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MEMORIAL UNIVERSITY
OF NEWFOUNDLAND

A LIST

OF THE

FLOWERING PLANTS & FERNS

OF

NEWFOUNDLAND

WITH METEOROLOGICAL OBSERVATIONS

BY

HENRY REEKS, F.L.S. E.Z.S.,

&c., &c.

NEWBURY:

PRINTED BY BLACKET AND SON, 34, NORTHBROOK STREET,

1873.

from Harvard University. Grey Herbarium Library.

1894, July 16.

Botanic Garden.

NOTES ON THE FLORA OF NEWFOUNDLAND,

[READ BEFORE LINNEAN SOCIETY, DECEMBER 2, 1869.]

THE following list of Flowering Plants and Ferns was compiled during an ornithological trip to Newfoundland from August, 1866 to August, 1868.—and perhaps owes its origin almost entirely to a sick bed, on which I spent many months suffering from a very severe frost bite, which leaves me partially a cripple to this day. That this list has no other faults than those of omission. I am far from thinking; in fact perhaps its only merit consists in its originality, for at present I am not aware of the existence of any other list extant; although I know that small collections of plants have been sent or brought home from time to time. The specimens for the most part were kindly brought me by the settlers or their children, and under such circumstances, as one may naturally suppose, were generally of the most wretched description. Again others were identified, or supposed to be, when I was so weak as scarcely to be able to sit up sufficiently long to examine them; and added to this not having my press or drying paper with me the specimens were generally thrown aside after examination, or placed between the leaves of a book, whence they often got lost.

Three hundred and seventy-one species besides varieties have been enumerated. Of these six, besides *Calluna vulgaris* and *Botrychium Lunaria* are new to the flora of North America, while three of them, to which I have provisionally given names, appear not to have been previously described, viz:—*Viola Burtonii*, *Euphrasia purpurea* and *Iris biflora*. Professor C. Dewey, D.D., gives 186 species of *Carex* for North America, but I have only identified 29 in Newfoundland; also but 38 Grasses of the 258 said to grow in the United States and Canada. The Classification and Nomenclature are taken from Professor A. Wood's "Class Book of Botany," published by A. S. Barnes and Co., New York, 1866.

A LIST OF THE FLOWERING PLANTS AND FERNS.

Marked * are not included in Hooker's "Flora Borealis Americana."

RANUNCULACEÆ.

- Anemone narcissiflora* *A. parviflora*
Thalictrum dioicum *T. confine*
 " *cornuti*
 " *alpinum*
 * *Ranunculus acris*
 " *sceleratus*
Caltha palustris
Coptis trifolia
Aconitum Napellus (introduced)
 * *Cimicifuga racemosa*
 * *Actæa spicata* (fl. June—July)

NYMPHÆACEÆ.

- Nymphæa odorata*: rare?
Nuphar advena (Beaver-root)

SARRACENIACEÆ.

- Sarracenia purpurea* (Indian-pipes)

CRUCIFERÆ.

- Arabis hirsuta* = *A. alpin.*
 " *canadensis*?
Sisymbrium officinale
 " *canescens*
Draba verna = *D. incana*
Capsella Bursa-pastoris

VIOLACEÆ.

- Viola blanda*
 * " *Burtonii* n. sp.? Agrees with
V. blanda except in having the
 lateral petals bearded, and the
 upper petal only beautifully veined
 with purple. Fragrant. May—
 June.
Viola cucullata
 " *canadensis*

DROSERACEÆ.

- Drosera rotundifolia*

CARYOPHYLLACEÆ.

- Cerastium vulgatum*
 " *viscosum* = *Barbarea*
Stellaria media
 " *borealis*
Arenaria lateriflora
Alsine stricta = *Arenaria* *latifolia*
 " *Greenlandica* *venusta* *prostrata*
Sagina nodosa
Honkénia peploides
Spérgula arvensis
 * *Paronychia canadensis*
 * *Scleranthus annuus*
Mollugo verticillata?

BALSAMINACEÆ.

- Impatiens fulva*

ACERACEÆ.

- Acer Pennsylvanicum*
 " *spicatum*
 N.B.—The genus *Acer* is not
 found on the island so far
 north as Cow Head.

LEGUMINOSÆ.

- Pisum sativum* (cultivated)
Lathyrus palustris
 " *maritimus*
Hedys'arum boreale
Trifolium repens
 " *pratense* (introduced)

ROSACEÆ.

- Sanguisor'ba canadensis*
Cerasus Pennsylvànica (from Bonne
 Bay South)
Amelan'chior canadensis
Pyrus Americana
Rosa lucida
 " *carolina*
Agrimonia Eupatoria

Jan. 21. 1866

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 eation
 'Class
 York,

- Archangelica officinalis, introduced?**
 * " **peregrina,**
 * **Daucus carota (introduced)**

Aralia nudicaulis
" **racemosa**

Cornus canadensis

- " *sericea* ?
 " *paniculata* ?
 " *stolonifera*
 " *suecica*—Common at Cow
 Head. Flowers in July. New
 to the Flora of N. America.

Linnæa borealis, (abundant)

- Lonicera caerulea*
Sambucus pubens
N.B. —This plant does not appear to grow north of Rocky Harbour, or perhaps Lobster Cove (49° 33' N.L.)

- *Viburnum O'pulus
* " pauciflorum

Galium boreale ?
 „ asprellum
 Mitchella repens

Aster puniceus
Erigeron canadense ?
 " **Philadelphicum** ?
Solidago canadensis
 " **altissima**
 " **arguta** ?

- Achillea** Millerfolium
Leucan'themum vulgare
Tanacetum vulgare (introduced)
Antennaria margaritacea
 „ plantaginifolia “
Senecio aureus
 ***Centaurea Cyanus** (introduced)
Cirsium muticum
Nabalus altissimus
 „ albus *(C. S. C. C. C.)*
Taraxacum Dens-leonis

Epilobium angustifolium, (an abundant and troublesome weed, called "blood-vine" by the settlers.)

- " alpinum = *hercynicum*
 " palustre
 " tetragonum = *aduncum*

- Circea alpina*
Myriophyllum verticillatum
 " *tonellum*
Hippuris vulgaris (near Bonne Bay:
 rare?

Ribes lacustro
 " *hirtellum*
 " *oxycanthoides*
 " *rubrum* ♂ (white fruit.) In-
 troduced.

? **Penthorum sedoides** : *Sedum rupestris*

Mitella nuda
N.B.—This species is common at Cow Head, N.F.L., but I did not meet with the more common species (*M. diphylla*).

Sanicula canadensis : *S. maryl.*
Heracleum lanatum

CAMPANULACEÆ.

Campanula rotundifolia

N.B. — The Newfoundland variety (?) of this plant differs from the European form in being much less branched, with fewer, but much larger flowers; average specimens of which measure 1 inch long by 1 inch 2 lines wide, and are much more pentagonal in form. The plant is called 'thimble-flower' in Newfoundland.

ERICACEÆ.

Gaylussacia resinosa

Vaccinium cespitosum

" Canadense

" Pennsylvanicum

" corymbosum

Oxycoccus palustris

" macrocarpus

Chiogetes hispidula

Kalmia glauca

Epigaea repens

Arctostaphylos Uva-ursi

? Gaultheria procumbens

Andromeda polifolia - glaucophylla

" calyculata

Ledum palustre - ?

Pyrula secunda

" minor

" chlorantha

Moneses grandiflora

? Chimaphila umbellata ?

Monotropa uniflora

" Hypopitys

Calluna vulgaris

N.B. — Through the kindness of the Bishop of N.F.L., I have recently received a liberal supply of this plant in flower. The specimens were gathered near Capelin Bay in about 47° N.L., and 53° West long. All the known localities for this plant in N.F.L. appear to be in about the same latitude, and between 53°—54° west longitude! viz., "Head of St. Mary's Bay and Trepassoy Bay," (Mr. W. E. Cormack).

Professor Geo. Lawson, in Transactions of Nova Scotia Institute of Nat. Science records having gathered Calluna vulgaris on Ulston Farm, St. Anns Bay, Cape Breton Island. It has also been gathered at Tewksbury, Massachusetts.

PRIMULACEÆ.

Primula Mistassinica	} both common.
" farinosa	
Trientalis Americana	
Samolus valerandi ?	

PLANTAGINACEÆ.

Plantago major (Introduced?)
" lanceolata - decurva

PLUMBAGINACEÆ.

Statice Limonium
Arméria vulgaris (rare?)

LENTIBULACEÆ.

Pinguicula vulgaris	
Utricularia intermedia	
* " minor	} rare?
" vulgaris	
" ? subulata	
" cornuta	

OROBANCHACEÆ.

Conopholis Americana
Aphyllon uniflora

SCROPHULARIACEÆ.

Veronica Anagallis: americana
" scutellata
" serpyllifolia
Castilleja septentrionalis
Pedicularis Canadensis ?
Rhinanthus Crista-galli
Euphrasia officinalis, common form.
" purpurea, n. sp.? This form of eyebright occurs in considerable patches on the sea coast at Cow Head, N.F.L., and is readily distinguished when growing by its being much smaller proportionally in all its parts, and by its dark purple flowers. (E. gracilis? Fries.)

LABIATÆ.

Mentha viridis
 " *Canadensis*
Brunella vulgaris
Scutellaria galericulata
 " *lateriflora*

BORRAGINACEÆ.

Mertensia maritima
Echinopspermum Lappula
Cynoglossum officinalis } rare!
 " *Morrissoni*

GENTIANACEÆ.

Gentiana crinita = *acuta*
 " *Andrewsii* ?
 " *Amarella*
 N.B.—This last is common among
 short grass at Cow Head,
 N.F.L., and is new to the
 flora of N. America. (*G. acuta*
 of Michx.?)

Halenia deflexa
Menyanthes trifoliata

OLEACEÆ.

Fraxinus Americana = *maria*
 N.B.—North as far as Bonne
 Bay, N.F.L.
 " *pubescens*? Bonne Bay.

POLYGONACEÆ.

Oxyria reniformis
Rumex crispus
 " *verticillatus* = *Scutellaria*
 " *Acetosella*
Polygonum aviculare
 " *hydropiperoides* } same?
 " *Hydropiper*
 " *amphibium*
 " *viviparum*

CHENOPODIACEÆ.

Blitum capitatum

SANTALACEÆ.

Comandra umbellata = *C. virginica*

URTICACEÆ.

Urtica procera = *Lyallii*
 " *dioica* (Introduced?)

EMPETRACEÆ.

Empetrum nigrum
 * *Corema Conradii* (rare?)

CUPULIFERÆ.

Corylus Americana ?
 " *rostrata* (rare?)

BETULACEÆ.

Betula excelsa, (North to Bonne
 Bay.)
 " *lenta*, rare at Cow Head. ?
 * " *nigra* ?
 " *papyracea*
 " *pumila*
Alnus incana
 " *serrulata* = *millii*

MYRICACEÆ.

Myrica Gale

SALICACEÆ.

Salix purpurea
 " *longifolia*
 " *repens*
 " *herbacea*
 " *lucida*
Populus balsamifera
 " *candicans*

CALLITRICACEÆ.

Callitriche verna

CONIFERÆ.

Pinus strobus
 * " *mitis* ?
 " *resinosa*
 " *Banksiana* ?
Abies balsamea
 " *alba*
 " *rubra*
 " *nigra*
Larix Americana
Juniperus communis
 " *prostrata*, (common)

TAXACEÆ.

Taxus Canadensis

TYPHACEÆ.

- Typha latifolia*
 * *" augustifolia*
Spar'ganum ramòsum
 " *" nàtans*

NAIADACEÆ.

- Zannichellia palustris*
 * *Zostera marina*
Ruppia maritima

ALISMACEÆ.

- Alis'ma plantàgo*
Sagittaria variàbilis
Triglòchin palustre

ORCHIDACEÆ.

- * *Cypripédium cándidum*
 " *" spectàbilis*
 " *" acaulè*
 " *" arietinum*
Platanthera hyperborea
 " *" Paycòdes*
List'era cordàta
 " *" convallarioides*
Spiran'thes gràcilis
 " *" cèrnua*
 * " *" latifolia*
Pogónia ophioglossoides

IRIDACEÆ.

- Iris versicolor*
 " *biflòra*, Not Linn, n. sp.? Two
 flowered *Iris*. Leaves linear,
 shorter than the smooth round
 stem which is 8-10 inches high,
 and bears two light purple
 flowers, one of which withers
 before the other expands. Pe-
 tals very small, linear-lanceolate.
 Flowers in June. Common at
 Cow Head, N.F.L. amongst short
 grass. Said by Prof. Babington
 to resemble *I. Virginica*.

Sisyrinchium Bermudianum?

N.B.—I see no difference between
 this plant and the European
S. anceps: I have never been
 able to gather a specimen in
 which the longer valve of the
 spathe did *not overtop* the
 flowers; although it is said *not*
 to do so in *S. Bermudianum*.

LILIACEÆ.

- Allium schònopràsum* (cultivated)
Polygonàtum multiflòrum
 " *" pubèscens*
Clintonia borealis
Smilacina stellàta
 " *" trifolia*
Majan'themum bifolium
Prosar'tes lanuginòsa

JUNCACEÆ.

- Lúzula pilosa*
 " *" campestris*
Jun'cus effùsus
 " *" scirpoides*
 * " *" débilis*
 " *" acuminátus*
 * " *" cónradi*
 " *" busónius*
 " *" ténuis*
 * " *" bullòsus*

CYPERACEÆ.

- Cypérus inflexus*
 * *Fleochàris ténuis*
 " *" obtusà*
Scir'pus lacústris
 " *" púngens*
 " *" Eriophòrum*
Eriophòrum vaginàtum
 " *" Virgínicum*
 " *" polystachyon*
 " *" gràcile*
Rhynchos'pora glomeràta
 * *Clàdium mariscoides*
Carex dístycha
 " *" muricàta* —
 " *" retrofléxa* —
 " *" stipàta* —
 " *" miràbilis* —
 " *" scopària* —
 " *" cœspitòsa*
 " *" stricta* —
 " *" argutata*
 " *" aquatilis* —
 " *" maritima* —
 " *" salina* —
 " *" obtusàta* —
 " *" Backii* —
 " *" Buxbaumii* —
 * " *" formosa*
 " *" pubèscens*

- Carex flava* —
 " *plantaginea* —
 " *laxiflora* —
 " *débilis* —
 " *arctata* —
 " *Richardsonii* —
 " *subulata* —
 " *hystericina* —
 • " *comosa* —
 " *filiformis* —
 " *Schweinitzii* —
 " *lacustris* —

GRAMINEÆ.

- Loeria oryzoides* (rare ?)
 " *Virginica*
Zizania aquatica
Agrostis vulgaris
 • " *scabra*
Cinna pendula
Alopecurus pratensis
 " *geniculatus*
Phleum pratense (cultivated)
Oryzopsis asperifolia
Panicum dopanperatum
 • " *dichotomum*
 • " *lanuginosum*
Phalaris arundinacea
Anthoxanthum odoratum (introd.)
Hierochloa borealis
Alra flexuosa
 " *caespitosa*
Danthonia spicata
 • *Bromus ciliatus*
Dactylis glomerata (introduced)
Festuca duriuscula
 " *pratensis* (introduced)
Eatonia Pennsylvanica
Poa annua
 " *laxa*
 " *compressa*
 " *serotina*
 • " *trivialis*
 " *pratensis*
Glyceria aquatica

Glyceria Canadensis

- * " *maritima*
 • *Briza media* (introduced)
Elymus Hystrix
 • *Lolium perenne* (introduced)
 • *Triticum repens* (introduced)
 • *Spartina juncea*
 * " *alternifolia*

LYCOPODIACEÆ.

- Lycopodium clavatum*
 " *complanatum*
 " *dendroideum*
 " *annotinum*
 " *lucidulum*

EQUISETACEÆ.

- Equisetum sylvaticum*
 " *limosum*
 " *hyemale*

FILICES.

Botrychium lunaria ?

N.B.—The Newfoundland plant appears to come nearer *B. lunaria* than to either of the described N. American species, and will therefore, I think, prove new to the Flora of that country.

- * *Osmunda regalis* (rare ?)
 " *cinnamomea* (rare ?)
 • " *Claytoniana* (rare ?)

Polypodium vulgare *Struthiopteris Germanica*

- Pteris gracilis*
Adiantum pedatum (rare ?)
Asplenium Felix-femina
Woodsia ilvensis (rare ?)
Cistopteris fragilis
Aspidium acrostichoides
 " *marginale*
 " *Thelypteris*
 " *Novaboracense* } same ?

METEOROLOGICAL OBSERVATIONS. *

1867.				1868.			
Jan.			DEG.	Jan.			DEG.
1	7 a.m. fine, wind S	..	5	1	7 a.m. fine, wind W	-2	
12	" " " S	..	22	12	snowing, " W	10	
	6 p.m. " " S	..	15	6 p.m. " " W	12		
	A beautiful day, wind moderate; mean temperature for the day ..				A good breeze all day; mean temperature for the day ..		
			13 5				5 0
2	7 a.m. fine, wind S	..	6	2	7 a.m. snowing, wind E	20	
12	dull, cloudy, S	..	28	12	drifting, " SE	20	
	6 p.m. light snow, SSE	..	22	6 p.m. snowing, " NE	28		
	Wind moderate all day; mean temperature ..				Wind rough a.m., moderate p.m.; mean temperature ..		
			17 0				24 0
3	7 a.m. fine, wind NNE	..	12	3	7 a.m. snowing, wind NE	12	
12	" " " N	..	24	12	fine, " NE	12	
	6 p.m. " " NNW	..	16	6 p.m. snowing " " N	8		
	Wind moderate but variable; mean temperature ..				Wind moderate all day; mean temperature ..		
			18 0				10 0
4	7 a.m. fine, wind NNW	..	14	4	7 a.m. fine, wind NW	4	
12	" " " N	..	17	12	snowing, " NW	8	
	6 p.m. " " NNW	..	16 0	6 p.m. fine, " NW	8		
	Wind moderate, occasionally varying to NNE; mean temperature ..				Wind moderate, almost calm; mean temperature ..		
			15 5				6 0
5	7 a.m. fine, wind NW	..	19 0	5	7 a.m. 'vapoury.'† wind NW	Zero	
12	dull, cloudy, N	..	14	12	light snow " NW	5	
	6 a.m. " " N	..	10	6 p.m. snowing " WNW	7		
	Wind moderate but cold; mean temperature ..				Moderate a.m., good breeze p.m.; mean temperature ..		
			14 5				3 5
6	7 a.m. light snow, wind WNW	..	7	6	7 a.m. snowing, wind SW	20	
12	" " " WNW	..	14	12	" " " S	23	
	6 p.m. " " WNW	..	10	6 p.m. " " NE	20		
	Wind moderate all day; mean temperature ..				Wind moderate but variable; mean temperature ..		
			10 5				21 5
7	7 a.m. dull, cloudy, wind SE	..	42	7	7 a.m. snow and drift, wind N	30	
12	" " " SE	..	41	12	" " " N	30	
	6 p.m. " " SE	..	28	6 p.m. " " N	28		
	Wind boisterous all day; mean temperature for the day ..				A gale of wind and heavy fall of snow; mean temperature for the day ..		
			40 0				29 0
	Ditto " for the week..				Ditto ditto for the week		
			18 5				14 1
8	7 a.m. fine, wind SSW	..	37	8	7 a.m. 'Glitter,' wind ENE	26	
12	" " " SSW	..	40	12	drift ice in sight " NE	26	
	6 p.m. " " SSW	..	32	6 p.m. fine " NE	25		
	A beautiful day, wind moderate; mean temperature of the day ..				A good breeze a.m., moderate p.m.; mean temperature ..		
			34 0				25 5

* The mean temperature as here taken will not be quite correct, but I rarely saw the thermometer except during the hours for meals. H. R.

† " Vapoury," a kind of "Scotch Mist." "Glitter;" rain freezing and coating everything with a layer of ice. H. R.

1867.

1868.

Jan.			DEG.
9	7 a.m. fine,	wind SSW	28
	12 cloudy,	" SSW	38
	6 p.m. light snow	" SSW	32
	Wind moderate all day; mean temperature ..		33 0
10	7 a.m. fine,	wind SSW	32
	12 " "	" SSW	34
	6 p.m. " "	" SSW	32
	A fine day, wind moderate; mean temperature..		33 0
11	7 a.m. dull, cloudy,	wind S	26
	12 " " "	" S	32
	6 p.m. " " "	" S	30
	Wind moderate all day; mean temperature ..		29 0
12	7 a.m. 8-in. of snow,	wind W	29
	12 light snow	" W	28
	6 p.m. snowing	" W	28
	Wind moderate all day; mean temperature ..		28 5
13	7 a.m. light snow,	wind SW	18
	12 fine	" SW	21
	6 p.m. light snow,	" SW	16
	Wind moderate all day; mean temperature ..		18 5
14	7 a.m. snowing,	wind NNW	14
	12 2-ft. of snow	" NNW	21
	6 p.m. snowing,	" NNW	15
	Wind moderate all day; mean temperature ..		17 5
	Ditto ditto for the week		27 5
15	7 a.m. snowing,	wind SW	12
	12 light snow	" SW	15
	6 p.m. snowing,	" SW	11
	A light breeze all day; mean temperature ..		13 0
16	7 a.m. snowing,	wind E	11
	12 " "	" N	14
	6 p.m. " "	" NW	9
	Wind moderate all day; mean temperature ..		11 5
17	7 a.m. fine,	wind NW	9
	12 " "	" NW	8
	6 p.m. " "	" NW	4
	A fine day, wind moderate; mean temperature ..		6 5
18	7 a.m. drifting snow,	wind SE	21
	12 fine,	" S	25
	6 p.m. " "	" S	18
	Wind boisterous all day; mean temperature ..		21 5
19	7 a.m. fine,	wind SE	36
	12 " "	" SE	42
	6 p.m. " "	" SE	38
	A warm, sunny day; mean temperature ..		39 0
20	7 a.m. fine,	wind SE	38
	12 " "	" SE	39
	6 p.m. " "	" E	37
	Wind rough a.m., moderate p.m.; mean temperature		38 0

Jan.			DEG.
9	7 a.m. fine,	wind SSW	23
	12 " "	" SW	27
	6 p.m. "Glitter,"	" SW	24
	Wind very moderate, almost calm; mean temperature ..		25 0
10	7 a.m. fine,	wind S	19
	12 snowing	" E	24
	6 p.m. " "	" N	22
	Wind moderate but very variable; mean temperature ..		21 0
11	7 a.m. snow and drift,	wind W	10
	12 " " "	" W	10
	6 p.m. " " "	" W	8
	Snowing and blowing a gale all day; mean temperature ..		9 0
12	7 a.m. snow and drift,	wind W	10
	12 " " "	" W	12
	6 p.m. " " "	" W	10
	A very rough snowy day; mean temperature ..		11 0
13	7 a.m. fine,	wind N	20
	12 " "	" NW	15
	6 p.m. " "	" NW	12
	A beautiful day, wind moderate; mean temperature ..		16 0
14	7 a.m. light snow,	wind N	8
	12 " " "	" N	7
	6 p.m. " " "	" N	4
	Wind moderate all day; mean temperature ..		6 0
	Ditto ditto for the week		16 2
15	7 a.m., fine,	wind N	2
	12 light snow	" N	3
	6 p.m. " "	" S	4
	Wind moderate a.m.: almost calm p.m.; mean temperature		3 0
16	7 a.m. fine,	wind SE	-4
	12 " "	" SE	14
	6 p.m. snowing	" SE	8
	Almost calm throughout the day; mean temperature ..		5 0
17	7 a.m. snowing,	wind SE	10
	12 " "	" NE	13
	6 p.m. " "	" NE	14
	A snowy day but almost calm; mean temperature ..		14 0
18	7 a.m. snowing,	wind S	19
	12 " "	" WNW	22
	6 p.m. " "	" NW	12
	Almost calm a.m.: good breeze p.m.; mean temperature ..		17 0
19	7 a.m. drift ice in,	wind W	10
	12 snowing,	" W	17
	6 p.m. " "	" W	14
	Wind moderate all day; mean temperature ..		13 5
20	7 a.m. fine,	wind NW	4
	12 light snow	" NW	8
	6 p.m. " "	" NW	2
	Moderate a.m.: almost calm p.m.; mean temperature ..		5 0

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DEG.
 SSW 23
 SW 27
 SW 24
 almost
 ure .. 25 0
 wind S 13
 " E 24
 " N 22
 variable;
 .. 21 0
 wind W 10
 " W 10
 " W 8
 gale all
 re .. 9 0
 wind W 10
 " W 12
 " W 10
 ; mean
 .. 11 0
 and N 20
 " NW 15
 " NW 12
 derate;
 .. 16 0
 wind N 8
 " N 7
 " N 4
 ; mean
 .. 6 0
 e week 16 2
 wind N 2
 " N 3
 " S 4
 almost
 erature 3 0
 ind SE -4
 " SE 14
 " SE 8
 the day;
 .. 5 0
 ind SE 10
 " NE 13
 " NE 14
 calm;
 .. 14 0
 S 19
 WNW 22
 NW 12
 breeze
 .. 17 0
 ind W 10
 " W 17
 " W 14
 ; mean
 .. 13 5
 and NW 4
 NW 8
 NW 2
 calm
 .. 5 0

Jan.
 21 7 a.m. fine, wind E 33
 12 " " " E 37
 6 p.m. " " E 36
 A beautiful day, wind moderate;
 mean temperature .. 35 0
 Ditto ditto for the week 23 0
 22 7 a.m. fine, wind SSW 29
 12 " " " SSW 34
 6 p.m. " " SSW 27
 A fine day, wind temperature;
 mean temperature .. 30 5
 23 7 a.m. fine, wind E 31
 12 " " " E 32
 6 p.m. " " E 30
 Blowing a good breeze all day;
 mean temperature .. 31 0
 24 7 a.m. fine, wind NE 13
 12 cloudy, " N 20
 6 p.m. snowing " N 50
 Blowing a good breeze all day;
 mean temperature .. 16 5
 25 7 a.m. dull, cloudy, wind N 23
 12 light snow, " N 25
 6 p.m. fine, " N 25
 Wind moderate all day; mean
 temperature .. 24 0
 26 7 a.m. fine, wind NW 17
 12 light snow " NW 19
 6 p.m. " " NW 13
 Wind moderate all day; mean
 temperature .. 16 0
 27 7 a.m. Drifting snow, wind SSE 20
 12 " " " SSE 25
 6 p.m. snowing " SE 28
 Wind boisterous a.m., mode-
 rate p.m.; mean temperature 24 0
 28 7 a.m. snowing, wind N 26
 12 fine, " N 29
 6 p.m. snowing, " N 23
 A good breeze, a.m., moderate
 p.m.; mean temperature .. 26 0
 Ditto ditto for the week 24 0
 29 7 a.m. light snow, wind W 23
 12 " " " W 33
 6 p.m. drifting snow " W 19
 Moderate, a.m.: good breeze,
 p.m.; mean temperature .. 26 0
 30 7 a.m. drifting snow, wind NW 7
 12 " " " NW 5
 6 p.m. " " " NW -4
 Blowing a good breeze all day;
 mean temperature .. 1 5
 31 7 a.m. drifting snow, wind NW -15
 12 " " " NW -5
 6 p.m. " " " W 7
 Blowing a good breeze all day;
 mean temperature .. -4 0
 Ditto for January, 1867 16 4

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DEG.
 21 7 a.m. fine, wind E -12
 12 " " " E 3
 6 p.m. " " S Zero
 A lovely day and almost calm;
 mean temperature .. -4 5
 Ditto ditto for the week 7 5
 22 7 a.m. fine, wind E -10
 12 " " " E 4
 6 p.m. " " E -2
 A beautiful day, wind moderate;
 mean temperature .. -3 0
 23 7 a.m. fine, wind S -13
 12 " " " S 8
 6 p.m. " " SW 4
 A lovely day, wind moderate;
 mean temperature .. -2 5
 24 7 a.m. snowing, wind SSW 32
 12 snow & rain " SSW 36
 6 p.m. foggy " S 30
 Wind very rough a.m.: mode-
 rate p.m.; mean temperature 33 0
 25 7 a.m. snowing, wind S 30
 12 drifting, " WNW 23
 6 p.m. light snow " NW 12
 Blowing a good breeze all day;
 mean temperature .. 21 0
 26 7 a.m. snowing, wind NW 1
 12 " " " NW 6
 6 p.m. " " WNW -2
 Blowing a good breeze all day;
 mean temperature .. 2 0
 27 7 a.m. fine, wind S -9
 12 " " " NE 4
 6 p.m. snowing " S 8
 Almost calm a.m.: more wind
 p.m.; mean temperature -0 5
 28 7 a.m. snowing, wind S 27
 12 drifting, " NE 19
 6 p.m. fine, " NE 14
 A good breeze a.m.: moderate
 p.m.; mean temperature .. 20 5
 Ditto ditto for the week 10 0
 29 7 a.m. fine, wind E -9
 12 " " " E 8
 6 p.m. " " E 4
 A lovely day and almost calm;
 mean temperature .. -0 5
 30 7 a.m. snowing, wind E 16
 12 " " " E 23
 6 p.m. " " NW 19
 Heavy fall of snow, but almost
 calm; mean temperature .. 19 5
 31 7 a.m. drifting snow, wind W 4
 12 " " " W 8
 6 p.m. " " " WNW 2
 Blowing a good breeze all day;
 mean temperature .. 5 0
 Ditto ditto for January, 1868 11 3

Feb.	1867.	DEG.
1	7 a.m. light snow, wind WSW	23
12	" " " SW	35
	6 p.m. raining, " S	36
	Wind moderate, a.m.: boisterous, p.m.; mean temperature	29 5
2	7 a.m. drifting snow, wind N	16
12	" " " WNW	13
	6 p.m. " " " WNW	14
	Wind boisterous a.m.: good breeze p.m.; mean temperature	14 5
3	7 a.m. fine, wind W	10
12	dull, cloudy, " ESE	23
	6 p.m. raining, " SE	32
	Almost calm a.m.: boisterous p.m.; mean temperature	21 0
4	7 a.m. raining, wind SW	38
12	fine, " SW	40
	6 p.m. raining " SW	36
	Moderate a.m., boisterous p.m.; mean temperature	38 0
	Ditto ditto for the week	18 0
5	7 a.m. light snow, wind WNW	30
12	fine, " WNW	27
	6 p.m. light snow " S	24
	Wind moderate all day; mean temperature	27 0
6	7 a.m. snowing, wind E	34
12	light snow, " W	36
	6 p.m. fine, " NE	26
	Wind very boisterous before daylight; mean temperature	31 0
7	7 a.m. fine, wind N	10
12	" " " NW	26
	6 p.m. light snow " W	27
	Wind moderate all day; mean temperature	18 5
8	7 a.m. fine, wind NW	25
12	" " " NW	25
	6 p.m. " " " NW	24
	A lovely day, wind moderate; mean temperature	24 5
9	7 a.m. cloudy, wind WNW	24
12	" " " W	38
	6 p.m. raining " SSW	49
	Wind moderate a.m.: boisterous p.m.; mean temperature	36 5
10	7 a.m. raining, wind SW	50
12	fine, " WSW	61
	6 p.m. raining, " W	53
	Wind very boisterous throughout the day; mean temperature	58 5
11	7 a.m. light snow, wind NW	8
12	" " " NW	5
	6 p.m. " " " NW	6
	Moderate breeze throughout the day; mean temperature	6 0
	Ditto ditto for the week	29 1
12	7 a.m. light snow, wind SE	6
12	" " " E	22
	6 p.m. " " " S	20
	Wind moderate all day; mean temperature	14 0

Feb.	1868.	DEG.
1	7 a.m. snowing, wind E	10
12	drifting, " W	16
	6 p.m. " " " W	8
	Moderate a.m., good breeze p.m.; mean temperature	12 0
2	7 a.m. drifting snow, w. WSW	20
12	" " " WSW	26
	6 p.m. " " " WSW	24
	Blowing a gale of wind till evening; mean temperature	23 0
3	7 a.m. fine, wind NE	-9
12	snowing, " NE	-6
	6 p.m. 'vapoury,' " N	-10
	Wind moderate but very cold; mean temperature	-8 0
4	7 a.m. fine, wind W	-20
12	'vapoury,' " W	-4
	6 p.m. light snow, " WSW	Zero
	Blowing a good breeze and very cold; mean temperature	-10 0
	Ditto ditto for the week	5 8
5	7 a.m. fine, wind W	-9
12	" " " W	3
	6 p.m. " " " S	-6
	A lovely day, wind moderate; mean temperature	-3 0
6	7 a.m. cloudy, wind S	Zero
12	" " " SE	16
	7 p.m. snowing " SE	13
	Wind variable, but moderate; mean temperature	8 0
7	7 a.m. snow & drift, " S	26
12	" " " " " W	15
	7 p.m. snowing " " W	10
	Very rough a.m., good breeze p.m.; mean temperature	18 0
8	7 a.m. fine, wind NW	-8
12	" " " NW	-4
	6 p.m. " " " SW	-10
	A beautiful day, wind moderate; mean temperature	-7 0
9	7 a.m. fine, wind SW	-2
12	cloudy, " SW	16
	6 p.m. snowing " SSW	22
	Moderate a.m., good breeze p.m.; mean temperature	10 0
10	7 a.m. raining, wind SSW	33
12	snowing, " SW	33
	6 p.m. cloudy, " W	24
	A good breeze all day; mean temperature	31 0
11	7 a.m. fine, wind N	-9
12	" " " N	-3
	6 p.m. " " " N	-6
	A beautiful day and almost calm; mean temperature	-6 0
	Ditto ditto for the week	7 2
12	7 a.m. fine, wind S	-6
12	snowing, " W	6
	6 p.m. " " " SW	Zero
	Wind moderate a.m., good breeze p.m.; mean temperature	Zero

1867.

Feb.		DEG.
13	7 a.m. fine, wind N	2
12	" " " " N	20
	6 p.m. light snow " E	22
	Wind moderate all day; mean temperature ..	12 0
14	7 a.m. snowing, wind S	32
12	" " " " S	44
	6 p.m. " " " NE	32
	Calm a.m.: good breeze p.m.; mean temperature ..	38 0
15	7 a.m. fine, wind N	10
12	" " " " N	12
	6 p.m. " " " N	10
	Wind moderate throughout the day; mean temperature ..	11 0
16	7 a.m. fine, wind NW	5
12	" " " " NW	15
	6 p.m. " " " W	14
	A beautiful day, wind moderate; mean temperature ..	10 0
17	7 a.m. fine, wind W	10
12	" " " " SW	23
	6 p.m. " " " SW	28
	A beautiful day, wind moderate; mean temperature ..	19 0
18	7 a.m. snowing, wind S	23
12	" " " " S	32
	6 p.m. " " " NE	20
	Wind moderate all day; mean temperature ..	26 0
	Ditto ditto for the week	18 5
19	7 a.m. fine, wind N	4
12	" " " " N	8
	6 p.m. " " " NW	2
	A beautiful day, wind moderate; mean temperature ..	5 0
20	7 a.m. snowing, wind N	-2
12	" " " " N	2
	6 p.m. " " " NW	-4
	Wind moderate all day; mean temperature ..	-1 0
21	7 a.m. fine, wind NW	-12
12	" " " " NE	-6
	6 p.m. " " " NE	-5
	Wind moderate, but very cold; mean temperature ..	-9 0
22	7 a.m. fine, wind NE	-20
12	" " " " NE	2
	6 p.m. " " " NE	-2
	A beautiful day, wind moderate; mean temperature ..	-9 0
23	7 a.m. fine, wind SE	8
12	" " " " SE	25
	6 p.m. " " " SE	22
	Moderate a.m.: good breeze p.m.; mean temperature ..	10 5
24	7 a.m. fine, wind S	23
12	" " " " S	38
	6 p.m. " " " SW	28
	A fine day, wind moderate; mean temperature ..	30 0

1868.

Feb.		DEG.
13	7 a.m. fine, wind NW	-9
12	" " " " NW	Zero
	6 p.m. " " " S	2
	A lovely day and almost calm; mean temperature ..	-4 5
14	7 a.m. snowing, wind S	26
12	" " " " W	30
	6 p.m. " " " NE	Zero
	A very rough snowy day mean; temperature ..	15 0
15	7 a.m. fine, wind S	-20
12	" cloudy, " SW	3
	6 p.m. snowing, " SW	5
	Almost calm till 9 a.m., good breeze after; mean temperature ..	-7 5
16	7 a.m. fine, wind NW	2
12	" " " " NW	14
	6 p.m. " " " S	-2
	A lovely day and almost; calm mean temperature ..	6 0
17	7 a.m. fine, wind S	-21
12	" " " " N	4
	6 p.m. " " " E	-8
	A lovely day and almost calm; mean temperature ..	-8 5
18	7 a.m. snowing, wind S	6
12	" " " " NE	23
	6 p.m. " " " NE	18
	A snowy day, wind moderate; mean temperature ..	14 0
	Ditto ditto for the week	2 0
19	7 a.m. cloudy, wind NE	2
12	" snowing " NE	15
	6 p.m. " " " NW	8
	Wind moderate all day; mean temperature ..	8 5
20	7 a.m. drifting snow, wind W	5
12	" " " " NW	9
	6 p.m. fine, " " W	2
	A good breeze a.m., moderate p.m.; mean temperature ..	5 5
21	7 a.m. light snow, wind SW	14
12	" " " " SW	35
	6 p.m. snowing " " NW	10
	A good breeze a.m., moderate p.m.; mean temperature ..	22 5
22	7 a.m. fine, wind SW	-13
12	" " " " W	2
	6 p.m. " " " W	-8
	A beautiful day, wind moderate; mean temperature ..	-5 5
23	7 a.m. dull, cloudy, wind NE	-4
12	" snowing, " NE	2
	6 p.m. " " " NE	5
	A very rough snowy day; mean temperature ..	-0 5
24	7 a.m. drifting snow, wind N	-10
12	" fine, " NW	-5
	6 p.m. " " " S	-13
	A good breeze a.m., moderate p.m.; mean temperature ..	-0 0

1867.

Feb.			DEG.
25	7 a.m. snowing,	wind NE	26
12	"	" NE	32
	6 p.m. drifting snow	" N	22
	Wind moderate a.m.: boisterous		
	p.m.; mean temperature ..		27 0
	Ditto ditto for the week		8 5
26	7 a.m. snowing,	wind NW	10
12	"	" NW	14
	6 p.m. "	" NW	16
	A moderate breeze all day; mean		
	temperature ..		12 0
27	7 a.m. snowing,	wind NW	10
12	"	" NW	13
	6 p.m. "	" N	13
	Wind moderate all day; mean		
	temperature ..		11 5
28	7 a.m. fine,	wind NNE	4
12	"	" NNE	3
	6 p.m. "	" W	2
	A fine day, wind moderate;		
	mean temperature ..		3 0

Mean temperature for February, 1867 18 6

March

1	7 a.m. fine,	wind W	-18
12	"	" NW	-4
	6 p.m. "	" N	-2
	A moderate breeze all day; mean		
	temperature ..		-10 0
2	7 a.m. fine,	wind SW	4
12	drifting snow, "	SW	14
	6 p.m. "	" S	28
	Moderate a.m.: very boisterous		
	p.m.; mean temperature ..		16 0
3	7 a.m. fine,	wind NW	12
12	drifting snow, "	NW	2
	6 p.m. "	" NW	2
	Wind boisterous a.m.: good		
	breeze p.m.; mean temperature		7 0
	Ditto ditto for six days		6 5
4	7 a.m. fine,	wind N	-18
12	"	" N	10
	6 p.m. "	" N	6
	A fine day, wind moderate;		
	mean temperature ..		-4 0
5	7 a.m. light snow,	wind S	10
12	fine,	" NE	25
	6 p.m. "	" S	14
	Wind moderate all day; mean		
	temperature ..		17 5
6	7 a.m. light snow,	wind NW	7
12	fine,	" NW	17
	6 p.m. "	" W	14
	Wind moderate all day; mean		
	temperature ..		12 0

1868.

Feb.			DEG.
25	7 a.m. fine,	wind S	-21
12	"	" SW	5
	6 p.m. "	" SW	-3
	A lovely day, wind moderate;		
	mean temperature ..		-8 0
	Ditto ditto for the week		1 9
26	7 a.m. fine,	wind SW	-3
12	"	" SW	14
	6 p.m. dull, cloudy,	" SW	10
	Blowing a good breeze all day;		
	mean temperature ..		5 5
27	7 a.m. fine,	wind NW	9
12	"	" NW	16
	6 p.m. "	" SW	6
	A beautiful day, wind moderate;		
	mean temperature ..		10 5
28	7 a.m. fine,	wind E	-4
12	snowing,	" SE	20
	6 p.m. "	" S	25
	Moderate a.m., very rough p.m.;		
	mean temperature ..		10 5
29	7 a.m. fine,	wind W	18
12	light snow,	" SW	30
	9 p.m. snowing,	" NE	18
	Wind moderate all day; mean		
	temperature ..		24 0
	Ditto ditto for February, 1868		5 0

March

1	7 a.m. snowing,	wind W	15
12	"	" WSW	23
	6 p.m. "	" W	8
	A very rough snowy day; mean		
	temperature ..		18 0
2	7 a.m. drifting snow, w.	W	2
12	"	" WSW	5
	6 p.m. "	" WSW	2
	A very rough and cold day;		
	mean temperature ..		3 5
3	7 a.m. light snow,	wind N	6
12	fine,	" NE	16
	6 p.m. "	" ENE	10
	Wind moderate all day; mean		
	temperature ..		11 0
	Ditto ditto for the week		12 0
4	7 a.m. fine,	wind SE	2
12	dull, cloudy,	" NE	21
	7 p.m. fine,	" SE	13
	Almost calm throughout the		
	day; mean temperature ..		11 5
5	7 a.m. fine,	wind E	14
12	"	" NE	20
	6 p.m. "	" E	14
	A good breeze a.m.: moderate		
	p.m.; mean temperature ..		17 0
6	7 a.m. fine,	wind S	2
12	"	" W	24
	6 p.m. "	" S	16
	A lovely day, wind moderate;		
	mean temperature ..		13 0

METEOROLOGICAL OBSERVATIONS.

DEG.	1867.	DEG.	1868.	DEG.
March	March	March	March	March
7 7 a.m. fine, wind NW	7 7 a.m. fine, wind NW	7 7 a.m. light snow, wind SSW	7 7 a.m. light snow, wind SSW	30
12 " " " NW	12 " " " NW	12 drifting snow, " SW	12 drifting snow, " SW	31
6 p.m. " " NW	6 p.m. " " NW	6 p.m. " " SW	6 p.m. " " SW	30
A beautiful day, wind moderate;	A beautiful day, wind moderate;	Blowing a gale of wind all day;	Blowing a gale of wind all day;	
mean temperature ..	mean temperature ..	mean temperature ..	mean temperature ..	30 5
8 7 a.m. fine, wind SW	8 7 a.m. fine, wind SW	8 7 a.m. dull, cloudy, wind S	8 7 a.m. dull, cloudy, wind S	20
12 " dull, cloudy, " SW	12 " dull, cloudy, " SW	12 snowing, " SE	12 snowing, " SE	35
6 p.m. light snow, " SW	6 p.m. light snow, " SW	6 p.m. raining, " SW	6 p.m. raining, " SW	44
Wind moderate all day; mean	Wind moderate all day; mean	Almost calm a.m.: blowing a	Almost calm a.m.: blowing a	
temperature ..	temperature ..	gale p.m.; mean temperature	gale p.m.; mean temperature	32 0
9 7 a.m. snowing, wind NE	9 7 a.m. snowing, wind NE	9 7 a.m. fine, wind W	9 7 a.m. fine, wind W	31
12 " " " NE	12 " " " NE	12 " " " N	12 " " " N	30
6 p.m. fine " NE	6 p.m. fine " NE	6 p.m. " " NW	6 p.m. " " NW	26
Wind moderate all day; mean	Wind moderate all day; mean	Wind moderate all day; mean	Wind moderate all day; mean	
temperature ..	temperature ..	temperature ..	temperature ..	28 5
10 7 a.m. snowing, wind NE	10 7 a.m. snowing, wind NE	10 7 a.m. fine, wind S	10 7 a.m. fine, wind S	15
12 fine, " NE	12 fine, " NE	12 " " " SW	12 " " " SW	36
6 p.m. " " NE	6 p.m. " " NE	6 p.m. " " SW	6 p.m. " " SW	31
Wind moderate all day; mean	Wind moderate all day; mean	Moderate a.m., good breeze p.m.;	Moderate a.m., good breeze p.m.;	
temperature ..	temperature ..	mean temperature ..	mean temperature ..	25 5
Ditto ditto for the week	Ditto ditto for the week	Ditto ditto for the week	Ditto ditto for the week	22 5
11 7 a.m. fine, wind E	11 7 a.m. fine, wind E	11 7 a.m. snowing, wind NE	11 7 a.m. snowing, wind NE	13
12 " " " W	12 " " " W	12 drifting snow, " N	12 drifting snow, " N	7
6 p.m. " " NW	6 p.m. " " NW	6 p.m. " " NW	6 p.m. " " NW	4
A beautiful day, wind moderate;	A beautiful day, wind moderate;	Blowing a good breeze all day;	Blowing a good breeze all day;	
mean temperature ..	mean temperature ..	mean temperature ..	mean temperature ..	8 5
12 7 a.m. fine, wind NW	12 7 a.m. fine, wind NW	12 7 a.m. dull, cloudy, wind NW	12 7 a.m. dull, cloudy, wind NW	4
12 " " " NW	12 " " " NW	12 drifting snow, " W	12 drifting snow, " W	23
6 p.m. " " NW	6 p.m. " " NW	6 p.m. " " WSW	6 p.m. " " WSW	13
A beautiful day, wind moderate;	A beautiful day, wind moderate;	Wind moderate a.m.: good breeze	Wind moderate a.m.: good breeze	
rate; mean temperature ..	rate; mean temperature ..	p.m.; mean temperature ..	p.m.; mean temperature ..	13 5
13 7 a.m. light snow, wind SW	13 7 a.m. light snow, wind SW	13 7 a.m. light snow, wind SW	13 7 a.m. light snow, wind SW	28
12 " " " SW	12 " " " SW	12 snowing, " SW	12 snowing, " SW	36
6 p.m. " " SW	6 p.m. " " SW	6 p.m. dull, cloudy, " SW	6 p.m. dull, cloudy, " SW	33
Wind moderate all day; mean	Wind moderate all day; mean	Blowing hard a.m., moderate	Blowing hard a.m., moderate	
temperature ..	temperature ..	p.m.; mean moderate ..	p.m.; mean moderate ..	32 0
14 7 a.m. fine, wind SW	14 7 a.m. fine, wind SW	14 7 a.m. foggy, wind SW	14 7 a.m. foggy, wind SW	32
12 " " " SW	12 " " " SW	12 " " " W	12 " " " W	42
6 p.m. snowing, " SW	6 p.m. snowing, " SW	6 p.m. " " NE	6 p.m. " " NE	30
Wind moderate all day; mean	Wind moderate all day; mean	Wind moderate, but very vari-	Wind moderate, but very vari-	
temperature ..	temperature ..	able; mean temperature ..	able; mean temperature ..	36 0
15 7 a.m. fine, wind NW	15 7 a.m. fine, wind NW	15 7 a.m. fine, wind NE	15 7 a.m. fine, wind NE	8
12 drifting snow, " NW	12 drifting snow, " NW	12 " " " NE	12 " " " NE	26
6 p.m. " " NW	6 p.m. " " NW	6 p.m. " " NE	6 p.m. " " NE	20
A good breeze all day; mean	A good breeze all day; mean	A lovely day, wind moderate;	A lovely day, wind moderate;	
temperature ..	temperature ..	mean temperature ..	mean temperature ..	17 0
16 7 a.m. fine, wind NW	16 7 a.m. fine, wind NW	16 7 a.m. dull, cloudy, wind SW	16 7 a.m. dull, cloudy, wind SW	28
12 drifting snow, " NW	12 drifting snow, " NW	12 raining, " SW	12 raining, " SW	40
6 p.m. " " NW	6 p.m. " " NW	6 p.m. snow squalls, " WSW	6 p.m. snow squalls, " WSW	33
Moderate a.m.: good breeze	Moderate a.m.: good breeze	A good breeze with squalls of rain	A good breeze with squalls of rain	
p.m.; mean temperature ..	p.m.; mean temperature ..	and snow; mean temperature	and snow; mean temperature	34 0
17 7 a.m. light snow, wind NW	17 7 a.m. light snow, wind NW	17 7 a.m. light snow, wind S	17 7 a.m. light snow, wind S	32
12 fine, " NE	12 fine, " NE	12 fine, " WSW	12 fine, " WSW	39
6 p.m. " " NE	6 p.m. " " NE	6 p.m. stormy, " S	6 p.m. stormy, " S	40
Wind moderate all day; mean	Wind moderate all day; mean	Moderate a.m.: good breeze p.m.;	Moderate a.m.: good breeze p.m.;	
temperature ..	temperature ..	mean temperature ..	mean temperature ..	36 0
Ditto ditto for the week	Ditto ditto for the week	Ditto ditto for the week	Ditto ditto for the week	26 2
18 7 a.m. fine, wind SE	18 7 a.m. fine, wind SE	18 7 a.m. dull, cloudy, wind SW	18 7 a.m. dull, cloudy, wind SW	60
12 " " " SE	12 " " " SE	12 raining, " SW	12 raining, " SW	60
6 p.m. snowing, " SE	6 p.m. snowing, " SE	6 p.m. " " SW	6 p.m. " " SW	46
Wind moderate all day; mean	Wind moderate all day; mean	A very rough stormy day; mean	A very rough stormy day; mean	
temperature ..	temperature ..	temperature ..	temperature ..	48 0

1867.

March		DEG.
19	7 a.m. snowing, wind SW	26
12	" raining, " SW	38
6 p.m.	" " " SW	34
	Wind moderate all day; mean temperature ..	32 0
20	7 a.m. fine, wind NE	28
12	" " " NE	34
6 p.m.	" snowing " NE	30
	Wind moderate all day; mean temperature ..	31 0
21	7 a.m. fine, wind NE	28
12	" " " NE	38
6 p.m.	" " " E	26
	A beautiful day, wind moderate; mean temperature	32 0
22	7 a.m. fine, wind NE	6
12	" " " NE	24
6 a.m.	" " " NE	22
	A beautiful day, wind moderate; mean temperature ..	15 0
23	7 a.m. fine, wind NE	2
12	" " " NE	24
6 p.m.	" " " NE	20
	A beautiful day, wind moderate; mean temperature	13 0
24	7 a.m. fine, wind NE	20
12	" " " SW	38
6 p.m.	" " " S	32
	A beautiful day, wind moderate; mean temperature ..	29 0
	Ditto " for the week ..	25 1
25	7 a.m. fine, wind S	16
12	" " " S	38
6 p.m.	" " " NE	0
	A beautiful day, wind moderate; mean temperature ..	27 0
26	7 a.m. fine, wind SE	24
12	" " " NW	40
6 p.m.	" " " W	36
	A beautiful day, wind moderate; mean temperature ..	32 0
27	7 a.m. cloudy, wind S	40
12	" " " S	50
6 p.m.	" " " S	46
	Wind rough throughout the day; mean temperature ..	45 0
28	7 a.m. cloudy, wind S	46
12	" " " S	52
6 p.m.	" raining " S	48
	Wind boisterous all day; mean temperature ..	49 0
29	7 a.m. sleet wind W	34
12	" snowing, " W	36
6 p.m.	" fine, " W	32
	Wind moderate all day; mean temperature ..	34 0
30	7 a.m. fine, wind SW	30
12	" " " SW	32
6 p.m.	" " " SW	30
	A fine day, wind moderate; mean temperature ..	31 0

1868.

March		DEG.
19	7 a.m. dull, cloudy, wind NW	32
12	" snow-squalls " NE	26
6 p.m.	" "Glitter" " ENE	25
	Moderate a.m., good breeze p.m.; mean temperature ..	28 5
20	7 a.m. fine, wind S	16
12	" " " NE	30
6 p.m.	" " " NE	26
	A beautiful day, wind moderate; mean temperature ..	23 0
21	7 a.m. fine, wind S	20
12	" " " NE	34
6 p.m.	" dull, " E	34
	A fine day, wind moderate; mean temperature ..	27 0
22	7 a.m. dull, cloudy, wind S	37
12	" foggy, " W	42
6 p.m.	" raining, " NE	35
	Wind moderate but variable; mean temperature ..	38 5
23	7 a.m. snowing, wind NW	29
12	" " " SW	32
6 p.m.	" fine, " W	22
	Moderate a.m., good breeze p.m.; mean temperature ..	27 0
24	7 a.m. snowing wind S	22
12	" " " N	26
6 p.m.	" " " NE	22
	Almost calm a.m., good breeze p.m.; mean temperature ..	24 0
	Ditto ditto for the week	30 8
25	7 a.m. drifting snow, wind NE	15
12	" " " NE	16
6 p.m.	" " " NE	15
	A very rough snowy day; mean temperature ..	15 5
26	7 a.m. light snow, wind NE	6
12	" fine, " NW	15
6 p.m.	" " " W	10
	A good breeze a.m., moderate p.m.; mean temperature ..	10 5
27	7 a.m. fine, wind W	6
12	" " " WSW	23
6 p.m.	" " " NE	18
	Snow at 10 a.m., wind moderate; mean temperature ..	17 0
28	7 a.m. fine, wind S	6
12	" " " NW	23
6 p.m.	" snowing, " E	18
	Wind moderate, but very variable; mean temperature ..	14 5
29	7 a.m. light snow, wind E	12
12	" fine, " NE	18
6 p.m.	" " " S	12
	A good breeze a.m., moderate p.m.; mean temperature ..	15 0
30	7 a.m. fine, wind SW	8
12	" " " SW	26
6 p.m.	" " " SW	18
	A good breeze with light snow p.m.; mean temperature ..	17 0

1867.

March		DEG.
31	7 a.m. fine, wind S	30
12	" " " NW	38
6 p.m.	" " " SW	32
	Wind moderate all day; mean temperature ..	34 0
	Ditto ditto for the week ..	30 0
	Ditto ditto for March, 1867	22 0

April		DEG.
1	7 a.m. fine, wind S	30
12	" " " W	42
6	" " " NW	34
	A beautiful day, wind moderate; mean temperature ..	36 0
2	7 a.m. fine, wind S	30
12	" " " NW	44
6 p.m.	" " " S	40
	A beautiful day, wind moderate; mean temperature ..	37 0
3	7 a.m. fine, wind SE	30
12	" " " SE	48
6 p.m.	" " " SE	44
	A beautiful wind, wind moderate; mean temperature ..	39 0
4	7 a.m. fine, wind S	24
12	" " " NE	42
6 p.m.	" " " SW	36
	A beautiful day, wind moderate; mean temperature ..	33 0
5	7 a.m. fine, wind S	26
12	" " " SW	40
6 p.m.	" " " SW	36
	A fine day, wind moderate; mean temperature ..	33 0
6	7 a.m. raining, wind SW	38
12	" " " S	40
6 p.m.	" " " S	36
	Wind moderate a.m., rough p.m.; mean temperature ..	38 0
7	7 a.m. cloudy, wind W	26
12	fine, " W	32
6 p.m.	" " " SW	36
	A good breeze all day, mean temperature ..	31 0
	Ditto ditto for the week ..	35 2
8	7 a.m. light snow, wind SE	34
12	" " " SE	40
6 p.m.	" " " W	34
	Wind moderate all day; mean temperature ..	37 0
9	7 a.m. cloudy, wind S	34
12	snowing " S	34
6 p.m.	" " " NW	32
	Wind moderate a.m., rough p.m.; mean temperature ..	33 0
10	7 a.m. fine, wind N	26
12	" " " NW	34
6 p.m.	" " " NW	34
	Moderate a.m., good breeze p.m.; mean temperature ..	30 0

1868.

March		DEG.
31	7 a.m. fine, wind SW	23
12	" " " SW	40
6 p.m.	snowing, " SW	30
	Blowing a gale of wind all day; mean temperature ..	31 5
	Ditto ditto for the week ..	15 8
	Ditto ditto for March, 1868	22 4

April		DEG.
1	7 a.m. fine wind S	19
12	" " " NW	48
6 p.m.	" " " S	32
	A beautiful day, wind moderate; mean temperature ..	31 0
2	7 a.m. cloudy, wind SW	33
12	fine, " W	36
6 p.m.	" " " W	27
	A good breeze a.m., moderate p.m.; mean temperature ..	31 5
3	7 a.m. snowing, wind S	28
12	cloudy, " S	41
6 p.m.	snowing, " NNW	20
	Very rough morning and evening; mean temperature ..	30 5
4	7 a.m. fine, wind SW	16
12	" " " W	32
6 p.m.	" " " S	22
	Blowing a good breeze till evening; mean temperature ..	24 0
5	7 a.m. fine, wind S	14
12	" " " SSW	44
6 p.m.	" " " SSE	32
	Moderate a.m., good breeze p.m.; mean temperature ..	29 0
6	7 a.m. drifting snow, wind W	18
12	" " " W	22
6 p.m.	" " " W	12
	The roughest day throughout the winter; mean temperature ..	17 0
7	7 a.m. drifting snow, wind SW	18
12	snowing, " W	28
6 p.m.	" " " WSW	20
	Blowing hard all day; mean temperature ..	23 0
	Ditto ditto for the week ..	26 5
8	7 a.m. snowing, wind S	20
12	" Glitter " " S	31
6 p.m.	fine, " SW	36
	Blowing a gale of wind all day; mean temperature ..	28 0
9	7 a.m. snowing, wind SW	24
12	fine, " W	24
6 p.m.	drifting, " SW	22
	Blowing a gale of wind all day; mean temperature ..	23 0
10	7 a.m. fine, wind NW	23
12	" " " NW	33
6 p.m.	" " " SW	26
	Blowing a good breeze till evening; mean temperature ..	28 0

April	1867.	DEG.
11	7 a.m. snowing, wind S	34
12	" " " SE	44
6 p.m.	" " " SE	34
	Wind moderate all day; mean temperature ..	39 0
12	7 a.m. snowing, wind NW	22
12	drifting snow, " NW	23
6 p.m.	" " " NW	22
	Wind rough throughout the day; mean temperature ..	22 5
13	7 a.m. fine, wind SW	22
12	" " " SW	28
6 p.m.	" " " SW	22
	Wind moderate all day; mean temperature ..	25 0
14	7 a.m. snowing, wind SE	32
12	" " " SE	36
6 p.m.	" " " SE	42
	Wind moderate throughout the day; mean temperature ..	37 0
	Ditto ditto for the week ..	31 9
15	7 a.m. fine, wind SW	20
12	" " " SW	40
6 p.m.	" " " SW	40
	Moderate a.m., very rough p.m.; mean temperature ..	30 0
16	7 a.m. raining, wind SW	36
12	light snow " SW	36
6 p.m.	" " " SW	34
	Wind moderate a.m., rough p.m.; mean temperature ..	35 0
17	7 a.m. fine, wind SE	28
12	" " " SE	40
6 p.m.	" " " SE	32
	A beautiful day, wind moderate; mean temperature ..	34 0
18	7 a.m. fine, wind SE	36
12	" " " SE	44
6 p.m.	" " " SE	32
	Wind moderate a.m., rough p.m.; mean temperature ..	38 0
19	7 a.m. cloudy, wind SE	36
12	" " " NE	48
6 p.m.	" " " SE	40
	Wind rough throughout the day; mean temperature ..	42 0
20	7 a.m. fine, wind SE	30
12	" " " SE	46
6 p.m.	" " " SE	40
	A fine day, wind moderate; mean temperature ..	38 0
21	7 a.m. fine, wind NE	30
12	" " " NE	46
6 p.m.	" " " NE	40
	A beautiful day, wind moderate; mean temperature ..	38 0
	Ditto ditto for the week ..	36 4
22	7 a.m. raining, wind SW	34
12	cloudy, " SW	46
6 p.m.	" " " SW	38
	Wind rough a.m., moderate p.m.; mean temperature ..	40 0

April	1868.	DEG.
11	7 a.m. fine, wind S	18
12	" " " N	32
6 p.m.	light snow, " SSE	32
	Wind moderate all day; mean temperature ..	26 0
12	7 a.m. snowing, wind NNE	23
12	fine, " NW	34
6 p.m.	" " " S	23
	Moderate a.m., almost calm p.m.; mean temperature ..	28 5
13	7 a.m. light snow, wind S	22
12	fine, " NE	30
6 p.m.	snowing, " NNE	27
	Wind moderate, but very variable; mean temperature ..	26 0
14	7 a.m. fine, wind NW	16
12	" " " NW	32
6 p.m.	" " " W	22
	Blowing a good breeze all day; mean temperature ..	24 0
	Ditto ditto for the week ..	26 0
15	7 a.m. cloudy, wind SW	33
12	" " " SSW	44
6 p.m.	fine, " NE	22
	A good breeze a.m., moderate p.m.; mean temperature ..	33 0
16	7 a.m. dull, cloudy, wind E	20
12	" " " NE	26
6 p.m.	" " " S	34
	Moderate a.m., good breeze p.m.; mean temperature ..	27 0
17	7 a.m. rain and fog, wind SW	41
12	" " " SW	41
6 p.m.	" " " SSW	35
	A good breeze a.m., moderate p.m.; mean temperature ..	38 0
18	7 a.m. foggy, wind SW	38
12	fine, " SW	45
6 p.m.	foggy, " SW	34
	Blowing hard all day with hail p.m.; mean temperature ..	39 5
19	7 a.m. snowing, wind NW	27
12	fine, " NW	32
6 p.m.	cloudy, " NW	27
	A good breeze all day; mean temperature ..	29 5
20	7 a.m. snowing, wind NE	23
12	fine, " NW	33
6 p.m.	" " " SW	23
	Moderate a.m., good breeze p.m.; mean temperature ..	28 0
21	7 a.m. fine, wind SSW	30
12	" " " SW	40
6 p.m.	" " " Calm	34
	Wind moderate, but very variable; mean temperature ..	35 0
	Ditto ditto for the week ..	32 8
22	7 a.m. fine, wind S	30
12	" " " SW	44
6 p.m.	" " " SW	38
	Almost calm a.m., moderate p.m.; mean temperature ..	37 0

DEC.
18
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... 24 0
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SW 44
SW 38
p.m.;
... 37 0

1867.

April		DEC.
23	7 a.m. raining, wind E	40
12	" " " S	32
6 p.m.	" " " SE	42
	Wind moderate throughout the day; mean temperature ..	46 0
24	7 a.m. Ground covered with snow wind NW	32
12	" fine, " NW	35
6 p.m.	" " " NW	32
	Wind moderate throughout the day; mean temperature ..	33 5
25	7 a.m. cloudy, wind SE	32
12	" " " SE	44
6 p.m. raining,	" " " SE	40
	Moderate a.m., good breeze p.m.; mean temperature ..	38 0
26	7 a.m. raining, wind SE	34
12	cloudy, " W	42
6 p.m. snowing,	" " W	30
	Wind moderate throughout the day; mean temperature ..	36 0
27	7 a.m. fine, wind N	36
12	" " " N	46
6 p.m.	" " " N	40
	A beautiful day, wind moderate; mean temperature ..	41 0
28	7 a.m. fine, wind SE	40
12	cloudy, " S	52
6 p.m. raining,	" " S	40
	Wind rough a.m., moderate p.m.; mean temperature ..	46 0
	Ditto ditto for the week ..	40 0
29	7 a.m. Ground covered with snow wind W	30
12	light snow, " W	28
6 p.m. cloudy,	" " W	28
	Wind rough a.m., moderate p.m.; mean temperature ..	29 0
30	7 a.m. fine, wind SE	34
12	" " " SW	44
6 p.m. light snow	" " SW	40
	Wind moderate throughout the day, mean temperature ..	39 0
	Ditto ditto for April, 1867	35 8
May		
1	7 a.m. raining, wind SW	40
12	" " " SW	54
6 p.m.	" " " SW	52
	Wind moderate throughout the day; mean temperature ..	47 0
2	7 a.m. fine, wind SW	61
12	" " " SW	68
6 p.m.	" " " SW	60
	Wind moderate a.m., rough p.m.; mean temperature ..	61 0
3	7 a.m. fine, wind E	38
12	" " " NW	44
6 p.m.	" " " NW	38
	A beautiful day, wind moderate; mean temperature ..	41 0

1868.

April		DEC.
23	7 a.m. cloudy, wind WNW	28
12	snow-squalls " WNW	28
6 p.m. fine,	" WNW	22
	A good breeze with squalls of snow; mean temperature ..	25 0
24	7 a.m. snow-squalls, wind NE	19
12	" " " NW	27
6 p.m.	" " " W	19
	Blowing a good breeze all day; mean temperature ..	23 0
25	7 a.m. snow-squalls wind W	14
12	fine, " NW	23
6 p.m. snow-squalls	" " W	20
	Blowing hard all day; mean temperature ..	18 5
26	7 a.m. fine, wind W	13
12	snow-squalls " WNW	26
6 p.m. snowing,	" " W	18
	A rough, cold day, with squalls of snow; mean temperature ..	19 5
27	7 a.m. snowing, wind WSW	16
12	" " " WSW	26
6 p.m. fine,	" " N	23
	Blowing hard a.m., moderate p.m.; mean temperature ..	21 0
28	7 a.m. 2 in. light snow, wind N	14
12	foggy, " SW	39
6 p.m. fine,	" " W	23
	Snowing at times; wind moderate; mean temperature ..	26 5
	Ditto ditto for the week ..	24 3
29	7 a.m. fine, wind NE	26
12	" " " W	39
6 p.m.	" " " NW	25
	A beautiful day, wind moderate; mean temperature ..	32 5
30	7 a.m. dull, cloudy, wind W	24
12	snow-squalls " S	57
6 p.m. raining	" " S	35
	Wind moderate a.m., good breeze p.m.; mean temperature ..	40 5
	Ditto ditto for April, 1868	28 0
May		
1	7 a.m. snowing, wind SSW	32
12	cloudy, " W	27
6 p.m. fine,	" " W	27
	Blowing a gale a.m., good breeze p.m.; mean temperature ..	29 5
2	7 a.m. fine, wind W	22
12	light snow, " WNW	33
6 p.m. dull,	" " W	27
	A good breeze all day; mean temperature ..	27 5
3	7 a.m. dull, wind W	34
12	light snow, " WNW	29
6 p.m. fine,	" " W	23
	A good breeze a.m., moderate p.m.; mean temperature ..	26 0

May	1867.	Bar.
4	7 a.m. fine, wind NW	32
12	" " " NW	39
	6 p.m. snowing, " NW	32
	Wind moderate throughout the day; mean temperature ..	35.5
5	7 a.m. light snow, wind NW	30
12	fine, " NW	34
	6 p.m. " " W	40
	Wind moderate a.m., rough p.m.; mean temperature ..	35.0
	Ditto ditto for the week ..	41.5
6	7 a.m. fine, wind NW	36
12	" " " NW	44
	6 p.m. " " NW	42
	A fine day, wind moderate; mean temperature ..	40.0
7	7 a.m. raining, wind NW	38
12	cloudy, " NW	44
	6 a.m. raining, " SE	42
	Wind moderate all day; mean temperature ..	41.0
8	7 a.m. fine, wind NW	44
12	" " " NW	46
	6 p.m. " " W	44
	A fine day, wind moderate; mean temperature ..	45.0
9	7 a.m. raining, wind S	54
12	" " " S	60
	6 p.m. " " S	62
	Wind moderate a.m., rough p.m.; mean temperature ..	57.0
10	7 a.m. fine, wind S	60
12	raining, " S	52
	6 p.m. cloud " S	54
	Wind rough throughout the day; mean temperature ..	56.0
11	7 a.m. fine, wind SSE	58
12	" " " SSE	66
	6 p.m. raining, " SE	58
	A good breeze a.m., moderate p.m.; mean temperature ..	62.0
12	7 a.m. raining, wind SW	54
12	cloudy, " SW	60
	6 p.m. " " SW	56
	Wind moderate all day; mean temperature ..	57.0
	Ditto " for the week ..	51.1
13	7 a.m. cloudy, wind SW	54
12	" " " SW	58
	6 p.m. " " W	48
	Wind moderate all day; mean temperature ..	53.0
14	7 a.m. cloudy, wind WSW	46
12	fine, " W	56
	6 p.m. " " N	44
	Wind moderate all day; mean temperature ..	50.0
15	7 a.m. fine, wind NE	36
12	" " " SE	48
	6 p.m. " " SE	44
	Wind moderate a.m., rough p.m.; mean temperature ..	42.0

May	1868.	Bar.
4	7 a.m. fine, wind W	22
12	" " " WNW	36
	6 p.m. dull, cloudy, " WSW	25
	Moderate a.m., blowing hard p.m.; mean temperature ..	29.0
5	7 a.m. snowing, wind SW	31
12	dull, cloudy, " NE	41
	6 p.m. snow-squalls " NE	30
	A good breeze a.m., moderate p.m.; mean temperature ..	35.5
	Ditto ditto for the week ..	31.5
6	7 a.m. fine, wind NW	27
12	" " " N	42
	6 p.m. " " NW	37
	A lovely day and almost calm; mean temperature ..	34.5
7	7 a.m. fine, wind S	34
12	cloudy, " S	50
	6 p.m. raining, " S	40
	Moderate a.m., good breeze p.m.; mean temperature ..	42.0
8	7 a.m. raining, wind SE	38
12	fine, " S	50
	6 p.m. raining, " S	40
	Blowing a good breeze all day; mean temperature ..	44.0
9	7 a.m. dull, cloudy, wind SE	36
12	snowing, " NW	40
	6 p.m. " " NE	33
	A good breeze a.m., blowing hard p.m.; mean temperature ..	36.5
10	7 a.m. dull, wind NE	34
12	fine, " NW	43
	6 p.m. " " W	34
	A fine moderate day; mean temperature ..	39.5
11	7 a.m. fine, wind W	30
12	" " " W	38
	6 p.m. " " W	32
	Blowing a good breeze all day; mean temperature ..	34.0
12	7 a.m. fine, wind W	29
12	" " " W	39
	6 p.m. " " W	34
	Blowing a good breeze all day; mean temperature ..	34.0
	Ditto ditto for the week ..	37.6
13	7 a.m. fine, wind SW	36
12	" " " W	43
	6 p.m. " " SW	40
	Blowing a good breeze all day; mean temperature ..	39.5
14	7 a.m. fine, wind SW	42
12	" " " W	47
	6 p.m. raining, " SW	40
	Blowing hard all day; mean temperature ..	43.5
15	7 a.m. raining, wind SW	38
12	foggy, " W	47
	6 p.m. thick fog, " N	40
	Wind moderate, but very variable; mean temperature ..	42.5

METEOROLOGICAL OBSERVATIONS.

1867.

1868.

			DEG.
7 a.m.	cloudy,	wind ESE	44
12	"	" ESE	56
6 p.m.	"	" ESE	48
Wind rough throughout the day; mean temperature ..			50 0
7 a.m.	cloudy,	wind SE	46
12	"	" SE	68
6 p.m.	"	" E	46
Wind rough throughout the day; mean temperature ..			52 0
7 a.m.	fine,	wind NE	36
12	"	" NE	42
6 p.m.	"	" E	42
Wind rough throughout the day; mean temperature ..			39 0
7 a.m.	raining,	wind E	42
12	cloudy,	" E	45
6 p.m.	"	" E	44
Blowing a gale of wind all day; mean temperature ..			43 5
Ditto ditto for the week ..			47 0
7 a.m.	cloudy,	wind NE	34
12	snowing,	" NE	36
6 p.m.	"	" NE	34
Wind boisterous with squalls of snow; mean temperature ..			35 0
7 a.m.	snowing,	wind N	34
12	"	" NW	38
6 p.m.	fine,	" NW	36
Wind rough a.m., moderate p.m.; mean temperature ..			36 0
7 a.m.	fine,	wind N	40
12	"	" SW	68
6 p.m.	"	" S	60
A beautiful day, wind moderate; mean temperature ..			54 0
7 a.m.	fine,	wind NE	44
12	"	" NE	50
6 p.m.	cloudy,	" S	52
Wind moderate all day; mean temperature ..			47 0
7 a.m.	raining,	wind SSW	50
12	fine,	" SSW	56
6 p.m.	"	" SSE	50
Wind moderate all day; mean temperature ..			53 0
7 a.m.	raining	wind W	44
12	fine,	" W	56
6 p.m.	"	" W	52
Wind moderate all day; mean temperature ..			50 0
7 a.m.	cloudy,	wind W	48
12	fine,	" SSW	50
6 p.m.	"	" W	50
A fine day, wind moderate; mean temperature ..			49 0
Ditto ditto for the week ..			46 2

			DEG.
7 a.m.	thick fog,	wind NE	33
12	fine,	" W	46
6 p.m.	"	" W	35
A beautiful day, wind moderate; mean temperature ..			39 5
7 a.m.	fine,	wind NE	40
12	raining,	" NW	48
6 p.m.	rain and fog	" EW	40
Wind moderate all day; mean temperature ..			44 0
Ditto for the 5 days ..			41 8
Ditto for the 17 days ..			36 4

From the above date (May 17th) until June 10th, the weather was very cold with sharp frosts and heavy falls of snow. The drift ice was fast bound on the shore at Cow Head until May 31st; one day later than it was ever remembered to have remained by the oldest inhabitants in the neighbourhood.

1867.

1868.

May		DEG.
27	7 a.m. raining, wind S	52
12	" " " S	52
6 p.m.	" " " S	48
	Wind moderate all day; mean temperature ..	50 0
28	7 a.m. cloudy, wind W	50
12	" " " SW	52
6 p.m.	" " " N	48
	Wind moderate all day; mean temperature ..	50 0
29	7 a.m. cloudy, wind N	40
12	fine, " N	44
6 p.m.	" " " N	44
	Wind moderate all day; mean temperature ..	42 0
30	7 a.m. fine, wind N	42
12	" " " N	44
6 p.m.	" " " SW	44
	A fine day, wind moderate; mean temperature ..	43 0
31	7 a.m. fine, wind SW	42
12	" " " N	60
6 p.m.	" " " N	59
	A fine day, wind moderate; mean temperature ..	51 0
	Ditto ditto for May, 1867 ..	47 4

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June		DEG.	June		DEG.
1	7 a.m. fine, wind NW	52	7	7 a.m. fine, wind NW	44
12	" " " W	70	12	" " " SW	48
6 p.m.	" " " SW	60	6 p.m.	" " " N	44
	A lovely day, wind moderate; mean temperature ..	61 0		Wind moderate a.m., rough p.m.; mean temperature ..	46 0
2	7 a.m. fine, wind NW	50	8	7 a.m. fine, wind NE	44
12	" " " NW	54	12	" " " W	56
6 p.m.	" " " NW	52	6 p.m.	" " " W	50
	Wind moderate all day; mean temperature ..	52 0		Wind moderate all day; mean temperature ..	50 0
	Ditto ditto for the week	49 8	9	7 a.m. cloudy, wind NE	48
3	7 a.m. fine, wind SW	56	12	fine, " NE	50
12	cloudy, " SW	58	6 p.m.	" " " NE	46
6 p.m.	raining, " SW	54		Blowing a good breeze all day; mean temperature ..	48 0
	Wind rough throughout the day; mean temperature ..	56 0		Ditto ditto for the week	51 1
4	7 a.m. cloudy, wind WSW	60	10	7 a.m. fine, wind E	40
12	raining, " WSW	62	12	" " " NE	46
6 p.m.	" " " WSW	60	6 p.m.	" " " WNW	48
	Wind rough throughout the day; mean temperature ..	61 0		A fine day: wind moderate; mean temperature ..	44 0
5	7 a.m. cloudy, wind SW	50	11	7 a.m. fine, wind SW	46
12	fine, " W	52	12	" " " SW	58
6 p.m.	" " " W	48	6 p.m.	" " " SW	50
	Wind rough throughout the day; mean temperature ..	50 0		A fine day, wind moderat; mean temperature ..	52 0
6	7 a.m. fine, wind NW	44	12	7 a.m. fine, wind WSW	60
13	" " " NW	50	12	" " " W	58
6 p.m.	" " " NW	48	6 p.m.	" " " W	56
	Wind rough throughout the day; mean temperature ..	47 0		Wind rough throughout the day; mean temperature ..	55 0

1867.

June		DEG.	June		DEG.
13	7 a.m. fine,	wind SW 56	25	7 a.m. fine,	wind SW 52
12	6 p.m. cloudy,	" SW 58	12	" "	" SW 56
	Wind rough a.m.: moderate		6 p.m. "	" SE 54	
	p.m.; mean temperature ..	55 0	A fine day, wind moderate;		
14	7 a.m. raining,	wind NE 42	mean temperature ..	NW 54 0	
12	" "	" NE 44	26	7 a.m. fine,	wind NW 52
6 p.m. "	" NE 44		12	" "	" NW 52
Wind rough a.m., moderate			6 p.m. "	" NE 50	
p.m.; mean temperature ..	43 0		A lovely day, wind moderate;		
16	7 a.m. fine,	wind SW 48	mean temperature ..	51 0	
12	" "	" SW 52	27	7 a.m. fine,	wind W 47
6 p.m. raining,	" SW 50		12	" "	" SW 60
Wind rough a.m., moderate			6 p.m. "	" SW 50	
p.m.; mean temperature ..	50 0		Moderate a.m., good breeze p.m.;		
16	7 a.m. raining,	wind SW 54	mean temperature ..	53 5	
12	" "	" SW 56	28	7 a.m. fine,	wind SW 60
6 p.m. "	" SW 48		12	" "	" SW 76
Wind moderate all day; mean-			6 p.m. raining,	" S 64	
temperature ..	52 0		A good breeze throughout the		
Ditto ditto for the week	50 5		day; mean temperature ..	68 0	
17	7 a.m. fine,	wind NE 45	29	7 a.m. foggy,	wind SW 54
12	" "	" NE 50	12	fine,	" SW 66
6 p.m. "	" NW 48		6 p.m. "	" W 58	
Wind rough a.m., moderate			A good breeze throughout the		
p.m.; mean temperature ..	47 5		day; mean temperature ..	60 0	
18	7 a.m. fine,	wind WSW 50	30	7 a.m. fine,	wind W 52
12	" "	" WSW 62	12	" "	" W 70
6 p.m. "	" WSW 62		6 p.m. raining,	" W 60	
A fine day, wind moderate;			Wind moderate all day; mean		
mean temperature ..	56 0		temperature ..	61 0	
19	7 a.m. raining,	wind SW 54	Ditto ditto for the week	57 0	
12	" "	" WSW 54	Ditto ditto for June, 1867	53 2	
6 p.m. cloudy,	" SW 50				
Wind boisterous all day; mean					
temperature ..	52 0				
20	7 a.m. fine,	wind NW 50			
12	" "	" NW 60			
6 p.m. "	" NW 58				
A fine day, wind moderate;					
mean temperature ..	55 0				
21	7 a.m. fine,	wind SW 48			
12	" "	" SW 58			
6 p.m. "	" SW 56				
A fine day wind moderate;					
mean temperature ..	53 0				
22	7 a.m. raining,	wind SW 54			
12	fine,	" SW 60			
6 p.m. "	" SW 54				
Wind moderate all day; mean					
temperature ..	57 0				
23	7 a.m. fine,	wind SW 54			
12	raining,	" S 60			
6 p.m. cloudy,	" W 50				
Wind moderate all day; mean					
temperature ..	55 0				
Ditto ditto for the week	53 6				
24	7 a.m. cloudy,	wind SW 54			
12	fine,	" SW 64			
6 p.m. "	" S 50				
Wind moderate all day; mean					
temperature ..	52 0				

July.

1	7 a.m. raining,	wind S 62
12	fine,	" SW 60
6 p.m. foggy,	" SW 56	
Calm till 9 a.m., good breeze		
p.m.; mean temperature ..	59 0	
2	7 a.m. fine,	wind WSW 52
12	" "	" WSW 56
6 p.m. "	" WSW 48	
A good breeze all day snow;		
mean temperature ..	52 0	
3	7 a.m. raining,	wind WSW 50
12	fine,	" WSW 60
6 p.m. raining,	" WSW 52	
A good breeze a.m., moderate		
p.m.; mean temperature ..	55 0	
4	7 a.m. fine,	wind NW 52
12	" "	" W 62
6 p.m. "	" SW 56	
A beautiful day, wind moderate;		
mean temperature ..	57 0	
5	7 a.m. fine,	Calm 50
12	" "	wind NNE 52
6 p.m. "	" NW 52	
A beautiful day, wind moderate;		
mean temperature ..	54 0	

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July		DEG.	July		DEG.
6	7 a.m. fine, wind N	50	18	7 a.m. fine, wind NE	54
12	" " " N	56	12	" " " SW	64
6 p.m.	" " " SW	56	6 p.m.	" " " SW	56
A fine day, wind moderate; mean temperature .. 53 0			Wind moderate all day; mean temperature .. 59 0		
7	7 a.m. raining, wind S	58	19	7 a.m. cloudy, wind W	52
12	" fine, " S	64	12	" " " SW	64
6 p.m.	" " " S	60	6 p.m. fine, " SW	56	
Wind moderate all day; mean temperature .. 61 0			Wind moderate all day; mean temperature .. 58 0		
Ditto ditto for the week 53 8			20	7 a.m. fine, wind SW	58
8	7 a.m. fine, wind SW	60	12	" " " NW	63
12	" " " WNW	70	6 p.m.	" " " NE	56
6 p.m.	" " " W	58	Wind moderate all day; mean temperature .. 59 5		
Foggy at times during the day; mean temperature .. 64 0			28	7 a.m. fine, wind N	58
9	7 a.m. fine, wind N	56	12	" " " NW	70
12	" " " NW	60	6 p.m.	" " " NNE	63
6 p.m.	" " " W.	58	Almost calm all day; mean temperature .. 64 0		
A beautiful day, wind moderate; mean temperature .. 58 0			Ditto ditto for the week 61 1		
10	7 a.m. fine, wind SW	58	22	7 a.m. fine, wind SSE	57
12	" " " W	64	12	" cloudy, " SE	70
6 p.m.	" " " NW	56	9 p.m.	" " " S	58
Almost calm throughout the day; mean temperature .. 60 0			Nearly calm a.m., good breeze p.m.; mean temperature .. 63 5		
11	7 a.m. fine, wind W	56	23	7 a.m. fine, wind S	66
12	" " " N	66	12	" " " N	64
6 p.m.	" " " W	60	6 p.m.	" " " W	66
Light shifting winds all day; mean temperature .. 61 0			Wind moderate all day; mean temperature .. 65 9		
12	7 a.m. fine, wind SW	62	24	7 a.m. fine, wind W	66
12	" " " SW	70	12	" " " W	70
6 p.m. foggy, " SW	62		6 p.m.	" " " W	68
Almost calm a.m.: stormy p.m.; mean temperature .. 66 0			Good breeze throughout the day; mean temperature .. 68 0		
13	7 a.m. fine, wind NW	56	25	7 a.m. fine, wind W	66
12	" " " N	62	12	" " " W	70
6 p.m.	" " " SW	58	6 p.m.	" " " W	68
Wind moderate all day; mean temperature .. 59 0			Good breeze throughout the day; mean temperature .. 68 0		
14	7 a.m. fine, wind SW	58	26	7 a.m. fine, wind SW	72
12	" " " SW	66	12	" " " SW	76
6 p.m.	" " " SW	58	6 p.m.	" " " SSW	70
A good breeze all day; mean temperature .. 62 0			Wind moderate all day; mean temperature .. 73 0		
Ditto ditto for the week 61 4			27	7 a.m. fine, wind SW	70
15	7 a.m. fine, wind SW	62	12	" " " SW	74
12	" " " SW	72	6 p.m.	" " " SW	70
6 p.m.	" " " NE	62	Wind moderate all day; mean temperature .. 72 0		
Good breeze a.m., almost calm p.m.; mean temperature .. 67 0			28	7 a.m. fine, wind SW	66
16	7 a.m. fine, wind NE	58	12	" " " SW	68
12	" " " NE	58	6 p.m.	" " " SW	65
6 p.m.	" " " SE	58	Wind boisterous all day; mean temperature .. 66 5		
Almost calm till 8 a.m., good breeze after; mean temperature 58 0			Ditto ditto for the week 59 4		
17	7 a.m. fine, wind S	55	29	7 a.m. raining, wind SW	62
12	" " " SE	70	12	" " " SW	66
6 p.m.	" " " SE	56	6 p.m. fine, " SW	64	
Almost calm a.m.: good breeze p.m.; mean temperature .. 62 5			Wind boisterous all day; mean temperature .. 64 0		

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July			DEG.	August			DEG.
30	7 a.m. fine,	wind SW	66	10	7 a.m. fine,	wind SW	70
12	"	" W	68	12	foggy,	" SW	72
6 p.m.	"	" NW	66	6 p.m.	"	" SW	68
	Wind moderate all day; mean				Wind moderate all day; mean		
	temperature ..		67 0		temperature ..		70 0
31	7 a.m. fine,	wind SW	70	11	7 a.m. foggy,	wind SW	68
12	"	" W	76	12	"	" SW	76
6 p.m.	"	" W	72	6 p.m.	"	" SW	64
	Wind moderate all day; mean				Moderate a.m.: good breeze		
	temperature ..		73 0		p.m.; mean temperature ..		70 0
	Mean temperature for July, 1867		62 2		Ditto ditto for the week		66 0
				12	7 a.m. raining,	wind WSW	54
				12	foggy,	" WSW	58
				6 p.m.	"	" W	54
					Good breeze and stormy all day;		
					mean temperature ..		56 0
				13	7 a.m. fine,	wind SW	66
				12	"	" SW	74
				6 p.m.	"	" SW	65
					A good breeze all day; mean		
					temperature ..		69 5
				14	7 a.m. fine,	wind SW	64
				12	"	" SW	76
				6 p.m.	raining,	" SSW	64
					A good breeze till 5 p.m.;		
					mean temperature ..		70 0
				17	7 a.m. raining,	wind W	61
				12	foggy,	" SW	68
				6 p.m.	fine,	" SW	64
					Wind moderate all day; mean		
					temperature ..		64 5
				16	7 a.m. fine,	wind SW	62
				12	"	" SW	68
				6 p.m.	"	" SW	64
					Wind moderate all day; mean		
					temperature ..		65 0
				17	7 a.m. fine,	wind SW	64
				12	"	" NNW	68
				6 p.m.	foggy,	" NE	64
					Wind moderate all day; mean		
					temperature ..		66 0
				18	7 a.m. fine,	Calm	64
				12	"	wind N	74
				6 p.m.	"	" NE	64
					Almost calm throughout the		
					day; mean temperature ..		69 0
					Ditto ditto for the week		65 7
				19	7 a.m. fine,	wind SSE	60
				12	"	" N	64
				6 p.m.	"	" NE	62
					Moderate a.m., almost calm		
					p.m.; mean temperature ..		62 0
				20	7 a.m. raining,	wind E	60
				12	"	" ESE	64
				6 p.m.	"	" ESE	56
					Raining all day, very little		
					wind; mean temperature ..		60 0
				21	7 a.m. fine,	wind E	56
				12	raining,	" W	62
				6 p.m.	"	" W	56
					Wind moderate all day; mean		
					temperature ..		59 0

August.

1	7 a.m. fine,	wind SW	68
12	"	" SW	74
6 p.m.	"	" SW	72
	Wind moderate all day; mean		
	temperature ..		71 0
2	7 a.m. fine,	wind S	74
12	"	" SW	78
6 p.m.	raining,	" SW	68
	A good breeze all day; mean		
	temperature ..		73 0
3	7 a.m. fine,	wind SSW	70
12	raining,	" SW	65
6 p.m.	"	" N	55
	Wind boisterous at times; mean		
	temperature ..		62 5
4	7 a.m. fine,	wind SSE	54
12	raining,	" S	58
6 p.m.	fine,	" S	58
	Wind boisterous till 4 p.m.;		
	mean temperature ..		56 0
	Ditto ditto for the week		66 6
5	7 a.m. fine,	wind WNW	60
12	"	" SW	70
6 p.m.	"	" SW	58
	A good breeze all day; mean		
	temperature ..		64 0
6	7 a.m. fine,	wind NNW	58
12	"	" W	68
6 p.m.	"	" SW	62
	Wind moderate all day; mean		
	temperature ..		63 0
7	7 a.m. foggy,	wind NE	58
12	"	" NE	64
6 p.m.	fine,	Calm	60
	Scarcely any wind all day;		
	mean temperature ..		61 0
8	7 a.m. fine,	wind SW	58
12	"	" SW	74
6 p.m.	"	" SW	64
	A good breeze throughout the		
	day; mean temperature ..		66 0
9	7 a.m. fine,	wind WSW	60
12	"	" WSW	76
6 p.m.	"	" WSW	68
	A beautiful day, wind moderate;		
	mean temperature ..		68 0

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August		DEG.	September		DEG.
22 7 a.m. fine;	wind WNW	56	2 7 a.m. raining,	wind E	54
12 " "	" WNW	60	12 " "	" NE	56
6 p.m. " "	" WNW	55	6 p.m. " "	" NE	60
A good breeze all day; mean temperature ..		57 0	A good breeze and stormy all day; mean temperature ..		53 0
23 7 a.m. fine,	wind NW	55	3 7 a.m. fine,	wind W	52
12 " "	" W	66	12 " "	" W	56
6 p.m. " "	" W	60	6 p.m. " "	" WSW	58
Wind moderate all day; mean temperature ..		60 5	Wind moderate all day; mean temperature ..		69 0
24 7 a.m. fine,	wind W	60	4 7 a.m. fine,	wind S	54
12 " dull, cloudy,	" W	68	12 " "	" WNW	66
6 p.m. raining,	" NE	60	6 p.m. cloudy,	" SW	60
Wind moderate, and stormy, mean temperature ..		64 0	Wind moderate all day; mean temperature ..		60 0
25 7 a.m. fog and rain, wind SSW		64	5 7 a.m. cloudy,	wind W	61
12 " foggy,	" W	68	12 " fine,	" W	66
6 p.m. " "	" EW	58	6 p.m. " "	" W	58
Wind moderate all day; mean temperature ..		63 0	Moderate a.m., good breeze p.m.; mean temperature ..		62 0
Ditto ditto for the week ..		60 7	6 7 a.m. fine,	wind W	60
26 7 a.m. fine,	wind NW	52	12 " "	" W	70
12 " "	" W	58	6 p.m. " "	" W	62
6 p.m. " "	" W	52	Wind moderate all day; mean temperature ..		65 0
A good breeze all day; mean temperature ..		55 0	7 7 a.m. fine,	wind W	61
27 7 a.m. fine,	wind SW	60	12 " "	" W	73
12 " squally,	" SW	64	6 p.m. dull, cloudy,	" SW	60
6 p.m. fine,	" SW	60	Wind moderate all day; mean temperature ..		66 5
Wind rough all day with squalls of rain; mean temperature ..		62 0	8 7 a.m. fine,	wind N	53
28 7 a.m. fine,	wind SW	64	12 " "	" N	58
12 " "	" SW	68	6 p.m. " "	" NE	62
6 p.m. " "	" SW	64	Wind moderate all day; mean temperature ..		55 0
A good breeze all day; mean temperature ..		66 0	Ditto ditto for the week ..		62 9
29 7 a.m. fine,	wind SW	66	9 7 a.m. fine,	wind W	54
12 " "	" SW	74	12 " "	" WNW	64
6 p.m. " "	" SW	66	6 p.m. " "	" WNW	56
A good breeze all day; mean temperature ..		70 0	Wind moderate all day; mean temperature ..		59 0
30 7 a.m. fine,	wind SW	70	10 7 a.m. dull, cloudy,	wind SW	58
12 " "	" SW	78	12 " "	" SW	69
6 p.m. " "	" SE	70	6 p.m. " "	" SW	64
Wind moderate all day; mean temperature ..		74 0	A good breeze all day; mean temperature ..		63 5
31 7 a.m. raining,	wind W	58	11 7 a.m. dull, cloudy,	wind NE	52
12 " fine,	" NW	60	12 " "	" NE	54
6 p.m. " "	" NW	56	6 p.m. " "	" NE	52
A good breeze all day; mean temperature ..		58 0	A good breeze and stormy all day; mean temperature ..		53 0
Meantemperature for Aug, 1867		64 3	12 7 a.m. fine,	wind SSW	51
			12 " "	" SW	64
			6 p.m. " "	" SW	55
			Wind moderate all day; mean temperature ..		57 5
			13 7 a.m., rain and fog,	wind W	56
			12 " foggy,	" W	63
			6 p.m. " "	" W	56
			A good breeze a.m., moderate p.m.; mean temperature ..		59 5

September.

1 7 a.m. fine,	wind SW	58
12 " "	" SW	70
6 p.m. " "	" SW	60
A good breeze all day; mean temperature ..		64 0
Ditto ditto for the week		64 1

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September	DEG.
14 7 a.m. rain and fog, wind NW	50
12 fine, " NW	52
6 p.m. raining, " NW	50
A good breeze and stormy all day; mean temperature ..	51 0
15 7 a.m. fine, wind NW	50
12 " " WNW	53
6 p.m. " " W	48
A good breeze all day; mean temperature ..	50 5
Ditto ditto for the week	56 1
16 7 a.m. fine, wind W	50
12 " " W	56
6 p.m. " " S	48
A fine day with light shifting winds; mean temperature ..	52 0
17 7 a.m. fine, wind S	52
12 " " NE	54
6 p.m. " " S	48
A beautiful day, wind moderate; mean temperature ..	51 0
18 7 a.m. fine, wind SW	56
12 raining, " SW	58
6 p.m. " " SW	52
Wind boisterous all day; mean temperature ..	55 0
19 7 a.m. fine, wind N	52
12 " " N	54
6 p.m. " " NW	50
A good breeze all day; mean temperature ..	52 0
20 7 a.m. fine, wind S	46
12 " " SW	58
6 p.m. " " SW	54
A good breeze all day; mean temperature ..	52 0
21 7 a.m. rain & fog, wind W	53
12 fine, " WNW	58
6 p.m. " " Calm	55
Wind boisterous a.m. ..	55 5
22 7 a.m. fine, wind S	48
12 " " SW	58
6 p.m. " " SW	54
A beautiful day, wind moderate; mean temperature ..	53 0
Ditto ditto for the week ..	52 9
23 7 a.m. raining, wind S	50
12 " " NE	50
6 p.m. fine, " NE	45
Wind moderate a.m., rough p.m.; mean temperature ..	47 5
24 7 a.m. fine, wind NW	40
12 " " NW	48
6 p.m. " " WNW	40
Wind boisterous all day; mean temperature ..	44 0
25 7 a.m. raining, wind W	50
12 fine, " W	58
6 p.m. " " W	54
Wind boisterous all day; mean temperature ..	54 0

September	DEG.
26 7 a.m. raining, wind NE	54
12 foggy, " NE	55
6 p.m. " " NE	53
Almost calm a.m., moderate p.m.; mean temperature ..	54 0
27 7 a.m. fine, wind NE	52
12 foggy, " NE	52
6 p.m. raining, " NE	50
A good breeze with rain p.m.; mean temperature ..	51 0
28 7 a.m. fine, wind W	50
12 " " W	56
6 p.m. " " W	54
A beautiful day, wind moderate; mean temperature ..	53 0
29 7 a.m. fine, wind SW	55
12 " " SW	58
6 p.m. " " SW	56
A beautiful day, wind moderate; mean temperature ..	56 5
Ditto ditto for the week	51 3
30 7 a.m. raining, wind NE	48
12 " " NE	50
6 p.m. " " SE	50
A good breeze all day; mean temperature ..	49 0
Mean temperature for September, 1867 ..	55 2

October.

1 7 a.m. fine, wind S	60
12 " " S	68
6 p.m. " " SSE	62
A beautiful day, wind moderate; mean temperature ..	64 0
2 7 a.m. fine, wind S	52
12 " " SSE	62
6 p.m. " " NE	64
A beautiful day, wind moderate; mean temperature ..	57 0
3 7 a.m. raining, wind WNW	50
12 cloudy, " W	52
6 p.m. stormy, " W	52
Wind moderate a.m., good breeze p.m.; mean temperature ..	51 0
4 7 a.m. stormy, wind W	46
12 fine, " WNW	44
6 p.m. stormy, " NW	40
Wind boisterous all day; mean temperature ..	43 0
5 7 a.m. fine, wind S	40
12 " " NW	58
6 p.m. " " NE	42
A lovely day, light shifting winds; mean temperature ..	49 0
6 7 a.m. stormy, wind SE	42
12 cloudy, " SSE	56
6 p.m. " " S	56
A good breeze all day; mean temperature ..	49 0
Ditto ditto for the week	51 7

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October		DEG.	October		DEG.
7	7 a.m. raining, wind SW	46	19	7 a.m. foggy, wind WNW	44
12	rain and fog, " W	43	12	misty rain, " WNW	44
6 p.m.	" " NW	42	6 p.m.	" " WNW	42
	Wind moderate all day; mean temperature ..	44 0		Wind moderate all day; mean temperature ..	43 0
8	7 a.m. stormy, wind NE	40	20	7 a.m. fine, wind NNW	34
12	cloudy, " NE	42	12	" " NNW	40
6 p.m.	rain and snow, " NE	38	6 p.m.	" " NNW	36
	Wind rough throughout the day; mean temperature ..	40 0		A good breeze all day; mean temperature ..	37 0
9	7 a.m. fine, wind N	34		Ditto ditto for the week	41 9
12	aleet, " N	36	21	7 a.m. dull, cloudy, wind W	40
6 p.m.	snow-squalls " NW	32	12	" " SW	44
	Blowing a gale of wind all day; mean temperature ..	34 0	6 p.m.	stormy " SW	42
10	7 a.m. fine, wind NW	36		A good breeze all day; mean temperature ..	42 0
12	" " NW	40	22	7 a.m. misty rain, wind SSW	50
6 p.m.	stormy, " NW	40	12	" " SW	54
	Wind rough a.m., good breeze p.m.; mean temperature ..	38 0	9 p.m.	" " SW	50
11	7 a.m. fine, wind N	40		A good breeze all day; mean temperature ..	52 0
12	" " NE	42	23	7 a.m. raining, wind SW	50
6 p.m.	" " NE	40	12	" " W	48
	A beautiful day, wind moderate; mean temperature ..	41 0	6 p.m.	" " N	38
12	7 a.m. fine, wind SE	33		A good breeze a.m., moderate p.m.; mean temperature ..	44 0
12	" " SE	50	24	7 a.m. fine, wind N	32
6 p.m.	" " SE	42	12	" " NW	34
	A beautiful day, wind moderate; mean temperature ..	41 5	6 p.m.	" " N	32
13	7 a.m. raining, wind S	42		A good breeze a.m., moderate p.m.; mean temperature ..	33 0
12	stormy " S	48	25	7 a.m. fine, wind E	30
6 p.m.	" " S	46	12	" " NE	34
	A good breeze all day; mean temperature ..	45 0	6 p.m.	" " NE	32
	Ditto ditto for the week	40 5		A beautiful day, wind moderate; mean temperature ..	32 0
14	7 a.m. dull, cloudy, w. WNW	40	26	7 a.m. fine, wind E	28
12	" " NW	42	12	" " NE	34
6 p.m.	raining, " NE	38	6 p.m.	cloudy, " NE	33
	Wind moderate all day; mean temperature ..	40 0		Moderate a.m. good breeze p.m.; mean temperature ..	31 0
15	7 a.m. dull, cloudy, wind NE	38	27	7 a.m. snowing, wind NE	36
12	" " N	41	12	rain and snow " N	36
6 p.m.	" " NW	40	6 p.m.	cloudy, " N	36
	Moderate a.m., almost calm p.m.; mean temperature ..	39 5		A good breeze all day; mean temperature ..	36 0
16	7 a.m. fine, wind S	32		Ditto ditto for the week	35 7
12	" " W	48	28	7 a.m. cloudy, wind W	38
6 p.m.	" " SW	38	12	" " W	40
	A lovely day and almost calm; mean temperature ..	40 0	6 p.m.	" " W	38
17	7 a.m. fine, wind S	44		Moderate a.m., good breeze p.m.; mean temperature ..	39 0
12	dull, cloudy, " SW	48	29	7 a.m. fine, wind S	42
6 p.m.	stormy, " SW	46	12	" " N	46
	A good breeze all day; mean temperature ..	46 0	6 p.m.	" " NE	40
18	7 a.m. dull, cloudy, wind N	50		A very moderate and beautiful day; mean temperature ..	43 0
12	raining, " SW	52	30	7 a.m. fine, wind SE	32
6 p.m.	" " WSW	44	12	cloudy, " S	46
	A good breeze all day; mean temperature ..	48 0	6 p.m.	" " S	38
				Wind moderate all day; mean temperature ..	39 0

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October		DEG.
31	7 a.m. fine, wind S	42
12	stormy, " S	50
6 p.m.	raining, " S	38
Moderate a.m., good breeze p.m.; mean temperature ..		44 0
Ditto ditto for October, 1867		42 7

November.

1	7 a.m. fine, wind N	40
12	stormy, " N	44
6 p.m.	" " N	36
A good breeze all day; mean temperature ..		40 0
2	7 a.m. fine, wind NE	34
12	" " NE	37
6 p.m.	foggy, " E	35
Wind moderate all day; mean temperature ..		35 5
3	7 a.m. misty rain, wind N	36
12	foggy, " NW	38
6 p.m.	" " NW	36
Wind boisterous all day; mean temperature ..		36 5
Ditto ditto for the week ..		39 5
4	7 a.m. fine, wind W	34
12	sleet, " S	40
6 p.m.	raining, " S	42
Moderate a.m., boisterous p.m.; mean temperature ..		38 0
5	7 a.m. fine, wind WNW	34
12	" " WNW	36
6 p.m.	" " NW	34
A good breeze all day; mean temperature ..		35 0
6	7 a.m. fine, wind S	26
12	" " S	38
6 p.m.	" " S	30
Wind moderate all day; mean temperature ..		32 0
7	7 a.m. snowing, wind E	30
12	fine, " E	35
6 p.m.	" " E	30
Wind moderate all day; mean temperature ..		32 5
8	7 a.m. fine, wind NE	30
12	" " N	32
6 p.m.	" " NW	30
A beautiful day, wind moderate; mean temperature ..		31 0
9	7 a.m. snowing, wind NW	28
12	" " NW	34
6 p.m.	" " SW	36
Wind moderate all day; mean temperature ..		32 0
10	7 a.m. cloudy, wind SSW	40
12	misty rain, " SW	46
6 p.m.	foggy, " SW	44
Wind moderate all day; mean temperature ..		43 0
Ditto ditto for the week		34 7

November		DEG.
11	7 a.m. foggy, wind N	44
12	raining, " NE	40
6 p.m.	fine, " NW	40
Almost calm a.m. and p.m., good breeze midday; mean temperature ..		42 0
12	7 a.m. dull, cloudy, wind SW	40
12	foggy, " N	43
6 p.m.	raining, " E	40
Almost calm throughout the day; mean temperature ..		41 5
13	7 a.m. dull, cloudy, wind SSW	56
12	fine, " S	62
6 p.m.	squally, " S	58
A good breeze all day, but very warm; mean temperature ..		59 0
14	7 a.m. raining, wind SW	42
12	stormy, " SW	43
6 p.m.	" " W	38
Nearly calm a.m., good breeze p.m.; mean temperature ..		40 5
15	7 a.m. cloudy, wind NW	32
12	snowing, " NE	30
6 p.m.	dull, cloudy, " W	28
Wind moderate but very variable; mean temperature ..		30 0
16	7 a.m. fine, wind NW	20
12	" " NW	26
6 p.m.	" " NW	20
A fine day, wind moderate; mean temperature ..		23 0
17	7 a.m. snowing & drifting w. SSE	26
12	snow and rain, " SSE	33
6 p.m.	misty rain, " S	38
A gale of wind a.m., good breeze p.m.; mean temperature ..		32 0
Ditto ditto for the week		38 2
18	7 a.m. snowing, wind W	34
12	snowing & drifting, " SW	35
6 p.m.	fine, " SSW	26
A good breeze all day; mean temperature ..		30 5
19	7 a.m. fine, wind NW	22
12	" " NW	24
6 p.m.	snowing, " W	22
A good breeze all day; mean temperature ..		23 0
20	7 a.m. fine, wind N	22
12	snow-squalls, " NW	33
6 p.m.	" " W	22
Wind moderate a.m., good breeze p.m.; mean temperature ..		22 5
21	7 a.m. snowing, wind SE	20
12	" " SE	27
6 p.m.	fine, " NW	22
Nearly calm a.m., good breeze p.m.; mean temperature ..		23 5
22	7 a.m. fine, wind N	20
12	" " N	22
6 p.m.	" " N	20
Wind moderate all day; mean temperature ..		21 0

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November		DEG.
23	7 a.m. fine, wind SE	18
12	" " " SE	29
	6 p.m. snowing, " SE	24
	Almost calm throughout the day; mean temperature ..	23 5
24	7 a.m. dull, cloudy, Calm	28
12	" " " "	34
	6 p.m. " " " "	32
	A nice day for the time of year; mean temperature ..	31 0
	Ditto ditto for the week ..	25 0
25	7 a.m. dull, cloudy, wind SE	32
12	" " " " S	35
	6 p.m. " " " SW	34
	Wind moderate all day; mean temperature ..	33 5
26	7 a.m. dull, cloudy, wind SW	34
12	" " " " SW	38
	6 a.m. misty rain, " SW	38
	Wind moderate all day; mean temperature ..	36 0
27	7 a.m. misty rain, wind SW	42
12	" " " " SW	42
	6 p.m. " snowing, " NW	36
	A good breeze all day; mean temperature ..	39 0
28	7 a.m. fine, wind SE	28
12	" " " " S	34
	6 p.m. " " " S	30
	Wind moderate all day; mean temperature ..	31 0
29	7 a.m. fine, wind S	28
12	" " " " NE	34
	6 p.m. " " " S	28
	A lovely day, and almost calm; mean temperature ..	31 0
30	7 a.m. dull, cloudy, wind S	29
12	" rain-squalls, " S	35
	6 p.m. squally, " S	42
	Blowing a gale of wind all day; mean temperature ..	32 0
	Ditto for November, 1867	

December.

1	7 a.m. snowing, wind W	30
12	" snow-squalls, " WNW	28
	6 p.m. raining, " WNW	18
	A gale of wind and very heavy sea; mean temperature ..	23 0
	Ditto " for the week ..	32 2
2	7 a.m. light snow, wind NW	18
12	" " " " NW	22
	6 p.m. " " " E	22
	Wind moderate all day; mean temperature ..	20 0
3	7 a.m. fine, wind SW	22
12	" " " " S	28
	6 p.m. " cloudy, " S	25
	Wind moderate all day, mean temperature ..	25 0

December.		DEG.
4	7 a.m. Fall of snow, w. NW	30
12	" snow-squalls, " WNW	28
	6 p.m. " " " SW	25
	Blowing a good breeze all day; mean temperature ..	27 5
5	7 a.m. drifting snow, w. NW	14
12	" snow-squalls, " WNW	15
	6 p.m. " " " WNW	14
	A good breeze and very heavy sea; mean temperature ..	14 5
6	7 a.m. light snow, wind NE	12
12	" " " " N	10
	6 p.m. " " " NW	10
	Wind moderate a.m., good breeze p.m.; mean temperature ..	11 0
7	7 a.m. snowing, wind SE	11
12	" snowing & drifting " S	22
	6 p.m. light snow, " S	32
	A good breeze and squally all day; mean temperature ..	21 5
8	7 a.m. snowing, wind W	24
12	" " " " W	22
	6 p.m. " " " W	22
	A good breeze and squally all day; mean temperature ..	23 0
	Ditto ditto for the week ..	20 3
9	7 a.m. snowing, wind SW	13
12	" fine, " SW	20
	6 p.m. " " " SW	14
	A good breeze all day; mean temperature ..	16 5
10	7 a.m. snowing, wind S	12
12	" " " " W	18
	6 p.m. " " " NW	14
	A very rough snowy day; mean temperature ..	15 0
11	7 a.m. fine, wind SE	6
12	" " " " S	18
	6 p.m. " " " SE	14
	A beautiful, moderate day; mean temperature ..	12 0
12	7 a.m. snowing, wind W	16
12	" " " " W	20
	6 p.m. " " " NW	18
	A very rough snowy day; mean temperature ..	18 0
13	7 a.m. light snow, wind N	15
12	" " " " E	16
	6 p.m. " " " SE	12
	Wind moderate all day; mean temperature ..	14 0
14	7 a.m. fine, wind E	Zero.
12	" " " " NE	9
	6 p.m. " " " E	4
	A beautiful day, wind moderate; mean temperature ..	4 5
15	7 a.m. fine, wind NW	12
12	" " " " W	22
	6 p.m. " " " W	20
	A lovely day for the time of year; mean temperature ..	17 0
	Ditto ditto for the week	13 8

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December.		DEG.
16	7 a.m. dull, cloudy, wind SE	25
12	snowing, " E	25
6 p.m.	" " SE	26
Almost calm a.m., very rough p.m.; mean temperature ..		25 5
17	7 a.m. dull and calm	28
12	foggy, wind N	33
6 p.m.	snowing, " NW	30
Wind moderate all day; mean temperature ..		30 5
18	7 a.m. snowing, wind N	28
12	" " NW	30
6 p.m.	" " NW	28
Wind moderate all day; mean temperature ..		29 0
19	7 a.m. snowing, wind N	20
12	" " N	13
6 p.m.	" " NW	8
Wind moderate all day; mean temperature ..		14 0
20	7 a.m. snowing, wind NW	4
12	" " NW	8
6 p.m.	" " NW	6
Wind moderate a.m., good breeze p.m.; mean temperature ..		6 0
21	7 a.m. fine and calm	8
12	" " wind E	16
6 p.m.	light snow, " E	12
A beautiful day and almost calm; mean temperature ..		12 0
22	7 a.m. dull, cloudy, wind N	10
12	light snow, " N	8
6 p.m.	" " NW	7
Wind moderate all day; mean temperature ..		8 5
Ditto ditto for the week		17 9
23	7 a.m. snow & drifting, w. SE	14
12	light snow, " S	24
6 p.m.	" " SW	30
Very rough a.m., good breeze p.m.; mean temperature ..		22 0

December.		DEG.
24	7 a.m. snowing, wind NE	23
12	" " NW	22
6 p.m.	" " W	18
A good breeze a.m., moderate p.m.; mean temperature ..		20 5
25	7 a.m. snowing, wind SW	24
12	" " NE	14
6 p.m.	" " NE	8
Moderate a.m., very rough p.m.; mean temperature ..		16 0
26	7 a.m. fine, wind SE	6
12	snowing, " S	12
6 p.m.	" " S	20
Nearly calm a.m., very rough p.m.; mean temperature ..		12 5
27	7 a.m. fine, wind NW	14
12	light snow, " NW	12
6 p.m.	fine, " NW	10
A good breeze all day; mean temperature ..		12 0
28	7 a.m. raining, wind SW	38
12	fine, " W	34
6 p.m.	snowing, " W	28
A good breeze all day; mean temperature ..		33 0
29	7 a.m. fine, wind WNW	12
12	snowing, " NW	10
6 p.m.	snow-squalls, " NW	8
A good breeze all day; mean temperature ..		10 0
Ditto ditto for the week		18 0
30	7 a.m. vapoury, wind WNW	Zero.
12	light snow, " NW	1
6 p.m.	" " NW	Zero.
A good breeze all day; mean temperature ..		0 5
31	7 a.m. snowing, wind NW	-9
12	vapoury, " NW	-5
6 p.m.	light snow, " NW	-4
A good breeze all day; mean temperature ..		-6 5
Ditto ditto for the two days		-3 0
Ditto for December, 1867