 7 Severe lightning and very loud peals of thunder.
- 9 Now more settled, and yet continues warm.
8. 7th Sunday after Trinity.
- 12 A fine pleasant day.
- 13 Warm, even sultry, but the nights are cool.
- 15 St. Swithin's Day.

- 16 Occasional showers about 17 these days, but not cold.
8. 8th Sunday after Trinity.
- 19 There will be thunder 20 again this week. Local 21 rain storms. Wind west.
- 22 Changeable week.
- 23 No settled weather for 24 a day or two.
8. 9th Sunday after Trinity.
- 26 25th. St. James the Apostle.
- 27 There will be heat and 28 drought toward the end 29 of this month, culminating 30 in a great thunderstorm 31 with vivid lightning

Thermometers, various styles, and the Patent Flange Dairy Thermometers, for sale at HART'S Bookstore.

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MEMORANDUM FOR JULY.

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The Farmer should this year make every possible effort to make only the best "Gilt Edge Butter"—It pays, as Butter will be bought on its merits. Use a Patent Flange Thermometer to get the proper degree of heat.

| Moon's Phases. | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|--------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| New Moon..... | D. 5 | h. m. 11 30 ev. | h. m. 11 0 ev. | h. m. 10 54 ev. | h. m. 10 42 ev. | h. m. 10 30 ev. | h. m. 10 22 ev. |
| First Quarter..... | 13 | 7 24 mo. | 6 54 mo. | 6 48 mo. | 6 36 mo. | 6 24 mo. | 6 16 mo. |
| Full Moon..... | 20, 19 | 1 0 mo. | 0 30 mo. | 0 24 mo. | 0 12 mo. | 0 0 ev. | 11 52 ev. |
| Third quarter..... | 27 | 11 57 mo | 11 27 mo | 11 21 mo. | 11 9 mo. | 10 57 mo. | 10 17 mo. |

| DAYS. | Montreal. | | The Moon. | Toronto. | | Halifax, N. S. | | The Dominion. | |
|----------|------------|-----------|-----------|------------|-----------|----------------|-----------|---------------|------------------|
| | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| M. Week. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. s. |
| 1 C. | 4 48 | 7 24 | 0 35 | 4 54 | 7 18 | 4 46 | 7 26 | 17 50 | 12 6 2 |
| 2 Mon. | 50 | 22 | 1 28 | 55 | 17 | 48 | 25 | 17 34 | 5 57 |
| 3 Tues. | 51 | 21 | 2 22 | 56 | 16 | 49 | 26 | 17 18 | 5 52 |
| 4 Wed. | 52 | 20 | 3 22 | 57 | 15 | 50 | 23 | 17 2 | 5 47 |
| 5 Thur. | 53 | 19 | Sets | 58 | 14 | 51 | 20 | 16 46 | 5 41 |
| 6 Fri. | 55 | 17 | 7 13 | 59 | 13 | 52 | 19 | 16 29 | 5 34 |
| 7 Sat. | 56 | 16 | 7 38 | 5 00 | 12 | 53 | 17 | 16 13 | 5 26 |
| 8 C. | 4 57 | 7 14 | 8 2 | 5 1 | 7 10 | 4 54 | 7 16 | 15 55 | 12 5 19 |
| 9 Mon. | 58 | 12 | 8 26 | 2 | 8 | 56 | 15 | 15 58 | 5 10 |
| 10 Tues. | 59 | 11 | 8 53 | 3 | 7 | 57 | 13 | 15 21 | 5 1 |
| 11 Wed. | 5 1 | 9 | 9 23 | 5 | 6 | 58 | 12 | 15 3 | 4 51 |
| 12 Thur. | 2 | 8 | 9 59 | 6 | 4 | 59 | 10 | 14 45 | 4 41 |
| 13 Fri. | 3 | 7 | 10 43 | 7 | 3 | 5 00 | 9 | 14 26 | 4 31 |
| 14 Sat. | 4 | 5 | 11 37 | 8 | 1 | 2 | 7 | 14 8 | 4 19 |
| 15 C. | 5 5 | 7 3 | Morn. | 5 9 | 6 59 | 5 3 | 7 6 | 13 49 | 12 4 3 |
| 16 Mon. | 6 | 2 | 0 41 | 10 | 58 | 4 | 4 | 13 30 | 3 55 |
| 17 Tues. | 7 | 1 | 1 58 | 11 | 57 | 5 | 2 | 13 10 | 3 44 |
| 18 Wed. | 8 | 6 59 | 3 9 | 12 | 56 | 6 | 7 00 | 12 51 | 3 30 |
| 19 Thur. | 9 | 57 | 4 26 | 13 | 54 | 8 | 6 59 | 12 31 | 3 16 |
| 20 Fri. | 11 | 55 | Rises. | 14 | 52 | 9 | 67 | 12 11 | 3 2 |
| 21 Sat. | 12 | 54 | 7 16 | 16 | 50 | 10 | 56 | 11 51 | 2 47 |
| 22 C. | 5 13 | 6 12 | 7 42 | 5 17 | 6 49 | 5 11 | 6 54 | 11 31 | 12 2 32 |
| 23 Mon. | 14 | 50 | 8 9 | 18 | 47 | 12 | 52 | 11 11 | 2 17 |
| 24 Tues. | 16 | 48 | 8 38 | 19 | 46 | 13 | 51 | 10 50 | 2 1 |
| 25 Wed. | 18 | 46 | 9 10 | 20 | 46 | 15 | 49 | 10 29 | 1 44 |
| 26 Thur. | 19 | 45 | 9 48 | 21 | 43 | 16 | 47 | 10 8 | 1 27 |
| 27 Fri. | 20 | 46 | 10 30 | 22 | 40 | 17 | 45 | 9 47 | 1 10 |
| 28 Sat. | 21 | 41 | 11 19 | 24 | 38 | 18 | 44 | 9 26 | 0 53 |
| 29 C. | 5 22 | 6 40 | Morn. | 5 25 | 6 37 | 5 19 | 6 42 | 9 5 | 12 0 35 |
| 30 Mon. | 23 | 38 | 0 13 | 26 | 36 | 20 | 40 | 8 43 | 0 13 |
| 31 Tues. | 24 | 36 | 1 7 | 27 | 34 | 21 | 39 | 8 21 | 11 59 58 |

CALENDAR, WEATHER ASPECTS, &c.

- | | |
|--|---|
| <p>D.</p> <p>8. 10th Sunday after Trinity.</p> <p>2 1st. Lammis Day.</p> <p>3 Warm but pleasant.</p> <p>4 Cool refreshing breezes.</p> <p>5 Agreeable coolness continues.</p> <p>6 Transfiguration.</p> <p>7 A very pleasant day.</p> <p>8. 11th Sunday after Trinity.</p> <p>9 It changes to great heat</p> <p>10 for a few days, and there</p> <p>11 will be heavy thunder with</p> <p>12 disastrous lightning and</p> <p>13 dashing rains locally.</p> <p>14 Quieter day and calm night.</p> <p>8. 12th Sunday after Trinity.</p> | <p>16 Aspects very unsteady.</p> <p>17 Some showers delaying.</p> <p>18 the completion of harvest</p> <p>19 in Quebec and Nova Scotia.</p> <p>20 Chang-able—warm.</p> <p>21 Rather unsettled still.</p> <p>8. 13th Sunday after Trinity.</p> <p>22 A calm warm day.</p> <p>24 St. Bartholmew.</p> <p>25 Pleasant and warm.</p> <p>26 Windy and cooler.</p> <p>27 Fair and fine.</p> <p>28 St. Augustine.</p> <p>8. 14th Sunday after Trinity.</p> <p>30 29th. St. John Baptist beheaded.</p> <p>31 Month ends with cold nights.</p> |
|--|---|

The best Machinery Oils are the most profitable. For the Mowing

day.

1880.]

MEMORANDUM FOR AUGUST.

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Small Register, Salted, & Kippengalp.

and Reaping Machines go! Fine Olive. Extra Lard, Heavy Engine or Stock's Extra. The best always at HART'S.

wing

| Moon's Phases. | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|------|----------------|---------------|-----------------|-----------------|-----------------|-----------------|
| New Moon..... | D. 4 | h. m. 0 34 ev. | h. m. 0 4 ev. | h. m. 11 59 mo. | h. m. 11 46 mo. | h. m. 11 24 mo. | h. m. 11 26 mo. |
| First Quarter..... | 11 | 2 7 ev. | 1 3. ev. | 1 31 ev. | 1 19 ev. | 1 7 ev. | 0 59 ev. |
| Full Moon..... | 18 | 11 11 mo. | 10 41 mo. | 10 35 mo. | 10 23 mo. | 10 11 mo. | 10 3 mo. |
| Third Quarter..... | 26 | 6 50 mo. | 6 20 mo. | 6 14 mo. | 6 2 mo. | 5 50 mo. | 5 42 mo. |

| M. Week. | DAYS. | Montreal. | | The Moon. | Toronto. | | Halifax, N.S. | | The Dominion. | |
|----------|-------|------------|-----------|-----------|------------|-----------|---------------|-----------|---------------|------------------|
| | | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. s. |
| 1 | Wed. | 5 26 | 6 24 | 2 13 | 5 27 | 6 23 | 5 23 | 6 28 | 8 00 | 11 59 29 |
| 2 | Thur. | 28 | 32 | 3 16 | 28 | 32 | 25 | 36 | 7 38 | 59 19 |
| 3 | Fri. | 29 | 30 | 4 20 | 30 | 39 | 26 | 34 | 7 16 | 59 00 |
| 4 | Sat. | 30 | 28 | Sets. | 31 | 28 | 27 | 32 | 6 53 | 58 40 |
| 5 | C. | 5 31 | 6 26 | 6 32 | 5 32 | 6 26 | 5 28 | 6 30 | 6 31 | 11 58 20 |
| 6 | Mon. | 32 | 24 | 6 59 | 34 | 25 | 29 | 26 | 6 9 | 58 00 |
| 7 | Tues. | 33 | 23 | 7 27 | 35 | 21 | 31 | 26 | 5 46 | 57 40 |
| 8 | Wed. | 35 | 21 | 8 2 | 36 | 21 | 32 | 24 | 5 24 | 57 19 |
| 9 | Thur. | 36 | 19 | 8 43 | 37 | 20 | 33 | 22 | 5 1 | 56 59 |
| 10 | Fri. | 37 | 17 | 9 33 | 38 | 18 | 34 | 20 | 4 38 | 56 38 |
| 11 | Sat. | 39 | 16 | 10 38 | 39 | 16 | 35 | 18 | 4 15 | 56 17 |
| 12 | C. | 5 40 | 6 14 | 11 41 | 5 40 | 6 15 | 5 36 | 6 16 | 3 52 | 11 55 56 |
| 13 | Mon. | 42 | 12 | Morn. | 41 | 13 | 37 | 14 | 3 29 | 55 35 |
| 14 | Tues. | 43 | 10 | 0 53 | 42 | 11 | 38 | 12 | 3 6 | 55 14 |
| 15 | Wed. | 44 | 7 | 2 7 | 43 | 9 | 39 | 10 | 2 43 | 54 53 |
| 16 | Thur. | 45 | 6 | 3 21 | 44 | 8 | 40 | 8 | 2 20 | 54 32 |
| 17 | Fri. | 46 | 4 | 4 33 | 45 | 7 | 41 | 6 | 1 57 | 54 11 |
| 18 | Sat. | 48 | 2 | Rises. | 46 | 5 | 43 | 5 | 1 33 | 53 50 |
| 19 | C. | 5 49 | 6 1 | 6 9 | 5 47 | 6 3 | 5 44 | 6 4 | 1 10 | 11 53 28 |
| 20 | Mon. | 50 | 5 58 | 6 38 | 48 | 1 | 45 | 2 | 0 47 | 53 7 |
| 21 | Tues. | 51 | 56 | 7 9 | 49 | 5 57 | 46 | 6 00 | 28 | 52 47 |
| 22 | Wed. | 52 | 56 | 7 46 | 50 | 56 | 47 | 5 59 | 0 00 | 52 26 |
| 23 | Thur. | 54 | 55 | 8 24 | 52 | 54 | 48 | 57 | 3. 23 | 52 5 |
| 24 | Fri. | 56 | 53 | 9 12 | 52 | 52 | 49 | 55 | 1 46 | 51 44 |
| 25 | Sat. | 56 | 52 | 10 4 | 53 | 50 | 50 | 53 | 1 9 | 51 24 |
| 26 | C. | 5 57 | 5 50 | 11 | 5 54 | 5 49 | 5 52 | 5 51 | 1 38 | 11 51 4 |
| 27 | Mon. | 59 | 47 | Morn. | 55 | 47 | 53 | 49 | 1 55 | 50 44 |
| 28 | Tues. | 6 00 | 44 | 0 1 | 57 | 45 | 54 | 47 | 2 20 | 50 24 |
| 29 | Wed. | 1 | 42 | 1 2 | 59 | 43 | 56 | 45 | 2 43 | 50 4 |
| 30 | Thur. | 2 | 40 | 2 5 | 6 00 | 40 | 57 | 43 | 3 6 | 49 46 |

CALENDAR, WEATHER ASPECTS, &c.

- D.
- 1 Fine—clear and warm.
- 2 Cloudy in part but warm.
- 3 Winds prevailing on coast
- 4 Foggy on rivers and gulfs.
- 5. 15th Sunday after Trinity.
- 6 Remarkably fine.
- 7 Light wind and cool.
- 8 Nativity of Virgin Mary.
- 9 Cloudy with cool winds.
- 10 Rain and cloudy.
- 11 Winds subsiding,—warm.
- 5. 16th Sunday after Trinity.
- 12 Quite serene and cool.
- 14 Much warmer day.

- 15 Fine and pleasant.
- 16 Cool and calm.
- 17 A frost feared, but it keeps off a while.
- 3. 17th Sunday after Trinity.
- 20 Very fine day.
- 21 St. Matthew's Day.
- 22 Changeable, but settles down to clear sunshine.
- 24 All serene this day.
- 25 Some vines touched.
- 3. 18th Sunday after Trinity.
- 27 Remarkably pleasant.
- 28 Much cooler to-day.
- 29 St. Michael and All Angels.
- 30 Month ends quietly.

Outside Painting should now be in order, all outside work should be looked after, and where Painting is required, do it

1880.]

MEMORANDUM FOR SEPTEMBER.

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- 13 *Spencer, Berabrook, Chief Justice*
- 14
- 15
- 16
- 17
- 18 *Chauncy Court, Wrentham, N. h. Bradford*
- 19
- 20 *Spencer Perth, Chief Justice*
- 21
- 22 *Charles Brown*
- 23
- 24
- 25
- 26 *Waters have been very full for 3 weeks trying to fade*
- 27 *Chauncy Court, Woodville, N. h. Bradford* *Spencer, small Chief Justice*
- 28
- 29
- 30

before the weather breaks up. You can always get the Best Paints and Oils at HART'S with directions how to use them.

For full circuits, Chauncy & Spencer (see a Courier 9 July)

| Moon's Phases | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London. |
|--------------------|----|----------|-----------|-----------|-----------|-----------|-----------|
| New Moon..... | 3 | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. |
| First Quarter..... | 10 | 0 31 ev. | 0 1 ev. | 11 49 ev. | 11 37 ev. | 11 25 ev. | 11 17 ev. |
| Full Moon..... | 17 | 8 23 ev. | 7 53 ev. | 7 41 ev. | 7 29 ev. | 7 17 ev. | 7 9 ev. |
| Third Quarter..... | 26 | 0 14 ev. | 11 41 ev. | 11 32 ev. | 11 20 ev. | 11 8 ev. | 11 0 ev. |
| | | 2 47 mo. | 2 17 mo. | 2 5 mo. | 1 54 mo. | 1 41 mo. | 1 33 mo. |

| DAYS. | | Montreal. | | The Moon. | Toronto. | | Halifax, N. S. | | The Dominion. | |
|-------|-------|------------|-----------|-----------|------------|-----------|----------------|-----------|---------------|------------------|
| M. | Week. | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. s. |
| 1 | Fri. | 6 3 | 5 38 | 3 19 | 6 2 | 5 38 | 5 58 | 5 41 | 3 30 | 11 49 26 |
| 2 | Sat. | 4 4 | 36 | 4 18 | 8 | 36 | 59 | 40 | 3 53 | 49 7 |
| 3 | C. | 6 5 | 5 24 | Sets. | 6 4 | 5 24 | 6 00 | 5 39 | 4 16 | 11 43 43 |
| 4 | Mon. | 7 | 32 | 5 28 | 5 | 33 | 2 | 37 | 4 39 | 48 30 |
| 5 | Tues. | 8 | 30 | 6 2 | 6 | 32 | 3 | 35 | 5 2 | 48 12 |
| 6 | Wed. | 9 | 27 | 6 42 | 7 | 29 | 4 | 33 | 5 25 | 47 55 |
| 7 | Thur. | 11 | 25 | 7 30 | 8 | 27 | 5 | 31 | 5 43 | 47 38 |
| 8 | Fri. | 12 | 24 | 8 23 | 9 | 26 | 6 | 29 | 6 11 | 47 22 |
| 9 | Sat. | 13 | 21 | 9 24 | 10 | 24 | 8 | 27 | 6 34 | 47 5 |
| 10 | C. | 6 14 | 5 20 | 10 45 | 6 11 | 5 23 | 6 9 | 5 25 | 6 56 | 11 46 50 |
| 11 | Mon. | 15 | 19 | 11 57 | 12 | 20 | 11 | 23 | 7 19 | 46 35 |
| 12 | Tues. | 16 | 17 | Morn. | 14 | 19 | 12 | 21 | 7 42 | 46 20 |
| 13 | Wed. | 18 | 14 | 1 9 | 15 | 17 | 13 | 19 | 8 4 | 45 6 |
| 14 | Thur. | 20 | 12 | 2 20 | 16 | 15 | 14 | 17 | 8 26 | 45 53 |
| 15 | Fri. | 21 | 9 | 3 29 | 17 | 13 | 15 | 15 | 8 49 | 45 40 |
| 16 | Sat. | 23 | 7 | 4 36 | 19 | 12 | 17 | 13 | 9 11 | 45 23 |
| 17 | C. | 6 24 | 5 5 | Rises. | 6 20 | 5 9 | 6 18 | 5 11 | 9 34 | 11 45 18 |
| 18 | Mon. | 25 | 4 | 5 8 | 21 | 8 | 20 | 9 | 9 54 | 45 5 |
| 19 | Tues. | 26 | 2 | 5 42 | 22 | 6 | 2 | 8 | 10 17 | 45 53 |
| 20 | Wed. | 28 | 1 | 6 21 | 24 | 5 | 23 | 7 | 10 39 | 44 41 |
| 21 | Thur. | 29 | 4 59 | 7 8 | 25 | 3 | 24 | 5 | 10 59 | 44 33 |
| 22 | Fri. | 31 | 57 | 7 56 | 27 | 2 | 25 | 4 | 11 21 | 44 27 |
| 23 | Sat. | 32 | 55 | 8 50 | 28 | 4 59 | 26 | 2 | 11 42 | 44 19 |
| 24 | C. | 6 33 | 4 53 | 9 43 | 6 29 | 4 58 | 6 28 | 5 1 | 12 2 | 11 44 12 |
| 25 | Mon. | 35 | 52 | 10 49 | 30 | 57 | 29 | 4 59 | 12 23 | 44 5 |
| 26 | Tues. | 36 | 50 | 11 50 | 31 | 56 | 31 | 58 | 12 44 | 44 00 |
| 27 | Wed. | 38 | 49 | Morn. | 32 | 54 | 31 | 56 | 13 4 | 43 54 |
| 28 | Thur. | 39 | 47 | 0 28 | 33 | 53 | 33 | 56 | 13 21 | 43 50 |
| 29 | Fri. | 41 | 46 | 1 57 | 35 | 52 | 34 | 55 | 13 44 | 43 46 |
| 30 | Sat. | 42 | 46 | 3 8 | 38 | 50 | 36 | 53 | 14 3 | 43 44 |
| 31 | C. | 6 48 | 4 45 | 4 12 | 6 40 | 4 48 | 6 37 | 4 52 | 14 23 | 11 43 42 |

CALENDAR WEATHER ASPECTS, &c.

- | | |
|---|-------------------------------|
| 1 Very fine day this. | 16 A fine cool day. |
| 2 Another pleasant day. | 18 21st Sunday after Trinity. |
| 3 19th Sunday after Trinity. | 18 St. Luke the Evangelist. |
| 4 Very cool nights now. | 19 Rainy and dull. |
| 5 A cold wind with some rain. | 20 Again fine and pleasant. |
| 6 Cloudy and foggy. | 21 Changeable—cloudy. |
| 7 Dull and lowering. | 22 Windy and some rain. |
| 8 Change for pleasant and enjoyable weather. | 23 Variable—sun and clouds. |
| 9 20th Sunday after Trinity. | 24 22nd Sunday after Trinity. |
| 10 Root crops must be looked after. There will be quite a heavy frost about the middle of this month, preceded by a violent wind. | 25 Dull and cold night. |
| | 26 Bright and clear day. |
| | 27 Serene and cool. |
| | 28 St. Simon and St. Jude. |
| | 29 Another fine day. |
| | 30 Threatens rain all day. |
| | 31 23rd Sunday after Trinity. |

The nights are now getting long, see that you get a good Reading, La and a good Book, and enjoy them.

1880.]

MEMORANDUM FOR OCTOBER.

25

Friday.

London.

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| 12 | |
| 13 | <i>Spice S. original that direction 5° below freezing</i> |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | <i>Spice Ottawa that direction</i> |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | <i>Slight fall of snow last night. First this fall.</i> |
| 25 | |
| 26 | |
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| 30 | |
| 31 | |

The Best Coal Oils and Lamp Wicks and Chimneys, at lowest prices, and the Celebrated Dollar Lamp at HART'S.

ending

| Moon's Phases. | | Halifax. | Quebec. | Montreal. | Perth. | Toronto. | London |
|-------------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|
| | D. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. |
| New Moon | 2 | 11 43 mo. | 11 13 mo. | 11 1 mo. | 10 49 mo. | 10 37 mo. | 10 29 mo. |
| First Quarter | 9 | 4 8 mo. | 3 38 mo. | 3 26 mo. | 3 14 mo. | 3 2 mo. | 2 54 mo. |
| Full Moon | 16 | 4 27 ev. | 3 57 ev. | 3 45 ev. | 3 33 ev. | 3 21 ev. | 3 13 ev. |
| Third Quarter | 24 | 9 43 ev. | 9 13 ev. | 9 1 ev. | 8 49 ev. | 8 37 ev. | 8 29 ev. |

| M. Week. | Montreal. | | The Moon. | Toronto. | | Halifax, N.S. | | The Dominion. | |
|----------|------------|-----------|-----------|------------|-----------|---------------|-----------|---------------|------------------|
| | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. s. |
| 1 Mon. | 6 44 | 4 44 | 5 24 | 6 41 | 4 47 | 6 38 | 4 49 | 14 42 | 11 43 41 |
| 2 Tues. | 46 | 42 | Sets. | 43 | 45 | 40 | 47 | 15 1 | 43 40 |
| 3 Wed. | 48 | 40 | 5 22 | 44 | 44 | 42 | 46 | 15 20 | 43 40 |
| 4 Thur. | 49 | 39 | 6 18 | 45 | 43 | 43 | 44 | 15 38 | 43 42 |
| 5 Fri. | 50 | 37 | 7 23 | 47 | 41 | 44 | 43 | 15 56 | 43 44 |
| 6 Sat. | 52 | 36 | 8 31 | 48 | 40 | 45 | 42 | 16 14 | 43 47 |
| 7 C. | 6 54 | 4 34 | 9 48 | 6 49 | 4 39 | 6 46 | 4 41 | 16 32 | 11 43 51 |
| 8 Mon. | 55 | 32 | 11 1 | 50 | 38 | 47 | 39 | 16 49 | 43 55 |
| 9 Tues. | 56 | 31 | Morn. | 51 | 36 | 49 | 38 | 17 6 | 44 1 |
| 10 Wed. | 57 | 29 | 0 13 | 53 | 35 | 50 | 37 | 17 23 | 44 7 |
| 11 Thur. | 58 | 28 | 1 20 | 54 | 34 | 51 | 36 | 17 39 | 44 14 |
| 12 Fri. | 7 00 | 27 | 2 27 | 56 | 33 | 53 | 35 | 17 56 | 44 22 |
| 13 Sat. | 1 | 26 | 3 33 | 56 | 32 | 54 | 34 | 18 12 | 44 31 |
| 14 C. | 7 3 | 4 25 | 4 39 | 6 58 | 4 31 | 6 55 | 4 33 | 18 27 | 11 44 41 |
| 15 Mon. | 5 | 24 | 5 42 | 7 00 | 30 | 57 | 32 | 18 42 | 44 52 |
| 16 Tues. | 6 | 23 | Rises. | 1 | 29 | 58 | 31 | 18 57 | 45 4 |
| 17 Wed. | 7 | 22 | 5 0 | 2 | 28 | 59 | 30 | 19 12 | 45 16 |
| 18 Thur. | 8 | 21 | 6 49 | 3 | 27 | 7 00 | 29 | 19 23 | 45 29 |
| 19 Fri. | 11 | 20 | 6 42 | 5 | 27 | 2 | 29 | 19 40 | 45 43 |
| 20 Sat. | 12 | 19 | 7 59 | 6 | 26 | 3 | 28 | 19 53 | 45 58 |
| 21 C. | 7 13 | 4 18 | 8 38 | 7 7 | 4 26 | 7 4 | 4 27 | 20 7 | 11 46 13 |
| 22 Mon. | 14 | 18 | 9 39 | 8 | 25 | 5 | 26 | 20 19 | 46 30 |
| 23 Tues. | 16 | 17 | 10 40 | 10 | 24 | 7 | 26 | 20 32 | 46 47 |
| 24 Wed. | 18 | 16 | 11 42 | 11 | 24 | 9 | 24 | 20 44 | 47 5 |
| 25 Thur. | 19 | 15 | Morn. | 12 | 23 | 10 | 24 | 20 56 | 47 24 |
| 26 Fri. | 21 | 15 | 0 44 | 13 | 22 | 11 | 24 | 21 7 | 47 43 |
| 27 Sat. | 22 | 15 | 1 50 | 15 | 21 | 13 | 23 | 21 17 | 48 3 |
| 28 C. | 7 23 | 4 14 | 2 59 | 7 16 | 4 21 | 7 14 | 4 23 | 21 28 | 11 48 24 |
| 29 Mon. | 25 | 13 | 4 11 | 17 | 20 | 15 | 22 | 21 38 | 48 45 |
| 30 Tues. | 25 | 13 | 5 25 | 18 | 19 | 16 | 22 | 21 47 | 49 7 |

CALENDAR, WEATHER ASPECTS, &c.

- | | |
|-------------------------------|----------------------------|
| 15 Variable, unsettled. | 22 St. Cecilia. |
| 16 Cold and clear. | 23 A frosty day and night. |
| 17 A snow fall at Rimouski. | 24 Frost continues, but |
| 18 Heavy cold rain Goderich. | 25 winter not set in. |
| 19 Disagreeable winds prevail | 26 Weather more agreeable. |
| 20 for some time now. | 27 Settled and cold. |
| S. 25th Sunday after Trinity. | S. Advent Sunday. |
| 21 St. Andrew's Day. | 28 Clear and frosty. |
| 22 St. Andrew's Day. | 29 St. Andrew's Day. |

We have a large Stock of Glass, which we cut to any size for Windows or Pictures at low prices. J. HART.

Monday

1880.]

MEMORANDUM FOR NOVEMBER. 7

27

London

h. m.
10 29 m.
2 54 n.
3 13 ev.
8 29 ev.

1 Out flower stalks. Out up porch
 2 Fair day. Planted Hyacinths, in border
 3 Account Thanksgiving
 4 Went into Rock Hill.

union.

Sun on
terridan.

h. m. s.

1 48 41
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5
 6
 7 Very high wind (harrier) & slight snow
 8
 9
 10
 11
 12
 13
 14
 15
 16 Meeting of Brethren
 17 Rev. Dr. Arthur Johnson
 18 Mr. Forbes, Mr. Correspondent (Toronto)
 19 Slight snow } below zero
 20 " " } 2 or 2 inches
 21 1/2 below zero
 22 3 above zero
 23 1/2 below zero
 24 Zero.
 25 10° above zero. Cut up hill stone. Cut on water Windows
 26 5° above zero
 27 Mild
 28 Do
 29 Very quiet
 30

A Household Book, "The Home Cook Book," by Toronto Ladies,
 the best and most reliable Cook Book Published, free by post
 for \$1.00 at HART'S.

Win

| Moon's Phases. | | Halifax. | Quebec | Montreal. | Perth. | Toronto. | London. |
|--------------------|------|-----------------|-----------------|----------------|----------------|----------------|----------------|
| New Moon..... | D. 1 | h. m. 10 34 ev. | h. m. 10 14 ev. | h. m. 10 2 ev. | h. m. 9 50 ev. | h. m. 9 38 ev. | h. m. 9 30 ev. |
| First Quarter..... | 8 | 2 26 ev. | 1 56 ev. | 1 44 ev. | 1 32 ev. | 1 20 ev. | 1 12 ev. |
| Full Moon..... | 16 | 11 24 mo. | 10 54 mo. | 10 42 mo. | 10 30 mo. | 10 18 mo. | 10 10 mo. |
| Third Quarter..... | 24 | 2 45 ev. | 2 15 ev. | 2 3 ev. | 1 51 ev. | 1 39 ev. | 1 31 ev. |
| New Moon..... | 31 | 9 44 mo. | 9 14 mo. | 9 2 mo. | 8 50 mo. | 8 38 mo. | 8 30 mo. |

| DATE. | | Montreal. | | The Moon. | Toronto. | | Halifax, N. S. | | The Dominion. | |
|-------|-------|------------|-----------|-----------|------------|-----------|----------------|-----------|---------------|------------------|
| M. | Week. | Sun Rises. | Sun Sets. | R. & S. | Sun Rises. | Sun Sets. | Sun Rises. | Sun Sets. | Sun's Declin. | Sun on Meridian. |
| | | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | h. m. | D. M. | h. m. s. |
| 1 | Wed. | 7 26 | 4 12 | Sets. | 7 19 | 4 19 | 7 17 | 4 21 | 21 57 | 11 49 30 |
| 2 | Thur. | 26 | 12 | 5 3 | 20 | 19 | 18 | 21 | 22 5 | 49 53 |
| 3 | Fri. | 28 | 12 | 6 14 | 21 | 19 | 19 | 20 | 22 14 | 50 17 |
| 4 | Sat. | 29 | 11 | 7 30 | 22 | 18 | 20 | 20 | 22 23 | 50 42 |
| 5 | C. | 7 30 | 4 11 | 8 46 | 7 24 | 4 18 | 7 21 | 4 20 | 22 29 | 11 51 7 |
| 6 | Mon. | 31 | 11 | 10 0 | 25 | 17 | 22 | 20 | 22 36 | 51 38 |
| 7 | Tues. | 32 | 11 | 11 11 | 26 | 17 | 24 | 20 | 22 43 | 51 59 |
| 8 | Wed. | 32 | 11 | Morn | 27 | 17 | 25 | 20 | 22 49 | 52 25 |
| 9 | Thur. | 34 | 11 | 0 20 | 28 | 18 | 26 | 19 | 22 55 | 52 53 |
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| 31 | Fri. | 46 | 20 | Sets. | 39 | 27 | 37 | 30 | 23 2 | 3 38 |

CALENDAR, WEATHER ASPECTS, &c.

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|--|---|
| <p>D.</p> <ol style="list-style-type: none"> 1 Month opens with frost. 2 Not very much snow in 3 the Eastern Townships, but 4 considerable up the Gatineau. 5 2nd Sunday in Advent. 6 Cold but clear, and 7 it continues cold. 8 Immaculate Conception V. M. 9 Dull and changeable. 10 Some wind and very 11 cold rains in the West. 12 3rd Sunday in Advent. 13 Easterly wind and snow. 14 Settled for a cold spell. 15 But not very severe yet. | <ol style="list-style-type: none"> 16 Aspects stormy. 17 Unsettled and cold. 18 Dull and cloudy. 19 4th Sunday in Advent. 20 REMEMBER THE POOR. 21 St. Thomas' Day. 22 Forget not the Stranger. 23 Winter sets in fully. 24 The weather is cold. 25 CHRISTMAS DAY. 26 Sunday after Christmas. 27 St. John the Evangelist. 28 Holy Innocents' Day. 29 26th. St. Stephens' Day. 30 Cold but pleasant. 31 Year ends quietly. |
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This month we call your attention to our splendid display of Xmas Cards, make your selections early, J. HART.

Today.

1880.]

MEMORANDUM FOR DECEMBER.

29

London.

m. 5.
30 ev.
12 ev.
10 mo.
31 ev.
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meridian.

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mas

- 1 Mild
- 2 F
- 3 S
- 4 F
- 5 W
- 6 W
- 7 W
- 8 3 above zero
- 9 zero
- 10 4 below zero
- 11 very mild (rain a little)
- 12 22 above zero
- 13 Mild
- 14 S
- 15 S
- 16 S
- 17 colder
- 18 4 above zero
- 19 moderate & fine
- 20 S
- 21 S
- 22 S
- 23 4 below zero. fine
- 24 Mild
- 25 S
- 26 S
- 27 S
- 28 zero slight snow
- 29 2 below zero
- 30 10 below zero
- 31 9 below zero

Began to get mild for Christmas

Our stock of Electro-Plated Ware is larger and more select than ever, and at no advance over old prices. A lot of Fine Goods for Xmas Presents at HART'S.

The Royal Family.

THE QUEEN.

VICTORIA, of the United Kingdom of Great Britain and Ireland, &c., Queen, Defender of the Faith, Empress of India. Her Majesty was born at Kensington Palace May 24, 1819; succeeded to the throne June 20, 1837, on the death of her uncle, King William IV.; was crowned June 23, 1838; and married February 10, 1840, to his late Royal Highness Prince Albert. Her Majesty is the only child of his late Royal Highness Edward Duke of Kent, son of King George III. The children of Her Majesty are:—

Her Royal Highness VICTORIA-Adelaide Mary-Louisa, PRINCESS ROYAL OF ENGLAND AND GERMANY, born November 21, 1840, and married to his Imperial Highness Frederick William Crown Prince of Germany, January 23, 1853, and has issue five sons and four daughters.

His Royal Highness ALBERT-EDWARD PRINCE OF WALES, born November 9, 1841; married March 10, 1863, Alexandra of Denmark (Princess of Wales), born December 1, 1844, and has issue three sons and three daughters.

Her Royal Highness Alice-Maud-Mary, born April 25, 1843; married to H.R.H. Prince Frederick Louis of Hesse, July 1, 1862; died December 14, 1878, and had issue two sons and five daughters.

His Royal Highness Alfred-Ernest-Albert, Duke of Edinburgh, Earl of Kent and Earl of Ulster, born August 6, 1844; married to the Grand Duchess Marie-Alexandrowna, and has issue one son and two daughters.

Her Royal Highness Helena Augusta-Victoria, born May 25, 1846; married July 5, 1866, Prince Frederick Christian of Schleswig Holstein, and has issue three sons and two daughters.

Her Royal Highness Louisa-Caroline-Alberta, born March 18, 1848; married March 23, 1871, to the Marquis of Lorne, Governor General of Canada.

His Royal Highness Arthur-William-Patrick-Albert, K. G., born May 1, 1850; married March 13, 1879, to Her Royal Highness Princess Louisa Margaret.

His Royal Highness Leopold-George-Duncan-Albert, born April 7, 1853.

Her Royal Highness Beatrice-Mary-Victoria-Feodore, born April 14, 1857.

HOW TO DOUBLE THE USUAL QUANTITY OF MANURE ON A FARM.—Provide a good supply of black swamp mould or loam from the woods, within easy reach of your stable, and place a layer of this one foot thick, under each horse, with litter as usual, on the top of the loam or mould. Remove the droppings of the animal every day, but let the loam remain for two weeks; then remove it, mixing it with the other manure, and replace with fresh mould. By this simple means, any farmer can double not only the quantity but also the quality of his manure, and never feel himself one penny the poorer by the trouble or expense incurred, while the fertilizing value of the ingredients absorbed and saved by the loam can scarcely be estimated.

JANUARY.—In the midst of winter we again must say a word for study in regard to agriculture and kindred sciences. Yes, sciences, for surely you are among those who know that farming has been done without much scientific knowledge, yet not a root or plant of any kind grows but on scientific principles. You ought to know what these are. The air, the water, the soil, the plant, in their mutual relations and dependencies should be carefully considered. You may then be quite persuaded that the brain needs culture relative to these topics and many others. Perhaps you take an agricultural periodical, a good one; well then let us advise you to weigh well the reading matter. Do not be satisfied to look at the pictures of animals, plants or fruits, but thoroughly investigate alleged facts, and be not afraid to try experiments.

Blank Account Books of every description kept constantly in stock, and Special Books supplied to order by JOHN HART.

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DOMINION OF CANADA.

Seat of Government, Ottawa.

GOVERNOR-GENERAL.

His Excellency the Right Honorable Sir John Douglas Sutherland Campbell, Marquis of Lorne, K.T.G., C.M.G., Governor General of the Dominion of Canada and Vice Admiral of the same.

Deputy Governors to sign Money Warrants.—Wm. A. Himsforth and E. A. Meredith, LL.D.

LIEUTENANT GOVERNORS.

Their Honors the hon. D. A. McDonald, Ontario; hon. Theo. Robitaille, M.D., Quebec; hon. Adams G. Archibald, Nova Scotia; hon. E. B. Chandler, New Brunswick; hon. Sir Robert Hodgson, Kt., Prince Edward Island; hon. Joseph Cauchon, Manitoba; hon. David Laird, North-West Territories; hon. A. N. Richard, British Columbia.

COMMANDING HER MAJESTY'S FORCES IN BRITISH NORTH AMERICA.

Major General Sir Patrick Macdougall.

PRIVY COUNCIL.

Minister of the Interior, Right Hon. Sir John A. Macdonald, P.C., K.C.B.; Minister of Finance, Hon. S. L. Tilley, C.B.; Minister of Public Works, Hon. C. Tupper, C.B.; Minister of Agriculture, Hon. J. H. Pope; President of Privy Council, Hon. John O'Connor; Minister of Justice, Hon. James Macdonald; Postmaster General, Hon. Hector Langevin; Minister of Militia, Hon. L. F. R. Masson; Minister of Customs, Hon. M. Bowell; Minister of Marine, Hon. J. C. Pope; Minister of State, Hon. J. C. Aikens; Receiver General, Hon. Alex. Campbell; Minister of Inland Revenue, Hon. L. F. G. Baby.

TO INCREASE THE FLOW OF MILK IN COWS.—Give your cows three times a day, water slightly warm, slightly salted, in which bran has been stirred at the rate of 1 qt. to 2 gals. of water. You will find if you have not tried this daily practice, that the cow will give 25 per cent. more milk, and she will become so much attached to the diet that she will refuse to drink clear water unless very thirsty, but this mess she will drink at almost any time, and ask for more. The amount of this drink necessary is an ordinary water-pail full each time, morning, noon, and night. Avoid giving cows "slops," as they are no more fit for the animal than the human.

FEBRUARY.—We are going to give you a bit of good advice about disinfectants which we have gathered from some one or other of our periodicals. Deodorizers are not always disinfectants. Nevertheless many of these neutralize or absorb what might soon become infectious matter. Those most easily procured, and the most useful, are ground gypsum, sulphate of iron (copperas), and sulphuric acid, largely diluted. Any one of these should be used in every manure cellar, and is to be recommended for stables, pig-pens, cow-sheds, and poultry houses. The gypsum may be scattered freely about the floors, or thrown upon the manure; the copperas should be dissolved in water, at the rate of ten pounds to a barrel of water. The sulphuric acid may be mixed with water in the same proportion, and the liquid scattered over the floors or upon the manure.

Envelopes of almost every grade, size and shape, over 150,000 in stock, at HART'S.

PROVINCE OF QUEBEC.

SEAT OF GOVERNMENT, QUEBEC.

LIEUTENANT GOVERNOR.

His Honor the Honorable Théodore Robitaille; Fred. E. Gautier, Esq., lieut. G. Q. Foot Guards, private secretary and aide-de-camp; Geo. Workman, messenger.

EXECUTIVE COUNCIL.

Hon. Jos. Chapleau, Q.C., premier, commissioner of agriculture and public works.
Hon. L. O. Loranger, attorney general.

PROVINCE OF ONTARIO.

SEAT OF GOVERNMENT, TORONTO.

LIEUTENANT GOVERNOR.

His Honor the Hon. D. A. McDonald.

Private Secretary.—Capt. Forsyth Grant.

Executive Council.—Attorney general, hon. Oliver Moat, Q.C.; provincial treasurer, hon. S. C. Wood; commissioner of Public Works, hon. C. F. Fraser, Q.C.; provincial secretary, hon. A. S. Hardy, Q.C.; commissioner of Crown Lands, hon. T. B. Pardee, Q.C.; Minister of Education, hon. Adam Crooks, Q.C.; clerk of Executive Council, J. G. Scott, Q.C.

NOVA SCOTIA.

SEAT OF GOVERNMENT—HALIFAX.

LIEUTENANT GOVERNOR.

His Honor Hon. Adams G. Archibald, P.C., C.M.G.

EXECUTIVE COUNCIL.

Hon. S. H. Holmes, provincial secretary and premier; hon. J. S. D. Thompson, attorney general; hon. Saml. Creelman, commissioner of Public Works and Mines; members without office, hon. C. J. Townshend, hon. N. W. White, hon. J. S. McDonald, hon. C. J. Macdonald, hon. H. F. McDougall, hon. W. B. Troop.

PROVINCE OF NEW BRUNSWICK.

His Honor the Hon. EDWARD BARRON CHANDLER, Q. C.,

Lieutenant-Governor of the Province of New Brunswick.

Lieutenant-Colonel John Saunders, *Aide-de-camp*.

EXECUTIVE COUNCIL.

HON. ROBERT YOUNG, *President*.

Hon. John James Fraser, Attorney-General; Hon. William Wedderburn, Provincial Secretary; Hon. Pierre Landry, Commissioner of Public Works; Hon. Michael Adams, Surveyor General; Hon. Benjamin R. Stevenson, Hon. J. Herbert Crawford, Hon. W. E. Perley, Hon. Daniel L. Hanington.

MARCHE.—You must not suppose that the establishment of agricultural colleges or experimental farms involves a useless or unprofitable expenditure of time and money. They think otherwise in Europe, as also in Ontario. We are told that a University has been established at Strasburg, and an agricultural experimental station at Rufach. These useful institutions have been founded by the German Government with a view to conciliate the newly acquired Provinces of Alsace and Lorraine for the improvement of their condition. It is a sufficient proof of appreciation that they are chiefly supported by farmers. All the larger German Universities, and several of those of other European countries, have laboratories and other appliances devoted to agricultural research. Canada ought in these respects to be imitators of the Old World.

Commercial and School Papers at Job Prices, Wholesale and Retail. JOHN HART.

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PRINCE EDWARD ISLAND.

LIEUTENANT GOVERNOR.

His Honor Sir Robert Hodgson, Kt.

Private secretary, Robert Robinson Hodgson, Esq.

EXECUTIVE COUNCIL.

Hons. W. A. Sullivan, Neil McLeod, Donald Ferguson, John Lefurger, Samuel Prowse, William Campbell, Nicholas Conroy, J. O. Arsenault, Joseph Wightman.

PROVINCE OF BRITISH COLUMBIA.

SEAT OF GOVERNMENT—VICTORIA, V. I.

LIEUTENANT GOVERNOR.

Hon. A. N. Richards.

EXECUTIVE COUNCIL.

Hon. G. A. Walkem, premier, president of the Council, attorney general, chief commissioner lands and works.

Hon. T. B. Humphreys, provincial secretary; hon. R. Beaven, minister of finance.

NEWFOUNDLAND.

Newfoundland is a sufficient Post office address for all the following:

GOVERNOR AND COMMANDER-IN-CHIEF.

His Excellency Sir John Hawley Glover, G. C. M. G.

Private Secretary, Henry M. Jackson, R. A.

Colonel, aide-de-camp, Edward L. Jarvis, Fred. Crowdy, M. B.

EXECUTIVE COUNCIL.

Hon. Wm. V. Whiteway, Q. C., attorney general, premier; hon. James J. Rogerson, receiver general; hon. Edward D. Shea, colonial secretary and clerk of Executive Council; hon. Wm. J. S. Donnelly, surveyor general, and hon. Jas. S. Winter.

TO CURE HAMS.—Pound some bay salt, saltpetre, common salt, and some coarse sugar, mix it well together, then put it all in to get hot, and white hot, rub the hams well with this, repeating it every morning for a week; then let them lie in the brine for another week, until all is well incorporated in the meat; then take them out to drain on dishes, flour them, and hang them up to dry. You must be guided a good deal by the size of the hams.

APRIL.—Will the inhabitants, farmers and others of the rural districts, the Eastern Townships for instance, permit the Farmer's Almanac in a friendly way to suggest the propriety of paying more attention to the repair of high-ways and bye-ways. It would be well if you would club or bee to do a little more occasionally than mere statute labour or road work. Great losses are often incurred by reason of bad roads. Harness is broken, horses are worried, loads are overturned for want of attention in the repair of roads. In the winter of 1878-9, it was frequently dangerous to travel, but travel was often hindered by the indifference of roadmasters, and the utter carelessness of residents. The utility of railroads on which farmers and others have spent millions is greatly diminished through wretched roads in the vicinity of stations.

Fine Writing Papers, Inks, Pens, Sealing Wax, Inkstands, Files, Clips, Paper Binders, &c., at HART'S.

RATES OF POSTAGE.

LETTERS ADDRESSED FROM OR TO PLACES IN CANADA AND UNITED STATES.

3 cents per $\frac{1}{2}$ ounce.

CITY, OR DROP LETTERS FOR CITY DELIVERY.

1 cent per $\frac{1}{2}$ ounce.

Postage rates must in every case be prepaid by postage stamp. When posted wholly unpaid they cannot be forwarded, but will be sent to the Dead Letter Office. Insufficiently paid letters on which a full rate of postage is paid will be forwarded charged with double the deficient postage, except letters to the United States.

POST CARDS.

Post Cards are issued at one cent each, and may be sent to any address in Canada, Newfoundland, or United States. Post Bands can be obtained at the rate of \$1.25 per hundred. Post Cards are also issued at two cents each for transmission to the United Kingdom and European countries.

RE-DIRECTED LETTERS.

To any Place in Canada, the United States, and Postal Union Countries.

Re-directed letters will be forwarded without any additional charge if not taken from the office or if handed back at the moment of their delivery, but if taken from the office and subsequently re-posted they become subject to a new rate of postage, in default of which they will be sent to the Dead Letter Office, Ottawa.

Notices of change of Residence or Requests to forward correspondence are acted upon only THREE months, unless renewed before the expiration of that period.

MIS-DELIVERED CORRESPONDENCE.

The public are respectfully requested to endorse and promptly return any letters which may have been mis-delivered owing to similarity of names, incomplete addresses or from any other cause.

MATTER WHICH CANNOT BE FORWARDED THROUGH THE POST.

Any explosive substance, glass, liquids or other matter likely to entail risk or injury to the ordinary contents of the Mail, will be sent to the Dead Letter Office, Ottawa.

Letters containing gold or silver money, jewels or precious articles, or anything liable to Customs duties, cannot be forwarded by Post to any of the Postal Union countries.

TRANSMISSION OF SPECTACLES AND EYE-GLASSES BY MAIL.

The exclusion of glass from the mails is so far modified, that spectacles and eye-glasses, if securely put up in cases not likely to allow the contents to escape if broken in course of conveyance, may be sent by Post within the Dominion on prepayment of the above parcel post rates.

POULTRY AND EGGS.—One of our subscribers says: I do a small business in raising and putting up garden seeds; last fall, a year ago, as I was clearing out some red pepper seeds in my back yard, I threw the shucks and chaff promiscuously about. I soon observed my hens picking them up and swallowing them with great avidity. They soon commenced laying eggs, though they had laid none for a month before. I have fed them regularly two or three times a week since then with red pepper, and they have never yet stopped laying, summer or winter, spring or fall, except while they were hatching their chickens, and I am confident, from more than a year's experience, that by this method hens may be made to lay the year round—*Southern paper.*

Blanks, Deeds, Mortgages, Special Forms, Conveyancing Papers, Seals, &c., JOHN HART.

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CIRCULARS PRINTED BY THE ELECTRIC PEN, &c.

The term "printed circulars" is extended to include circulars produced by the electric pen or other mechanical process, easy of recognition by the officers of the Post Office, as well as when printed by the ordinary process of printing type, engraving, or lithography.

REGISTERED LETTERS.

Letters intended to be registered when addressed to places in Canada or Newfoundland must be prepaid by stamp, 2 cents each; to the United States, 5 cents each, in addition to the postage rate.

It will be observed that all classes of matter can be registered to the United States.

All letters for Registration should be posted 15 minutes before the hour of closing ordinary Mails, and 30 minutes before closing of English Mails.

Registered letter stamps have been issued of the denomination of 2 and 5 cents, which may be obtained at the usual places.

NEWSPAPERS AND PERIODICALS.

Newspapers and Periodicals Addressed to places in Canada, Newfoundland, Great Britain (by Canadian) Steamers, or via the United States.

Printed and published in Canada, and posted from the office of publication, or News Agency, to actual subscribers or news agents (including exchanges) are subject to a rate of one cent per pound, gross weight, which must be prepaid by publisher at the time of posting. Such periodicals must be issued not less frequently than once per month. Newspapers for England will be sent to subscribers at the same rate.

TRANSIENT NEWSPAPERS AND PERIODICALS ADDRESSED TO PLACES IN CANADA, NEWFOUNDLAND AND UNITED STATES.

On all newspapers and periodicals other than those from the office of publication, including all newspapers and periodicals published less frequently than once a month, the postage rate is one cent per 4 ounces, in weight, which must be prepaid by postage stamp.

Newspapers and periodicals weighing less than one ounce may be posted singly; if prepaid by postage stamp, one half cent each.

Newspapers from office of publication posted for City Delivery are not delivered by Letter Carrier unless prepaid 1 cent each by stamp.

Newspapers and periodicals published in the United Kingdom, and reposted by news agents to regular subscribers, are not liable to any additional postage.

PARCEL POST RATES WITHIN THE DOMINION.

The rates, to be prepaid by postage stamp, on parcels posted in Canada for destination within the Dominion to which parcels can be sent, are as follows:—

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| For each parcel weighing not less than 4 ozs..... | 6 cents. |
| For do exceeding 4 ozs., and not exceeding 8 ozs.... | 12 cents. |
| For each additional 4 ozs., or fraction of ozs..... | 6 cents. |

QUANTITY OF SEED REQUIRED PER ACRE AND ACTUAL WEIGHT OF EACH TO THE BUSHEL.—Wheat (broadcast) $1\frac{1}{2}$ to 2 bushels; ditto, in drills, $1\frac{1}{2}$ bushels; weight per bushel, 60 lbs.; rye, broadcast, $1\frac{1}{2}$ bushels, weight 56 lbs.; oats, broadcast, 2 bushels, weight 34 lbs.; timothy, broadcast, 2 gals., 45 lbs. per bushel; red clover, broadcast, 3 to 4 gals., 60 lbs. per bushel; white clover, broadcast, 8 lbs., 50 lbs. per bushel; lucerne, broadcast, 10 lbs., 54 lbs. per bushel; herd or red top, broadcast, 1 to $1\frac{1}{2}$ bushels; 14 lbs. per bushel; bluegrass, broadcast, 1 to $1\frac{1}{2}$ bushels, 14 lbs. per bushel; millet, broadcast, $\frac{3}{4}$ to 1 bushel, 45 lbs. per bushel; Hungarian, broadcast, $\frac{3}{4}$ to 1 bushel, 48 lbs. per bushel; corn in hills, 1 to $1\frac{1}{2}$ gals., 56 lbs. per bushel; turnips and ruta baga, 1 lb., 50 lbs. per bushel; onion sets 28 lbs. per bushel.

Bibles, Testaments and Prayer Books, in every style of Binding and Type. Church Service and Prayer Books, Catechisms and Hymn Books (all Denominations), at the Perth Bookstore.

Parcels intended to pass through the Mails should not exceed 5 pounds in weight, or 24 inches in length, or 12 inches in breadth, and should be marked "by parcel post." Parcels may be Registered by affixing a 5 cent Registered Letter Stamp thereto, in addition to the Postage.

MISCELLANEOUS POSTAL MATTER.

Books and pamphlets, printed circulars, prices current, handbills, book and newspaper manuscript, printers' proofs, maps and prints, engravings, sheet music, photographs, insurance policies, militia and school returns, seeds, cuttings, bulbs, roots, legal papers, for Canada, Newfoundland and the United States, may be posted prepaid by stamp at 1c. per 4 oz., provided they be sent in covers open at the ends or sides, and so put up as to admit of the contents being, if necessary, easily withdrawn for examination; if enclosed with written communications, or in sealed envelopes notched at the ends or sides, letter rate of postage will be charged.

The weight of packages of seeds, cuttings, bulbs, roots, scions or grafts, is limited to 24 oz. Packages of other miscellaneous matter are limited to 5 pounds in weight, 24 inches in length and 12 inches in breadth or depth.

Post bands with an impressed one cent stamp for this purpose, may be obtained at any Stamp Agency, at the rate of 4 for 5 cents.

PATTERN AND SAMPLE POST.

CANADA.

Patterns and samples of merchandise, not exceeding 24 ounces in weight, when posted in Canada for places within Canada or Newfoundland, must be prepaid by postage stamp at the rate of one cent per 4 ounces weight, and put up in such manner as to admit of inspection. Goods sent in execution of an order, however small the quantity may be, or articles sent by one private individual to another, not being actually Trade Patterns or Samples, are not admissible as such.

UNITED STATES.

Patterns and samples of merchandise, posted for places in the United States, will continue to be subject to the special rate of 10 cents each, prepaid by postage stamp, and must not exceed 8 ounces in weight.

BEAR THIS IN MIND.

Register all valuable letters, and use sealing wax for letters containing money. Transmit money by money orders.

Make complaints and inquiries in writing.

Preserve and request correspondents to preserve envelopes of mis-sent or delayed letters.

MAY.—What becomes of the bones of all the cattle, hogs and sheep we devour? All bones contain the food of plants, roots and herbs. An English agricultural writer of celebrity assures us of the great value of a dressing of bone dust upon dairy farms. This gentleman assures us that since bone manures have been applied to the Cheshire pastures the produce of the soil in herbage and cheese has been greatly increased. The increase of stock has been from thirty to fifty per cent., and in one case, of a farm of 160 acres, the number of feeding stock has been enlarged from twenty cows and three colts to thirty-five cows, eight feeding heaves, sixteen yearlings and heifers, five horses, and three colts. It is, however, observed that the quality of the cheese deteriorates, except where more skillful management has been applied to the manufacture. The richer the herbage the greater care and skill are required.

Paints and Oils, we offer the best value in Paints and Oils. Our "Imperial" White Lead still heads the list as a first-class uniform White Paint, JOHN HART.

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Send to the Post Master envelopes of letters about which you seek information or make complaint.

Business men should be careful to authorize but a limited number of persons to receive their letters, and only those in whom they have full confidence.

MONEY ORDERS.

Every money order office in the Province of Quebec, Ontario, New Brunswick, Nova Scotia, Prince Edward Island, Manitoba and British Columbia issues money orders on every other money order office in these Provinces, as well as on every money order office in the United Kingdom. Every money order office in the United Kingdom also issues money orders on every money order office in these Provinces.

All the money order Post Offices are authorized to draw money orders on each other for any sum up to \$100, and for as many orders of \$100 each as the applicant may require, upon the following terms, viz.,

| | |
|--------------------------------|----------|
| On Orders up to \$4..... | 2 cents. |
| “ “ \$10..... | 5 “ |
| “ over \$10 and up to \$20.... | 10 “ |
| “ over \$20 “ \$40.... | 20 “ |
| “ over \$40 “ \$60.... | 30 “ |
| “ over \$60 “ \$80.... | 40 “ |
| “ over \$80 “ \$100.. | 50 “ |

MONEY ORDERS ON THE UNITED KINGDOM.

The money order offices throughout the Dominion also draw upon all the money order offices in England, Ireland and Scotland, and the Channel Islands, for any sum up to £10 sterling, and grant as many orders for £10 sterling each as may be needed to make up the amount to be remitted.

The terms are as under:

| | |
|-----------------------------|-----------|
| On Orders up to £2..... | 25 cents. |
| “ over £2 and up to £5..... | 50 “ |
| “ over £5 “ £7..... | 75 “ |
| “ over £7 “ £10..... | \$1.00 |

MONEY ORDERS ON THE LOWER PROVINCES.

The money order offices in Canada draw also upon all money order offices in Newfoundland. Orders like those of the United Kingdom are made payable in sterling money, and for sums up to £10 sterling. The terms are:

For Orders up to £5, 25 cents.

“ over £5 and up to £10, 50 cents.

No half cents can be introduced into orders.

ORDERS ON BRITISH INDIA.—On orders up to £2, 30 cts.; over £2, and up to £5, 60 cts.; over £5, and up to £7, 90 cts.; over £7, and up to £10, \$1.20.

ORDERS ON UNITED STATES.—On orders up to \$2, 25 cts.; on orders up to \$40, 50 cts.

JUNE.—You don't believe that agricultural machinery is profitable. Perhaps not for you, because you have no work to which you can give your attention in the time saved by the use of machinery. If you have no means of employing your time during the winter, perhaps it will be as well for you to use the old fashioned flail, and get as much dust on your lungs as they will bear. Think over the matter a little, and see whether you can arrange your business so that all your so-called spare time can be profitably employed. A machine is costly, but time is money. As far as our observation goes, there are very few farmers who could not find sufficient work to occupy all their time usefully, that is profitably. The old adage “waste not, want not” applies to time, as well as other things. Before you condemn machinery arrange your business anew.

Our Mineral Paints are greatly in favor with Painters for the great variety of beautiful Tints they produce, and are specially adapted for Outside Painting, JOHN HART.

No money order exceeding \$100 in amount can be granted in any office in Canada; but Postmasters are at liberty to grant two or more orders for \$100, or for any lesser sum. They cannot, however, grant two or more orders for sums of or under \$30 on the same day to the same applicant in favor of the same payee.

POST OFFICE SAVINGS BANK.

1. The direct security of the Dominion is given by the Statute for all deposits made in the Post Office Savings Banks.

2. Any person may have a deposit account, and may deposit nearly any number of dollars, from \$1 up to \$300, or more, with the permission of the Postmaster General.

3. Deposits may be made by married women, and deposits so made, or made by women who shall afterwards marry, will be repaid to any such women.

4. As respects children under ten years of age, money may be deposited—

FIRSTLY—By a parent or friend as Trustee for the child, in which case the deposits can be withdrawn by the Trustee until the child shall attain the age of ten years, after which time repayment will be made only on the joint receipts of both Trustee and child.

SECONDLY—In the child's own name—and, if so deposited, repayment will not be made until the child shall attain the age of ten years.

5. A depositor in any of the Savings Bank Post Offices may continue his deposits at any other of such offices without notice of change of Pass Book, and can withdraw money at that Savings Bank Office which is most convenient to him. For instance, if he makes his first deposit at the Savings Bank at Cobourg, he may make further deposits at, or withdraw his money through, the Post Office Bank at Collingwood or Quebec, Sarnia, Brockville, or any place which may be convenient to him, whether he continues to reside at Cobourg or remove to some other place.

6. Each depositor is supplied with a Pass Book, which is to be produced to the Postmaster every time the depositor pays in or withdraws money, and the sums paid in or withdrawn are entered therein by the Postmaster receiving or paying the same.

7. Each depositor's account is kept in the Postmaster General's Office, in Ottawa and in addition to the Postmaster's receipts in the Pass Book, a direct acknowledgment from the Postmaster General for each sum paid in is sent to the depositor. If this acknowledgment does not reach the depositor within ten days from the date of his deposit, he must apply immediately to the Postmaster General, by letter, being careful to give his address and, if necessary, renew his application until he receives a satisfactory reply.

8. When a depositor wishes to withdraw money, he can do so by applying to the Postmaster General, who will send him by return mail a cheque for the amount, payable at whatever Savings Bank Post Office the depositor may have named in his application.

9. Interest at the rate of 4 per cent. per annum is allowed on deposits, and the interest is added to the principal on the 30th June in each year.

10. Postmasters are forbidden by law to disclose the name of any depositor, or the amount of any sum deposited or withdrawn.

JULY.—Every once in a while there is a renewed furore concerning the manufacture of sugar from the beet. Perhaps these spasmodic affections are occasioned by some wonderful stories of the success of this enterprise in other countries, or from the expectation of profit in the business under a tariff in some respects protective. However that may be, we take occasion to say that, in our opinion, there are a great many places in Canada where the manufacture of sugar from the beet could be profitably followed. We have admirable lands for beet raising, and in localities too where rich manure is plentiful. We are assured that the sugar takes nothing from the soil, or is no tax upon the land, because the residuum after the expression of the juice is returned to the farm for feeding stock. More stock may be maintained, more manure produced, and the estate therefore worked more profitably.

Genuine White Lead, the best English Linseed Oils, and all other Genuine Paints, Dry or in Oil, at prices that always suit our Customers, JOHN HART.

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11. No charge is made to depositors on paying in or drawing out money, nor for Pass Books, nor for postage on communications with the Postmaster General in relation to their deposits.

12. The Postmaster General is always ready to receive and attend to all applications, complaints, or other communications addressed to him by depositors or, others, relative to Post Office Savings Bank business.

13. A full statement of the Regulations of the Post Office Savings Bank may be seen at the nearest Post Office.

THE STAMP ACTS.

These Acts impose a duty on every promissory note, draft, or bill of exchange, not exceeding \$25, 1 cent; not exceeding \$50, 2 cents; less than \$100, 3 cents; not less than \$100, if executed singly, 3 cents per \$100, or fraction thereof; if executed in duplicate, 2 cents per \$100, or fraction thereof on each part; if executed in more than two parts, 1 cent per \$100 or fraction thereof on each part.

Any interest payable with note at maturity must be counted as part thereof. The duty is to be paid by *bill stamp*, on which the date is to be written. Bank notes, checks, and money orders are exempt. These Acts impose heavy penalties for violation.

SMALL FARM MAXIMS.

1. Small farms are cheaper and easier to manage than large ones, and pay better for the capital invested. Therefore small farms are the best.

2. If you want to make your farm pay, you must give it your daily personal attention. But if your farm is too large you cannot do this; hence, as I said above, small farms are the best.

3. If you don't want your farm to run away you must stop the little leaks. We may expect fewer leaks on a small place than on a big one, hence, again, small farms are the best.

4. Feed your land well, and it will feed you. It takes less to feed a few acres than a good many. So, you see, small farms are the best.

5. If you would live long and enjoy life, work a little, then rest a little. But if you have a large farm you must labor all the time. Here again, small farms are the best.

6. To raise big corn you must keep small grass. To make small grass you must cut often. So in this, we find small farms are the best.

7. If you have a good fence you need fear no loss by stock. But fences are costly.—Thus, once more, we find that small farms are best.

8. If you want good roads, and plenty of schools, churches, and mills, you must have a dense population. If farms are large this is impossible. Therefore, I declare small farms to be best.

9. Farms should increase in value year by year. It costs less to improve a few acres than a good many.

KEEPING HARNESS PLIABLE.—By adding a little glycerine to the grease applied to harness, it will be kept in a soft and pliable state, in spite of the ammoniacal exhalations of the stable, which tend to make it brittle.

AUGUST.—We have just had some talks with our neighbor about planting potatoes and sowing mangel wurzel. I thought my potato cuttings were planted too deep, and he thought they were not planted early enough. Early planting was not enough, for he said they required good tillage, and in many soils deep planting. In case of drought I agreed that deep planting was right. My neighbor said if the soil be reasonably deep and mellow, the seed may be placed six inches deep. I told him that three inches deep in a fair soil had given me a good crop, and that was sufficient. I also made up my mind from experiment to sow mangel-wurzel not more than two inches deep. Some that was sown only one inch deep came up better than others sown at two. Select a fine mellow soil, by pressure or rolling bring the soil around the seed, and in ordinary circumstances there will be a good crop.

Machinery Oils, Olive Oil, Lard, Heavy Engine, Elephant, and Lubricating Oils, Straw, Pale and Steam Refined Seal Oils, Tanners' Oil, &c., at the lowest Prices, JOHN HART.

1880.

THE DIVISION COURTS FOR THE COUNTY COURT,
DISTRICT OF LANARK AND RENFREW,

For the year 1880, will be held as follows :

COUNTY OF LANARK.

| Division. | Where Held. | Jany. | March | May. | July. | Sept. | Nov. |
|---------------------|------------------|-------|-------|------|-------|-------|------|
| 1 Perth..... | Court House..... | 3 | 5 | 7 | 3 | 10 | 5 |
| 2 Lanark Village.. | Town Hall..... | 7 | | 8 | 7 | 11 | |
| 3 Carleton Place.. | Newman's Hall.. | 14 | 3 | 5 | 15 | 8 | 3 |
| 4 Smith's Falls.... | Town Hall..... | 8 | 4 | 6 | 8 | 9 | 4 |
| 5 Pakenham..... | do..... | 12 | | 3 | 13 | 6 | |
| 6 Almonte..... | Court Room..... | 13 | 2 | 4 | 14 | 7 | 2 |

COUNTY OF RENFREW.

| | | | | | | | |
|------------------|------------------|----|----|----|----|----|---|
| 1 Pembroke..... | Court House..... | 7 | 5 | 11 | 2 | 3 | 2 |
| 2 Beachburg..... | Town Hall..... | 9 | 6 | | 7 | 4 | |
| 3 Renfrew..... | do..... | 14 | 4 | 12 | 14 | 2 | 4 |
| 4 Arnprior..... | do..... | 15 | 12 | 13 | 15 | 10 | 5 |
| 5 Dacre..... | School House.... | 16 | 11 | | 16 | 9 | |
| 6 Eganville..... | Court Room..... | 20 | 9 | | 9 | 7 | |
| 7 Cobden..... | Town Hall..... | 13 | 8 | | 13 | 6 | |
| 8 Brudenell..... | do..... | 21 | 10 | | | 8 | |

NAMES AND ADDRESSES OF CLERKS, COUNTY OF LANARK.

1st Division—Robert Jamieson, Perth; 2nd Division—Wm. A. Field, Lanark Village; 3rd Division—James Poole, Carleton Place; 4th Division—W. M. Keith, Smith's Falls; 5th Division—John Cowan, Pakenham; 6th Division—John Paterson, Almonte.

NAMES AND ADDRESSES OF CLERKS, COUNTY OF RENFREW.

1st Division—Andrew Irving, Pembroke; 2nd Division—Thomas Thwaites, Beachburg; 3rd Division—George Eady, Jr., Renfrew; 4th Division—Geo. E. Neilson, Arnprior; 5th Division—Adolphe St. Pierre, M.D., Dacre; 6th Division—James Reeves, Eganville; 7th Division—Robert Allan, Cobden; 8th Division—John C. Gurney, Rockingham.

All the Courts open at 9 a.m., excepting the January Sittings, which will open at 10 a.m.

JNO. DEACON, Co. J.
W. S. SENKLER, Co. J.

SEPTEMBER.—There has been so much said and written about clover as a fertilizer that it may not be out of place to record a statement we find taken from the *New England Homestead*, a reliable and useful paper. About twenty years ago a man obtained by lease a tract of land for a term of years, most of which was exhausted and worn-out rye land. One field of ten acres was sown with rye when he took it. The lessee gave it a coat of ashes, and a good sprinkling of clover seed. The rye yielded six bushels per acre; it was so thin that the clover had sufficient room to grow. The next season the clover covered the ground completely, and was allowed to remain on the ground the whole season. In the spring of the second year the whole was plowed in, and the field planted with corn, which yielded forty-seven bushels to the acre. It has remained a fertile field to the present time, and is very valuable land. Clover is therefore a fertilizer.

Conveyancers will find everything in the way, Special Papers,
Blank Deeds, Mortgage Forms, &c., at HART'S.

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IN THE COUNTIES OF LANARK AND RENFREW FOR 1880.

The County Court and Surrogate Terms begin January 5th, end January 10th; begin April 5th, end April 10th; begin July 5th, end July 10th; begin October 4th, end October 9th.

SITTINGS OF COUNTY COURT WITHOUT JURY.

5th April and 4th October.

Special Sittings appointed as business requires.

GENERAL SESSIONS AND COUNTY COURT WITH JURY.

In County Lanark, 8th June and 14th December. In County Renfrew, 1st June and 7th December.

COUNTY OF LANARK.

Judge.—William S. Senkler, Perth, P.O.

Sheriff.—James Thompson, Lanark, Perth, P.O.

E. G. Malloch, County Crown Attorney and Clerk of the Peace, Perth; W. S. Senkler, Master and Deputy Registrar in the Court of Chancery, Perth.

Charles Rice, Deputy Clerk of the Crown and Pleas, Registrar of Surrogate Court, and Clerk of the County Court, Perth.

Peter Clark, Warden; Thomas Brooke, County Clerk; W. W. Berford, Treasurer; James Bell, Perth, Registrar, S. R.; John Menzies, Almonte, Registrar, N. R.; D. Kellock, Collector Inland Revenue, County of Lanark.

Official Assignees.—W. H. Grant, Perth; A. J. Mathewson, Perth; G. A. Con-sith, Perth; A. W. Bell, Carleton Place; and James Dowdell, Almonte.

Inspector Weights and Measures.—A. Code, Carleton Place.

License Commissioners, S.R.—Thomas Cairns, Hugh Ryan and Richard Locke; Inspector, Henry Stafford, Perth, P.O.

License Commissioners, N.R.—Joseph Jamieson, A. McArthur and Boyd Caldwell; Inspector, J. W. Manning, Almonte, P.O.

BOARD OF PUBLIC INSTRUCTION.

COUNTY OF LANARK.

H. Lloyd Slack, M.A., County Inspector.

EXAMINERS.

Rev. R. L. Stephenson, M.A., Perth, P.O.

Rev. S. Mylne, Smith's Falls, P.O.

Rev. Wm. Bain, D.D., Perth, P.O.

Carleton Place, P.O.

F. L. Michell, B.A., Secretary, Perth, P.O.

OCTOBER.—It is nothing new to speak or write of the value of leached ashes, but those who experience afresh their good effects on soil may be excused for their expressions of satisfaction. A farmer who has used ashes for twenty years upon a hard, worn granite soil, says they will give an increase of hay, upon a meadow newly stocked, for eight years, and then, if the field is plowed again, they will show the effect of the ashes for six years longer. He applies about 100 bushels to the acre on land he designs to keep in meadow, and about seventy-five bushels to pasture land. It is specially satisfactory as an application to the rye crop, even in so small quantities as twenty bushels to the acre. He has reclaimed a large breadth of old fields given up to the growth of bushes, briars and brakes, and made it a fine pasture by the rye-crop and ashes. Leached ashes being so very good, ought not to be wasted or used for filling up holes in the road ways.

Blank Record Books, Day Books, Cash Books, Ledgers, &c., at
HART'S.

PERTH.

POPULATION 3,000.

The County Town of the County of Lanark is situated on the River Tay, and is the terminus of the Perth branch of the Canada Central Railway which connects it with the St. Lawrence at Brockville, distance 45 miles, and the Ottawa River at Sand Point, distance 60 miles; it is also connected with Ottawa, the capital of the Dominion, by the Canada Central Railway, and now with Pembroke and the Upper Ottawa, between which places there are mails and trains twice a day.

Telegraph communication is also direct with Ottawa City, Pembroke and *via* Brockville, to all places East and West and South in the United States and by cables to Great Britain.

CORPORATION.

EDWARD ELLIOT, MAYOR.

COUNCILLORS.

| <i>West Ward.</i> | <i>Centre Ward.</i> | <i>East Ward.</i> |
|---|--|--|
| A. J. Matheson, Edward Elliot, Andrew McArthur. | William Butler, H. B. Wright, William Meighen. | Robert Jamieson, William McLeod, G. A. Casitt. |

Thomas Brooke, clerk; Henry Moorhouse, treasurer; John Gill, messenger; Robert Stone, chief constable; John Keayes, collector; John Trace, market clerk.

PERTH BOARD OF EDUCATION.

Rev. R. L. Stephenson, Chairman,
Henry Moorhouse, Treasurer. Charles Rice, Secretary.

Trustees Nominated by the Councils.

John A. MacLaren, Dr. Robert Howden, Rev. R. L. Stephenson.
Thomas Nichol, Rev. Dr. O'Conner,

Trustees Elective.

| <i>West Ward.</i> | <i>Centre Ward.</i> | <i>East Ward.</i> |
|-------------------------------------|-----------------------------------|----------------------------------|
| Robert Meighen, Charles Meighen. | Henry D. Shaw, Dr. J. Kellock. | Thomas Brooke, W. W. Berford. |

The Board of Education have now under their management the Perth Collegiate Institute, and are prepared to receive pupils from all parts of the country. The

NOVEMBER.—We have been so shocked in many rural districts and in many respectable villages with the arrangements of out-buildings and necessary conveniences, that we have doubted much that we hear about modern civilization, when the simplest and most inexpensive method of deodorizing and removing human deposits is within the reach of every family by the adoption of the earth-closet. Health, to say nothing of decency, requires thorough reform in this matter. At Newport, R. I., six out of a family of eight died from the evil effects of uncleansed privy. Husband and wife and children slain, not by "a mysterious visitation" or Providence, but by gross violation of God's natural laws. You say it is a delicate subject to write about. Oh well, if you would rather die than be decent, we shall say no more until next year, but we recommend the simple earth closet meanwhile.

Photo-Frames, all sizes, on hand or to order, at HART'S.

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building is one of the finest in Ontario, and with the extensive play-ground attached, all properly enclosed, affords the best High School accommodation in the Province. The rooms are large and thoroughly ventilated, and every attention has been given to the health requirements of the pupils.

The teaching staff is now very efficient, and has been highly complimented on its thoroughness and high position in the recent reports of the High School Inspectors.

Scholarships of Free Tuition in the Upper School will be given to all non-resident pupils who have been successful in passing the Intermediate Examination, and special Prizes of Books will be given to the successful Resident Pupils who pass this examination.

The course is adapted both for those preparing themselves for Common School Teachers and for Matriculation in the University.

Teachers.

| | | | |
|---|---|-----|---|
| F. L. Michell, B.A., Mathematics, Principal Collegiate Institute. | | | |
| E. L. Curry, B.A., Classical Master | " | " | " |
| R. T. Nicholl, B.A., English | " | " | " |
| A. W. Burt, English Assistant Master | " | " | " |
| Henry Beer, Principal Model and Public School, 7th department. | | | |
| John Thornton, Teacher, | " | 6th | " |
| Miss Horsburg, | " | 5th | " |
| Miss Andison, | " | 4th | " |
| Miss Smitherman, | " | 3rd | " |
| Miss Ella Keays, | " | 2nd | " |
| Miss H. Holmes, | " | 1st | " |

RATES FOR NON-RESIDENT PUPILS.

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| High School Department..... | per quarter | \$4.00 |
| 7th Department Public School..... | " | 3.60 |
| 6th " " "..... | " | 2.50 |
| 5th " " "..... | " | 2.00 |
| 4th " " "..... | " | 1.50 |
| 3rd " " "..... | " | 1.25 |
| 2nd & 1st " " "..... | " | 1.00 |

For conditions of Entry Fees, and all other information, apply to C. Rice, Esq., Secretary of the Board, Perth, P.O.

BERLIN AND FLEECY WOOLS,

In all Shades and Colors, Canvas Patterns, Worked Slippers and Ottomans, new designs, Choice Novelties in the Holiday Season. **JOHN HART.**

FANCY GOODS,

In Mantle and Table Ornaments, in Fine China and Electroplate and Bronze, Silver-plated Card and Cake Baskets, Cruets, Salvers, Goblets, Fine Table Knives and Forks, Nickel and Electroplate Spoons. Various styles in fine lines for Wedding Presents, &c.
On sale at **HART'S.**

DECEMBER.—In midwinter, please don't think it odd that we should recommend plenty of fresh air and thorough ventilation of the house, but especially the bed rooms. There ought to be free circulation of fresh air in the coldest winter day. To many who live in houses having a good many chimneys and orifices there may be no need for such advice; but just look at that farm house with its double windows and close blinds, its double doors without and double stoves within. What is the character of the air which passes through the lungs of those growing children? It may be warm, but it is not healthy. Have your tight arrangements for winter, yet at the same time fix things for good ventilation. We recommend good reading, but you must have good air or you will surely fall asleep when you ought to be awake.

Nickel Silver Tea, Dessert and Dinner Spoons and Forks, all new patterns, at HART'S.

FAIRS, LANARK AND RENFREW, 1880.

Almonte, last Thursday in April and October.
 Arnprior, first Thursday in May and October.
 Ashton, first Thursday in March and October.
 Bonnechère Point, second Tuesday in April and October.
 Carleton Place, first Tuesday in April and November.
 Clayton, third Wednesday in April and second Wednesday in November.
 Falbrook, last Thursday in September.
 Ferguson's Falls, third Tuesday in May and October.
 Franktown, second Tuesday in May and September.
 Hamlet (North Burgess), first Monday in May and October.
 Lanark, second Tuesday in May and October.
 Middleville, first Thursday in May and October.
 McDonald's Corners, last Friday in September.
 Merrickville, first Thursday in September, October and November.
 Morrow's Mills, last Friday in April and September.
 Pakenham, second Tuesday in May and second Thursday in October.
 Pembroke, second Wednesday in March and third Wednesday in October.
 Perth, first Tuesday in May and October.
 Renfrew, first Wednesday in May and November.
 Roseville, second Thursday in May and September.
 Ross, fourth Tuesday in April and October.
 Sand Point, first Tuesday in May and October.
 Smith's Falls, second Friday in April and first Friday in October.
 Tennyson, last Thursday in September.
 Watson's Corners, first Friday in October.

The publishers will feel obliged by notices of alteration on any of the foregoing Fairs being transmitted them for correction in future publications.

WATERPROOF VARNISH FOR HARNESS—India-rubber, $\frac{1}{2}$ lb.; spts. turpentine, 1 gal.; dissolve to a jelly, then take hot linseed oil equal parts with the mass, and incorporate them well over a slow fire.

FAMILY BIBLES.

With Notes, Illustrations, Family Registers, &c.

Pocket Bibles at all prices, from 30 cents to \$5.

At **HART'S Bookstore.**

Public School Teachers Will find our Stock of School Prize Books, Merit Cards, Crayons, Registers and School requisites always complete at

THE PERTH BOOKSTORE.

JOHN HART.

THE TEACHER AND STUDENT'S POCKET BIBLE

Contains, in addition to the authorized Text, an index to the Persons, Places and Subjects, a Concordance of the Old and New Testament, a Table of Gospel Parables, an Index to the Holy Bible, &c., and is specially valuable to the Sunday School Teacher.

At the **PERTH BOOKSTORE.**

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VALUABLE RECIPES FOR COLORING.

REMARKS.—It may be necessary to remark (says Dr. Chase in his valuable collection of Recipes*), and I do it here, once for all, that every article to be dyed, as well as everything to be used about dyeing, should be perfectly clean.

In the next place, the article to be dyed should be well scoured in soap (to remove any grease or oil used in carding wool), and then the soap rinsed out. It is also an advantage to dip the article you wish to dye in warm water just before putting it into the alum or other preparation; for the neglect of this precaution, it is nothing uncommon to have the goods or yarn spotted. Soft water should always be used, and sufficient to cover the goods well.

As soon as the article is dyed it should be aired a little, then well rinsed, and afterwards hung up to dry.

It is also highly important in dyeing reds, to use a brass or copper boiler, or, in the absence of either, a good new tin boiler, as the acids used in coloring, if brought into contact with iron, will darken the reds, and often a dirty brown is produced by using a tin boiler with the tinning partly worn off.

The best dye stuffs should always be used, irrespective of price, as the common or cheaper qualities often disappoint the domestic dyer.

The best dyes are always to be had at the store of John Hart.

BLACK.—On wool, silk, or cotton.—For every pound of cloth it will require one ounce of extract of logwood, and half an ounce of blue vitriol. Prepare an iron kettle, with a sufficient quantity of water to admit the yarn or cloth to be worked in the dye without being crowded—bring the water to scalding heat—then put in the yarn or cloth a few minutes. When it is thoroughly wet take it out and drain it. In the next place add the blue vitriol, and then, when dissolved, and water skimmed carefully, put in the material to be colored, and let it remain half an hour at a scalding heat, airing it occasionally. Then take it out and rinse it in soft water. The vitriol water may now be emptied into a separate vessel, and the extract of logwood, dissolved in a sufficient quantity of water, brought to a scalding heat and skimmed. Put in the cloth, keeping the dye at the same temperature, and let it remain half an hour, airing it frequently. Then take it out and drain it, add the vitriol water to the dye, and put it in again, and let it remain fifteen minutes, airing as before—cleanse it well. This process is for a bluish shade, and for a reddish shade add a very small piece of copperas and cream of tartar.

Chip Logwood and Extract of Logwood, Blue Stone, Copperas and everything required for Black, to be had at Hart's.

BLUE.—A splendid blue may be produced in an hour by the following process:—For each pound of wool or cloth take two and half ounces of alum and one ounce and a half of cream of tartar. Boil these together in a brass or copper kettle for about an hour; now take sufficient warm water to cover the cloth or wool, and color it to the shade you wish with the liquid blue; put the whole into the copper pot and boil in a short time, taking care to keep it stirred; remove the cloth, and rinse it in clean cold water, and hang it up to dry. For a light blue, one ounce of the liquid blue, and more for a deeper shade, for each pound of wool.

* Dr. Chase's Book of Receipts and valuable information for sale, and sent free by mail on receipt of 75 cents.

THE PERTH SEED STORE

Still keeps its reputation for Seeds of the most reliable qualities, and for the best assorted and largest stock of

GARDEN AND AGRICULTURAL SEEDS IN THE COUNTY.

JOHN HART.

The best and common qualities of Indigo, Liquid Blue, &c., always on hand and for sale at Hart's.

BROWN.—For each pound of wool take a quarter pound of alum and two ounces of cream of tartar, and boil for half an hour. Take half a pound of red wood, quarter pound fustic and two ounces of chip logwood, soak these a night in sufficient warm water to cover the wool; take the wool out of the alum water, and boil with the woods for about half an hour. If a dark brown is wanted, add a very small piece of copperas.

GREEN.—For every pound of yarn or cloth add three and a half ounces of alum and one pound of fustic, steep to get the strength, but not boil; soak the cloth until it acquires a good yellow color, then throw out the chips and add the indigo compound slowly, until you have the desired shade of green.

An ounce or more of the compound is required for the above quantity, varied according to the depth of the shade.

LILAC COLOR.—This color is made by boiling the cloth or wool for a short time in cudbear.

Fustic, Indigo Compound, and all Dyes for Brown, Green and Lilac to be had, of reliable qualities, on y at Hart's.

MADDER RED.—Take one pound of madder, for every two pounds of yarn or cloth; soak the madder in a brass or copper kettle one night in warm water, enough to cover the yarn you wish to color; next morning put in two ounces of madder compound for every pound of madder which you have soaked, then wet your yarn or cloth and wring it out in clean water—afterwards put it in the dye—now place the kettle over the fire, and bring it slowly to a scalding heat, which will take above half an hour. Keep it at this heat half an hour if light red is wanted and longer if a dark one, the color depending upon the time it remains in the dye. When the color is made, rinse the cloth immediately in cold water, and it will then be finished.

Another good **MADDER RED** may be thus obtained:—For every two pounds of yarn or cloth, take one pound of madder, one half pound of alum, and two ounces of cream of tartar; take a brass, copper, or a *new tin* kettle well cleaned, fill it with water, and boil it and put in the alum, cream of tartar and the yarn or cloth; keep them in two or three hours, stirring frequently; keep the liquid at about blood heat; when this is done, take out the yarn or cloth, and throw out the liquid. Fill the kettle with fresh water, heat it as warm as one could bear his hand in it, put in the madder (which should be soaked the night before), stir it well so as to get it thoroughly mixed; then put in the yarn or cloth, let it remain one hour, stirring frequently, and keeping the madder hand-warm all the time—after this take out the stuff and dry for use.

The best Dutch Madder, and best only, should be used. Madder Compound, Cream Tartar, and Alum to be had only at Hart's.

MAGENTA.—Take four ounces of cudbear to every pound of wool or silk; pour a sufficient quantity of boiling water upon the cudbear, enough to cover the article you wish to color; then put in your wool or silk, airing it frequently. When the color is made, take it out of the dye and dip it into a solution of salts tartar, previously dissolved in a separate vessel.

LIQUID MAGENTA.—Produces a brilliant crimson by the following simple process:—about one ounce of the liquid is sufficient for a pound of wool or yarn,—pour the liquid into scalding water in an earthen vessel, and dip your goods into it, airing frequently until deep enough in the color. Dry and wash in clean soft water.

CHOICE TOILET ARTICLES,

FANCY SOAPS, WASHES, &c.

FINE TOILET SOAPS,

Various qualities by the best makers in Honey, Glycerine, Sunflower, Windsor, &c., &c.

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A brilliant scarlet may be produced by using Liquid Scarlet in the same manner.

Cudbear of the first and second qualities, Salts of Tartar, Magenta and Scarlet Crystals, always in stock at Hart's.

PINK.—For every three pounds of yarn or cloth take three and a half quarts of water, or enough to cover the articles you wish to color, two ounces of cochineal and half an ounce of cream of tartar; steep the cochineal in warm water two hours, or until the strength is entirely extracted, and add the cream of tartar—then wet the cloth in clear water—wring it out, and put it in the dye—bring it a scalding heat—let it remain a few moments and it will be finished. If a lighter color is wanted, use less cochineal; if a darker one, more, the shade depending upon the quantity of cochineal used.

See. A cheaper, yet handsome pink, may be obtained by substituting nickwood for madder, in the recipe for madder red.

SCARLET.—(Very superior.)—Three ounces of cochineal, three ounces of cream tartar, and four ounces of solution of tin; powder the cochineal, and rub through a bag into blood-warm water sufficient to cover the yarn; when it is a little warm put in the cream of tartar, and simmer, then add the solution of tin—your yarn must be wet with clean water—steep in the dye till the yarn is properly dyed. Dry your yarn before you wash it. This will dye three pounds.

Some dyers say that a brighter scarlet may be made by using a weak dye of quercitron bark to make the wood a light orange as a preparation for the cochineal scarlet.

Cochineal, Powdered do, Cream Tartar, Solution of Tin, Nickwood, Quercitron Bark, etc., to be had at Hart's.

A FINE WINE COLOR.—One pound of wool, half pound of red wool, one ounce of madder compound. Soak the powdered wool in warm water all night; mix the madder compound with about half a pint of water (in a glass), and add it to the rest; rinse the wool in warm water, and put into the dye, boil about half an hour, take out the wool and rinse in cold water.

A color almost as fine may be had by using quarter pound of alum, and boiling in the same way.

TO DYE A SALMON COLOR.—Take one pound of wool, quarter of a pound annatto, and a quarter of a pound of soap. Take water sufficient to cover the wool, in which dissolve the annatto and soap; rinse the wool in warm water, put it into the annatto mixture, and boil it about half an hour. The shade may be made lighter or deeper according to the quantity of annatto used.

YELLOW.—One pound of wool or cloth, three-quarters of a pound of fustic, quarter pound of alum—put all into an earthen vessel and pour on sufficient hot water to cover the wool and keep it warm all night; give it half an hour's boil in a brass kettle and then rinse in cold water. A much deeper and richer yellow may be made by using turmeric powder instead of fustic, and proceeding in the same manner.

Annatto, fustic, turmeric powder, alum, and the following dye stuffs of the best qualities always in stock:

ANILINE COLORS, IN CRYSTALS.

Magenta, scarlet, mauve, purple, blue, brown, green, yellow and other colors, in packages and by the ounce.

FULLWOOD'S ENGLISH ANNATTO.

The best annatto for dairy use, the only article used by the English dairyman for coloring cheese, &c.

HANDY PACKAGE DYES.

With all the new and popular colors for coloring wool or silk—with full directions on each package—Price 10c. each.

Everything required by the Domestic Dyer, of the best quality, and at the lowest price, for sale by

JOHN HART,

Gore Street, PERTH.

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ENGLISH, AMERICAN AND CANADIAN.

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New & Fashionable Patterns

Will be in all the grades of Paper, and our Customers desirous
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“EARLY ENGLISH,” OR “QUEEN ANNE,”

Of Decoration, as designed by “EASTLAKE,” MORRIS,” &c.,
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Our Stock embraces a great variety of

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ROOM PAPERS,

With Designs in Tints, Colors and Golds,

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IN OAKS, WOODS AND MARBLES.

We have also an immense variety of

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ROOM MOULDINGS IN GOLD, AND GOLD AND COLORS,

Now very generally used, is highly decorative in effect, and useful to hang
Pictures from, always in Stock, or supplied to order.

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GORE STREET, PERTH,

NOVEMBER, 1879.