

**HUDSON'S BAY REGION.**

WHERE THE CLIMATE IS WARMER AS ONE TRAVELS NORTHWARD.

The Question of Altitude—The Chinook Winds—How Latitudinal Distances Diminish—Snowfall on the Low Tablelands—Abundant Game and Grass.

A very important fact must be noticed in traveling from Hudson's bay to the Rockies. One starts on land about fifty feet above the sea level, and, gradually rising, reaches an altitude of only 800 feet at the base of the mountains. This is following the 60th parallel, or within fifty miles north or south of it. Starting on the 49th parallel, in the same longitude, say in the neighborhood of the Lake of the Woods, the height above the sea is over 1,000 feet, and at the base of the mountains in that latitude it is over 6,000 feet, or more than 5,000 feet higher than it is in a relative position as to the mountains 600 or 700 miles north of it.

It is generally but erroneously supposed that one traveling from the 48th parallel of latitude northward, say on the 100th or 110th meridians of longitude, would find the climate colder each fifty or 100 miles, while the facts are he will find it warmer as he proceeds northward, and this rule will hold good for 500 miles on the 100th meridian, and for 1,000 miles on the 110th meridian, taking the 48th parallel north as a starting point. The writer has proven this proposition from actual observation, and it may easily be established from a statement of the simplest rules of natural science. As a general principle, in the north temperate zone, as well as in the sub-arctic regions, the further north one proceeds the colder he will find the atmosphere, but this rule will apply only when the traveler is going from a lower to a higher altitude above the sea. In the regions just mentioned—and let it be understood the rule applies until the 60th parallel is reached—altitude has more to do with the climate, so far as heat and cold are concerned—and, in fact, as far as all meteorological phenomena go—than latitude.

The writer has been upon the delta shores of Lake Athabaska, which are only seven hundred feet above the sea, and almost at the foot of the Rockies, where snow will scarcely remain on the ground for twenty-four hours at a stretch during a whole winter. This is more than 800 miles north of the north boundary of Dakota or Montana, where the mercury often goes down to 40 degrees below zero (Fahrenheit), and where the winters are long and severe. At the former places the mercury rarely touches zero, and in the grand stretch of park country on every hand, and for 300 miles to the northwest, the cattle belonging to the Hudson Bay posts in that section have ranged at will through more than fifty winters without the need of stable or cut hay. The latter, cured upon the stalk, is plentiful, and as rich fodder in midwinter as the excellent grass is in summer. Aside from the question of altitude, the country last in question is favorably affected by the Chinook winds, which find their way from the Pacific through the mountain passes. This is why the thermal lines extend further northward on the 110th meridian and west of it than on the 100th, as before indicated.

**NORTH OF THE HEIGHT OF LAND.**  
Important questions of mathematical geography present themselves to one on the western shore of Hudson's bay. Longitudinally he is nearly in the center of the continent; a little nearer to Liverpool or Queenstown than the cities of New York or Quebec; within 150 miles as near to San Francisco as the city of Chicago; within 1,500 miles of the Pacific ocean; within 800 miles of the northeastern border, and 600 miles of the center of the great fertile prairie country north of the height of land; in short, a harbor on the western coast of the bay, provided the latter and the strait are navigable for a sufficient period, would command the traffic of half the continent.

It is curious to notice to what extent latitudinal distances diminish between any two meridians as one travels northward. The width of the continent on the sixtieth parallel—apparently its greatest width on most maps—is nearly 600 miles narrower than it is 1,300 miles farther to the south. On the sixtieth parallel it is scarcely 2,500 miles in breadth. Over 1,000 miles of this distance may be traversed in a steamship, through Hudson strait and across Hudson's bay; the remainder of the distance, about 1,500 miles, is across a low level country, ranging in altitude from fifty feet at the start to 800 feet at the base of the Rockies above the sea. The mountain passes by way of the Pine river, a series of summit lakes, and the Skeena, will at no point reach more than 2,500 feet above sea level. The average snowfall throughout the low tablelands does not exceed ten inches, and that through the mountain passes, mentioned not more than three feet. The temperature of the atmosphere in the coldest months of winter along the line in question is higher by at least 20 degrees than it is along the 48th parallel except on the shores of Hudson's bay and for about 100 miles inland. From the latter point to the Atlantic it is much lower, frequently running down to 40 and 50 degrees below zero. The statements are in accordance with meteorological records kept by Hudson's Bay company posts, which extend from the Atlantic to the Pacific along the sixtieth parallel, and for many miles to the north of it.

For the first 300 miles westward from the bay, the traveler will meet with thousands of reindeer, and thousands of "barren ground" Indians, a branch of the Cree family, between whom and the Esquimaux, who inhabit the country to the north of them, there has always been the bitterest hostility. After that one meets with the Cree proper, and travels through a delta or silt country, composed of natural parks, embracing vast areas of the best grazing lands to be found anywhere. They are frequent.—Cor. Chicago Times.

**Eagles Breeding in Captivity.**  
The female of a pair of eagles which have been in captivity in Toledo, Ohio, for six years, laid an egg on the 18th of March and another the day following. Then she began sitting on the eggs, and never left the nest until recently, when a pair of eaglets were found to have been hatched. They were strong and apparently healthy. Eagles rarely breed in captivity.—Exchange.

**Copperas in French Canned Peas.**  
The health board of Brooklyn has found traces of copperas in the green peas imported from France to this country.

A Scotch medical professor lately declared that out of over one hundred medical graduates not ten meant to "set up" in Scotland.

At Judsonia, Ark., many horses and cattle have choked to death by inhaling buffalo gnats.

**General Advertisements.**

**THRUM'S BINDERY.**

THIS POPULAR BINDERY, located at 106 Fort Street, ADVERTISES NO SPECIALTIES, but is able to do ALL SORTS, sizes, and conditions of Book-binding, Kulling, Perforating, Numbering, Lettering, and Paper-cutting as well as in San Francisco, and at moderate prices.

AT THIS COMPLETE BINDERY newspapers, magazines, pamphlets, and sheet music are neatly and simply or elegantly and sumptuously bound, as taste and pocket may demand. Old books are carefully and firmly rebound.

ALL DESCRIPTIONS OF BLANK BOOKS are made to order at as low rates as are consistent with first-class work. The Bindery is now using Weston's "Record" and "Brunswick Linen" paper for all first-class work.

ORDERS LEFT AT T. G. THRUM'S FORT STREET STORE WILL HAVE PROMPT ATTENTION.

**NEW ENGLAND MUTUAL LIFE Insurance Company of Boston, Mass.**

INCORPORATED 1853.  
Issues January 1st, 1884, nearly \$17,000,000.  
Offices issued on the most favorable terms, and absolutely Non-Forfeitable after Two Payments.

EXAMPLE OF NON-FORFEITURE PLAN:  
Insured age 35 years—20 years Endowment Plan for \$5,000.  
Annual Premium \$249.50

At the end of the year	Cash-Surv. Vt.	Divid. Inc.
1st	\$ 250.00	\$ 545
2d	450.00	840
3d	650.00	1,130
4th	850.00	1,415
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6th	1,250.00	1,970
7th	1,450.00	2,245
8th	1,650.00	2,500
9th	1,850.00	2,755
10th	2,050.00	3,005
11th	2,250.00	3,250
12th	2,450.00	3,495
13th	2,650.00	3,740
14th	2,850.00	3,985
15th	3,050.00	4,230
16th	3,250.00	4,475
17th	3,450.00	4,720
18th	3,650.00	4,965
19th	3,850.00	5,210
20th	4,050.00	5,455
21st	4,250.00	5,700
22nd	4,450.00	5,945
23rd	4,650.00	6,190
24th	4,850.00	6,435
25th	5,050.00	6,680
26th	5,250.00	6,925
27th	5,450.00	7,170
28th	5,650.00	7,415
29th	5,850.00	7,660
30th	6,050.00	7,905

\*The second and subsequent premiums are likely to be reduced by increasing annual distributions of surplus.  
†Applications can be had of; and full information will be given by the Agents.  
CASTLE & COOK.

**WRITING PAPER, WRITING PAPER**

Now in stock, with additional Eastern invoices en route. A fine variety of the

**CONNECTICUT VALLEY MILLS**

First Quality  
Cap, Legal Letter, Note and B Paper.  
Assorted weights. Also Marcus Ward's Irish Linen Flat Folio and Note paper, plain, or can be ruled up to suit any user.

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No. 106 Fort St.

**C. K. MILLER.**

GENERAL BUSINESS AGENT.  
42 MERCHANT ST., HONOLULU

In conjunction with Mr. J. A. Magoon, will attend to all matters of business for the residents of the Hawaiian Islands who may need an Agent.

I do not confine myself alone to the Business Houses, but also to the domestic class who would wish me to attend to any matter of business, especially to making purchases either in Honolulu or San Francisco, in any line of General Merchandise.

To the Business Houses I will give my careful attention in all matters pertaining to General Business, viz: Adjusting and Collecting Accounts, Distribution of Bills and Circulars, Custom House Entries, Buying and Renting Real Estate and Personal Property.

All Legal Documents will be carefully and neatly drawn up by Mr. J. A. Magoon.

I will attend to all matters entrusted in my care in a careful, courteous and neat manner, and with quick dispatch.

Agent for Klinkner & Co. Red Rubber Stamps.  
Telephone — P. O. Box 113.

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No. 102 FORT STREET.  
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WORK FINISHED IN  
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India Ink or Oil  
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The only complete collection of  
Island Views.  
Feens, Shells  
Curiosities, &c.  
Charges Moderate.

**General Advertisements.**

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109 and 111 King St., between Fort and Alakan.  
Has received per late arrivals a full assortment of  
STAPLE AND FANCY GROCERIES.

Consisting in part of  
Family Flour, Germea, Oat Meal, Corn Meal, Cracked Wheat, Breakfast Gem, Dupee Ham and Bacon, Codfish, Lard, Smoked Beef, New Cheese, Kegs Cal. Butter, Dates, Raisins, Mustard Sauce, Sea Foam Wafers, Saloon and Medium Bread, Apples, Humboldt Potatoes, Wheat, Corn, Bran. Also a full line of Cal. Cracker Co.'s Crackers and Cakes. All of which are offered at lowest rates. All orders receive careful attention and prompt delivery.  
Bell Telephone No. 119. P. O. Box No. 379.

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New invoices of English and American goods, Howe's Scales. The latest novelties in Lamp Goods, Kerosene Oil of the Best Quality. A new Fire-Proof Paint. Harden's Grand Grenades, Paints, Oils, Varnishes, Lubricating Oils for all kinds of Machinery. Agricultural Implements, Hardware, Stoves & Tinware, House Furnishing Goods, Cutlery.



**GEORGE ENGELHARDT,**

(Formerly with Samuel Neill.)  
IMPORTER AND DEALER IN—  
STOVES, CHANDELIERS, LAMPS.

—ALSO—  
Crockery, Glassware, House Furnishing Hardware, Agate Iron and Tinware.

AGENT HALL'S SAFE AND LOCK COMPANY.  
BEAVER BLOCK, FORT STREET.  
The Store formerly occupied by S. NOY, opposite SPENCER & Co.'s Bank, Honolulu, H. I.

**THE DAILY HERALD.**

To-day, September 1st, 1886, is issued the first number of THE DAILY HERALD, a morning newspaper, to be printed for the proprietor under contract by the "Press Publishing Company," Merchant street, Honolulu.

Price Six Dollars per Annum or Fifty Cents per Month.

All who receive a copy of the initial or any succeeding number are respectfully

**INVITED TO SUBSCRIBE.**

Business men are solicited to test the advantages of THE DAILY HERALD as an

**ADVERTISING MEDIUM.**

A large edition will be printed each day, to be circulated in Honolulu and throughout the Islands, regardless of subscriptions, until a regular paying list of subscribers is obtained on the public becoming acquainted with the merits of the paper.

The DAILY HERALD will furnish a fresh and readable record of events in city and country. It will also give, from time to time as received, a summary of the latest news from the outside world, in concise and systematic form.

The DAILY HERALD will follow a straightforward, consistent, independent and moderate course in the discussion of public affairs. It will not be the servile organ of any clique, faction or party. At the same time an earnest support will be given to measures promotive of the public welfare, and to individuals or organizations that may appear in the political field, with claims to popular confidence backed by worthy records and unassailable principles.

The undersigned would, however, rather point to his record as a journalist in this city for the past two years, as conductor of the *Daily Bulletin*, than make promises that, in general estimation, are valueless until justified by performance. He can only pledge himself to do his best to produce a thorough, an influential, and in every way acceptable, daily newspaper.

Try the "Daily Herald" for a month at least.

DANIEL LOGAN,  
Editor and Proprietor.

**The "Press" Publishing Company,**

(LIMITED),  
Job, Book, and News Steam Printing Office,  
No. 29 Merchant Street, Honolulu,

Is fully equipped with the latest styles of Founders' supplies to do all work entrusted to it in the

**Highest Style of Typographical Art,**

**Wedding, Visiting or Business Cards,**

Invitations, Menu Cards, Ball Cards, Letter, Note and Billheads, Shipping Receipts, Money Receipts, Certificates of Stock, Contracts, Bills of Lading, Checks, Drafts, Notes, Orders, Tickets, Legal and Mercantile Blanks, Labels, Pamphlets, Books, Newspapers, etc., etc.

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Of all kinds faithfully attended to by Experienced Workmen.

The reputation enjoyed by this Office for Neat and Artistic Printing will be maintained, and at PRICES AS REASONABLE AS IS CONSISTENT WITH FIRST-CLASS WORK. Estimates cheerfully given.

Orders by Mail attended to with as much fidelity as if delivered in person.  
T. S. SOUTHWICK, Secretary. T. G. THRUM, Manager.

**General Advertisements.**

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Pure Malt Whisky

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**MEDICINAL USE.**

NO FUSEL OIL.

Absolutely Pure and Unadulterated.

IN USE IN

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Curative Institutions.

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— AND —

Prescribed by Physicians Everywhere.

— THE ONLY —

**Pure Stimulant**

For the Sick, Invalids, Convalescing Patients, Aged People.

WEAK AND DEBILITATED WOMEN.

Awarded First Prize Gold Medal at World's Exposition, New Orleans, La., 1884.

For Excellence and Purity.

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Sole Agents.

**BROWN & CO.**

Importers and Dealers in

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FORT STREET, HONOLULU, H. I.

Portraits and views. First-class work. Satisfaction guaranteed.

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LEGAL CAP PERFECTION PADS,

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Letter, Cap and Note Blocks of first quality paper.

Legal Caps, Letter and Note Blocks of ruled Manila paper, plain Memo. and Note blocks, M. & H. form blocks for Bills, Statements, Wash-lists, etc.,

Or Paper PUT UP IN ANY FORM Desired

By THOS. G. THRUM'S

160 FORT STREET.

**W. S. LUCE,**

**Wine and Spirit Merchant**

Has just received per "Australia,"

**Celery, Beef and Iron.**

Also has for sale,

ESTABLISHED 1868.

**H. F. BERTELMANN,**

**Contractor and Builder**

No. 86 King Street,

86-14 HONOLULU, H. I.

**MRS. THOMAS LACK.**

No. 81 Fort Street, Honolulu.

IMPORTER AND DEALER IN

**SEWING MACHINES**

AND GRAPINE

Parts, Attachments, Oil and Accessories.

AGENTS FOR THE

WRITE and the LIGHT-RUNNING NEW HOME MACHINE

Howard's Machine Needles, All kinds

Cordell's Silk, in all colors and sizes;

Barbour's Linen Thread,

Clark's O. N. T. Machine Cotton.

Mrs. Demorest's Reliable Cut Paper Patterns

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Dealer in RIFLES

REVOLVERS

GUNS and SPORTING GOODS

SHOT, POWDER, CAPS,

and METALLIC CARTRIDGES!

REBORN STOVES, in all sizes.

Sewing-Machine, Lock and Gun-Repairing promptly attended to.

NOTE HEADS, LETTER HEADS

BILL HEADS and STATEMENT HEADS

printed to order by the

PRESS PUBLISHING COMPANY.

**General Advertisements.**

**M. W. McChesney & Sons**

**GROCERS,**

No. 42 Queen St.

**SUGAR! SUGAR!**

In barrels, half barrels, and boxes.

Bkls. Flour, Golden Gate

Flour, El Dorado

Crown Flour

Sacks Wheat, Best

Sacks Berrie, Best

Sacks Corn, Best, W.I.

Sacks Corn Meal, White, 10 lb. bags,

Sacks Bran, Standard

Sacks Beans, White,

Sacks Beans, Red,

Sacks Beans, Bayon,

Sacks Beans, Horse,

Sacks Beans, Lion

Cases Nissam,

Cases Extra Soda Crackers,

Cases Mellow Bread,

Cases Cracked Wheat, 10 lb. bags,

Cases Corn Meal, white, 10 lb. bags,

Cases Oat Meal, 10 lb. bags,

Cases Corn Starch.

**Casks Dupee Hams,**

Cases L. & A. Hams, Cases R. H. Bacon

Cases Fairbank's Lard, 5 lb. pail,

Cases Fairbank's Lard, 10 lb. pail,

Cases Fairbank's Lard, 20 lb. pail

**Cases New Cheese.**

Boxes and bbls. Salt Codfish,

Bbls. Tinned Columbia River Salmon