

HAWAIIAN

Almanac and Annual

— FOR —



A HAND BOOK OF INFORMATION

**On Matters Relating to the Hawaiian Islands, Original
and Selected, of Value to Merchants, Planters,
Tourists and Others.**

THOS. G. THURM, COMPILER AND PUBLISHER,

TWELFTH YEAR OF PUBLICATION.

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HONOLULU:
PRESS PUBLISHING CO., PRINTERS.
1886.

COUNTING HOUSE

CALENDAR

1886.

1886.

	S	M	T	W	T	F	S
JAN.	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						
FEB.	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					
MAR.	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				
APRIL	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	
MAY	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31					
JUNE	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30			

NO. 166 FORT STREET,
HONOLULU, H. I.

Importing and Manufacturing Stationer

THOS. G. THURM,
PUBLISHER.

	S	M	T	W	T	F	S
JULY	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
AUG.	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				
SEPT.	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30		
OCT.	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						
NOV.	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30				
DEC.	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	

ADVERTISEMENT.

*I*N presenting this twelfth issue of the HAWAIIAN ALMANAC AND ANNUAL the editor and compiler would gratefully acknowledge the valuable aid of contributors and the courteous assistance from the various departments of the government to his labors for the diffusion of reliable information and statistical tables of reference relating to Hawaii, and trusts by watchful care and revision to continue to merit the confidence and support of the public.

The new articles of this issue, prepared with special reference to answer many enquiries that are made abroad relative to Hawaii, it is hoped will prove of value and meet the expressed desires.

To those journals, local and foreign, that have recognized the claim of the Annual as a reliable hand book of information on matters pertaining to the Hawaiian Islands, of value to Merchants, Planters, Tourists and others, is due no small share of the publisher's gratitude.

The constantly increasing circulation and enquiries from abroad, as also the liberal extracts from and reference to its tables, etc., is complimentary to its value as an advertising medium second to none on these Islands.

THOS. G. THRUM.

Honolulu, November 1885.

HAWAIIAN ANNUAL CALENDAR FOR 1885.

Being the 108th year since the discovery of the Hawaiian Islands by Captain COOK :

The latter part of the 110th and the beginning of the 111th year of the Independence of the United States of America. Also,

The year 5646-47 of the Jewish Era ;

The year 1304 of the Mohammedan Era ;

The year 2639 since the foundation of Rome, according to Varro.

HOLIDAYS OBSERVED AT THE HAWAIIAN ISLANDS.

* New Year	Jan. 1	* Kamehameha Day	June 11
Chinese New Year	Feb. 3	American Anniversary	July 4
* Accession of Kalakaua	Feb. 13	* His Majesty's Birthday	Nov. 16
* Kamehameha III. Birthday	Mar. 17	* Recognition of Hawaiian Inde-	
Good Friday	April 23	pendence	Nov. 28
Birth of Queen Victoria	May 24	* Christmas	Dec. 25
Decoration Day	May 30		

Those prefixed by a * are recognized by the Government.

CHRONOLOGICAL CYCLES.

Dominical Letter	C	Solar Cycle	19
Epact	15	Roman Indiction	14
Golden Number	6	Julian Period	6599

CHURCH DAYS.

Epiphany	Jan. 6	Ascension Day	June 3
Ash Wednesday	March 10	Whit Sunday	June 13
First Sunday in Lent	March 14	Trinity Sunday	June 20
Good Friday	April 23	Corpus Christi	June 24
Easter Sunday	April 25	Advent Sunday	Nov. 28
Rogation Sunday	May 30	Christmas	Dec. 25

ECLIPSES IN 1886.

Prepared for the Annual by Prof. W. D. ALEXANDER, as are also the Moon's Phases, and Sun rise and Sun set calculations for this issue.

In the year 1886 there will be two eclipses—both of the Sun.

1. An annular eclipse of the Sun March 5th, visible here as a partial eclipse.

Beginning of the eclipse at 10 h. 20 m. A. M. Honolulu time.

Greatest obscuration at 11 h. 50 m. A. M. Honolulu time.

End of the eclipse at 1 h. 20 m. P. M. Honolulu time.

Magnitude of the eclipse = 0.35

2. A total eclipse of the Sun, August 28-29, visible in South Africa, the Atlantic Ocean, the West Indies, and parts of North and South America.

FIRST QUARTER, 1885.

JANUARY.				FEBRUARY.				MARCH.			
D.	H. M.			D.	H. M.			D.	H. M.		
4	New Moon	9.12.3	P. M.	3	New Moon	4.43.2	P. M.	5	New Moon	11.32.9	A. M.
13	First Quarter	1.53.0	A. M.	11	First Quarter	4.14.8	P. M.	13	First Quarter	22.45.8	A. M.
19	Full Moon	9.13.4	P. M.	18	Full Moon	7.43.6	A. M.	19	Full Moon	6.05.2	P. M.
26	Last Quarter	3.00.0	P. M.	25	Last Quarter	6.40.0	A. M.	27	Last Quarter	0.12.8	A. M.
Day of Month...	Day of Week...	Sun Rises	Sun Sets	Day of Month...	Day of Week...	Sun Rises	Sun Sets	Day of Month...	Day of Week...	Sun Rises	Sun Sets
		H. M.	H. M.			H. M.	H. M.			H. M.	H. M.
1	Fri	6 38 1	5 30 1	1	Mon	6 37 4	5 50 6	1	Mon	6 20 5	6 04 6
2	Sat	6 38 4	5 30 8	2	Tues	6 37 0	5 51 2	2	Tues	6 19 7	6 05 0
3	SUN	6 38 6	5 31 5	3	Wed	6 36 6	5 51 8	3	Wed	6 18 9	6 05 4
4	Mon	6 38 8	5 32 1	4	Thurs	6 36 2	5 52 4	4	Thurs	6 18 1	6 05 8
5	Tues	6 39 0	5 32 7	5	Fri	6 35 8	5 53 0	5	Fri	6 17 2	6 06 1
6	Wed	6 39 3	5 33 4	6	Sat	6 34 4	5 53 6	6	Sat	6 16 4	6 06 5
7	Thurs	6 39 5	5 34 1	7	SUN	6 34 9	5 54 2	7	SUN	6 15 5	6 06 9
8	Fri	6 39 7	5 34 8	8	Mon	6 34 4	5 54 8	8	Mon	6 14 7	6 07 3
9	Sat	6 40 0	5 35 5	9	Tues	6 33 9	5 55 3	9	Tues	6 13 8	6 07 6
10	SUN	6 40 1	5 36 1	10	Wed	6 33 4	5 55 8	10	Wed	6 12 9	6 08 0
11	Mon	6 40 2	5 36 8	11	Thurs	6 32 9	5 56 3	11	Thurs	6 12 0	6 08 3
12	Tues	6 40 2	5 37 5	12	Fri	6 32 3	5 56 8	12	Fri	6 11 2	6 08 6
13	Wed	6 40 3	5 38 2	13	Sat	6 31 7	5 56 8	13	Sat	6 10 3	6 08 9
14	Thurs	6 40 3	5 38 9	14	SUN	6 31 1	5 57 3	14	SUN	6 09 4	6 09 3
15	Fri	6 40 4	5 39 5	15	Mon	6 30 5	5 58 3	15	Mon	6 08 5	6 09 6
16	Sat	6 40 4	5 40 2	16	Tues	6 29 9	5 58 8	16	Tues	6 07 6	6 09 9
17	SUN	6 40 3	5 40 9	17	Wed	6 29 3	5 59 3	17	Wed	6 06 7	6 10 2
18	Mon	6 40 3	5 41 6	18	Thurs	6 28 6	5 59 8	18	Thurs	6 05 8	6 10 5
19	Tues	6 40 2	5 42 2	19	Fri	6 27 9	6 00 3	19	Fri	6 04 9	6 10 8
20	Wed	6 40 2	5 42 8	20	Sat	6 27 2	6 00 8	20	Sat	6 03 9	6 11 2
21	Thurs	6 40 0	5 43 5	21	SUN	6 26 5	6 01 3	21	SUN	6 03 0	6 11 5
22	Fri	6 39 9	5 44 2	22	Mon	6 25 8	6 01 7	22	Mon	6 02 1	6 11 8
23	Sat	6 39 8	5 44 9	23	Tues	6 25 1	6 02 1	23	Tues	6 01 2	6 12 1
24	SUN	6 39 6	5 45 6	24	Wed	6 24 4	6 02 5	24	Wed	6 00 3	6 12 4
25	Mon	6 39 4	5 46 2	25	Thurs	6 23 6	6 02 9	25	Thurs	5 59 3	6 12 8
26	Tues	6 39 1	5 46 8	26	Fri	6 22 9	6 03 3	26	Fri	5 58 4	6 13 1
27	Wed	6 38 8	5 47 4	27	Sat	6 22 1	6 03 7	27	Sat	5 57 5	6 13 4
28	Thurs	6 38 5	5 48 0	28	SUN	6 21 3	6 04 1	28	SUN	5 56 6	6 13 7
29	Fri	6 38 3	5 48 6					29	Mon	5 55 7	6 14 0
30	Sat	6 38 1	5 49 3					30	Tues	5 54 7	6 14 3
31	SUN	6 37 8	5 50 0					31	Wed	5 53 8	6 14 6

In the year 1884 there was imported into the Islands \$86,411.72 worth of bags and bagging material for the needs of our sugar and rice plantations, while reeds or rushes suitable for bag making are obtainable in any quantity in almost all parts of the Islands for the cost of gathering. No systematic effort has been made to establish a local industry of this nature, though it would seem as if there was a home market for all that might be produced.

CENSUS OF THE HAWAIIAN ISLANDS, TAKEN DECEMBER 31, 1884

BY DISTRICTS AND ISLANDS.

HAWAII.		MOLOKAI AND LANAI..... 2,614	
Hilo.....	7,988	OAHU.	
Puna.....	944	Honolulu.....	20,487
Kau.....	3,483	Ewa and Waianae.....	2,374
Kona, North.....	1,773	Waialua.....	1,265
Kona, South.....	1,825	Koolauloa.....	1,321
Kohala, North.....	4,481	Koolaupoko.....	2,621
Kohala, South.....	589		—28,068
Hamakua.....	3,908		
	—24,991	KAUAI.	
MAUI.		Waimea and Niihau.....	1,762
Lahaina.....	2,269	Koloa.....	1,500
Wailuku.....	5,814	Kawihau.....	1,882
Hana.....	2,814	Hanalei.....	1,807
Makawao.....	5,073	Lihue.....	1,984
	—15,970		8,935

BY NATIONALITY.

Natives.....	40,014	Britons.....	1,282
Half-castes.....	4,218	Portuguese.....	9,377
Chinese.....	17,937	Germans.....	1,600
Americans.....	2,066	French.....	192
Hawaiian-born of foreign parents.....	2,040	Other foreigners.....	416
Japanese.....	110	Poynesian.....	956
Norwegian.....	362		
		Total Population, 1878.....	80,578

Population of the Principal Township Districts of the Hawaiian Islands,

Compiled from the latest Census, 1884.

NATIONALITIES.	HONOLULU, OAHU.	WAILUKU, MAUI.	LAHAINA, MAUI.	HILO, HAWAII.	LIHUE, KAUAI.
Natives.....	9,303	2,741	1,512	2,422	680
Half-castes.....	1,850	331	178	246	62
Foreigners other than Chinese.....	4,109	830	224	3,492	395
Chinese.....	5,225	1,932	354	1,823	347
Totals.....	20,487	5,814	2,268	7,988	1,984

COMPARATIVE TABLE OF POPULATION OF THE HAWAIIAN ISLANDS.

ISLANDS.	Est. 1823.	Census 1832.	Census 1836.	Census 1853.	Census 1860.	Census 1866.	Census 1872.	Census 1884
Hawaii.....	85,000	45,792	39,364	24,450	21,481	19,808	16,001	24,991
Maui.....	20,000	35,062	24,199	17,574	16,400	14,035	12,334	15,970
Oahu.....	20,000	29,755	27,809	19,126	21,275	19,799	20,671	28,068
Kauai.....	10,000	10,977	8,934	6,991	6,877	6,299	4,961	* 8,935
Molokai.....	3,500	6,000	6,000	3,607	2,864	2,299	2,349	) 2,614
Lanai.....	2,500	1,600	1,200	600	646	394	348	
Niihau.....	1,000	1,047	993	790	647	325	233	.....
Kahoolawe.....	50	80	80					.....
Totals.....	142,050	130,313	108,579	73,138	60,800	62,050	56,088	80,578

*Kauai and Niihau.

SECOND QUARTER, 1885.

APRIL.				MAY.				JUNE.			
D.	H. M.			D.	H. M.			D.	H. M.		
4	New Moon	3.59.2	A. M.	3	New Moon	5.11.1	P. M.	2	New Moon	3.23.9	A. M.
11	First Quarter	10.12.6	A. M.	10	First Quarter	3.49.2	P. M.	8	First Quarter	8.55.3	P. M.
18	Full Moon	4.27.7	A. M.	17	Full Moon	3.15.7	P. M.	16	Full Moon	3.07.4	P. M.
25	Last Quarter	6.44.0	P. M.	25	Last Quarter	1.04.7	P. M.	24	Last Quarter	6.03.4	A. M.
Day of Month.	Day of Week.	Sun rises.	Sun sets.	Day of Month.	Day of Week.	Sun rises.	Sun sets.	Day of Month.	Day of Week.	Sun rises.	Sun sets.
1	Thurs.	5.52.9	6.14.9	1	Sat.	5.28.9	6.25.2	1	Tues.	5.17.2	6.38.2
2	Fri.	5.52.0	6.15.2	2	SUN	5.28.3	6.25.6	2	Wed.	5.17.2	6.38.6
3	Sat.	5.51.1	6.15.5	3	Mon.	5.27.7	6.26.0	3	Thurs.	5.17.1	6.39.0
4	SUN	5.50.2	6.15.8	4	Tues.	5.27.1	6.26.4	4	Fri.	5.17.1	6.39.3
5	Mon.	5.49.3	6.16.1	5	Wed.	5.26.5	6.26.8	5	Sat.	5.17.0	6.39.7
6	Tues.	5.48.4	6.16.5	6	Thurs.	5.26.0	6.27.2	6	SUN	5.17.0	6.40.0
7	Wed.	5.47.5	6.16.8	7	Fri.	5.25.4	6.27.6	7	Mon.	5.17.0	6.40.4
8	Thurs.	5.46.6	6.17.1	8	Sat.	5.24.9	6.28.0	8	Tues.	5.17.0	6.40.8
9	Fri.	5.45.7	6.17.4	9	SUN	5.24.3	6.28.4	9	Wed.	5.17.0	6.41.1
10	Sat.	5.44.9	6.17.7	10	Mon.	5.23.8	6.28.9	10	Thurs.	5.17.0	6.41.5
11	SUN	5.44.0	6.18.0	11	Tues.	5.23.3	6.29.3	11	Fri.	5.17.1	6.41.8
12	Mon.	5.43.2	6.18.3	12	Wed.	5.22.8	6.29.8	12	Sat.	5.17.2	6.42.1
13	Tues.	5.42.4	6.18.6	13	Thurs.	5.22.4	6.30.2	13	SUN	5.17.3	6.42.4
14	Wed.	5.41.6	6.19.0	14	Fri.	5.22.0	6.30.6	14	Mon.	5.17.4	6.42.7
15	Thurs.	5.40.8	6.19.3	15	Sat.	5.21.6	6.31.0	15	Tues.	5.17.5	6.43.0
16	Fri.	5.40.0	6.19.7	16	SUN	5.21.1	6.31.4	16	Wed.	5.17.7	6.43.3
17	Sat.	5.39.1	6.20.0	17	Mon.	5.20.7	6.31.9	17	Thurs.	5.17.9	6.43.5
18	SUN	5.38.3	6.20.4	18	Tues.	5.20.4	6.32.3	18	Fri.	5.18.1	6.43.8
19	Mon.	5.37.5	6.20.7	19	Wed.	5.20.1	6.32.7	19	Sat.	5.18.2	6.44.0
20	Tues.	5.36.7	6.21.1	20	Thurs.	5.19.8	6.33.0	20	SUN	5.18.3	6.44.3
21	Wed.	5.35.9	6.21.4	21	Fri.	5.19.5	6.33.6	21	Mon.	5.18.6	6.44.5
22	Thurs.	5.35.2	6.21.8	22	Sat.	5.19.2	6.34.0	22	Tues.	5.18.8	6.44.6
23	Fri.	5.34.4	6.22.1	23	SUN	5.18.9	6.34.5	23	Wed.	5.19.0	6.44.8
24	Sat.	5.33.7	6.22.5	24	Mon.	5.18.6	6.34.9	24	Thurs.	5.19.2	6.45.0
25	SUN	5.33.0	6.22.9	25	Tues.	5.18.4	6.35.3	25	Fri.	5.19.5	6.45.2
26	Mon.	5.32.3	6.23.3	26	Wed.	5.18.2	6.35.7	26	Sat.	5.19.8	6.45.3
27	Tues.	5.31.6	6.23.6	27	Thurs.	5.18.0	6.36.2	27	SUN	5.20.1	6.45.4
28	Wed.	5.30.9	6.24.0	28	Fri.	5.17.8	6.36.6	28	Mon.	5.20.4	6.45.5
29	Thurs.	5.30.2	6.24.4	29	Sat.	5.17.6	6.37.0	29	Tues.	5.20.7	6.45.6
30	Fri.	5.29.6	6.24.8	30	SUN	5.17.4	6.37.4	30	Wed.	5.21.0	6.45.8
				31	Mon.	5.17.3	6.37.8				

For a recognition of Christmas and other holiday and birthday claims of the juvenile portion of the Island community on their elders, the custom house tables for 1884 showed the valuation of imports of toys alone to be \$7,243,12. In 1875 the imports of this line of goods reached but \$3,194,90. It is well to bear in mind, too, that this class of trade is confined almost exclusively to the foreign population; the Hawaiian and Chinese being but occasional imitators of their European brethren in this respect.

LIST OF FREE IMPORTS FROM THE UNITED STATES BY TREATY.

When Properly Certified to before the Hawaiian Consul, at the nearest Port of Shipment.

Agricultural Implements; Animals.

Bacon; Bags, (cotton or textile manufactures); Beef; Bells; Books; Boots and Shoes; Bran; Bricks; Bread and Breadstuffs of all kinds; Brushes; Bullion; Butter.

Cement; Cheese; Coal; Cordage; Copper and Composition Sheathing; Cotton and Manufactures of Cotton, bleached and unbleached, and whether or not colored, stained, painted or printed; Clocks, if without glass and of wood; Cutlery.

Doors, Sashes and Blinds.

Edging, Embroidery, (if of cotton); Eggs; Engines and parts thereof.

Fish and Oysters, and all creatures living in the water, and the products thereof; Fruits, Nuts, and Vegetables, green, dried or undried, preserved or unpreserved; Flour, Furs.

Grain; Gloves, Gimps, Girdles (if of cotton); Guns and Pistols (unless mounted in ivory, rubber or nickel).

Ham; Hardware; Harness; Hay; Hides; dressed or undressed; Hoop Iron.

Ice; Iron and Steel, and manufactures thereof; Nails; Spikes and Bolts; Rivets, Brads or Sprigs; Tacks.

Lanterns (without glass); Lard; Leather, and all manufactures thereof; Lumber and Timber of all kinds, round, hewed, sawed, and manufactured in whole or in part; Lime.

Machinery of all kinds; Meal and Bran; Meats, fresh, smoked or preserved; Mitts (if cotton); Mattresses (all except hair).

Nails, Naval Stores; including Tar; Pitch; Resin; Turpentine, raw and rectified. Oats.

Pictures (on paper); Purses (if of leather); Picture frames; Parasols and Umbrellas (if of cotton); Paper and all manufactures of Paper or of Paper and Wood; Petroleum, and all oils for illuminating or lubricating purposes; Plants, Shrubs, Trees and Seeds; Pork.


Rice.

Salt; Shooks; Shoe Horns (if of iron or steel); Skins and Pelts, dressed or undressed; Staves and Headings; Starch; Stationery; Soap; Sugar, refined or unrefined.

Tallow; Textile Manufactures made of a combination of wool, cotton, silk or linen, or of any two or more of them, other than when ready-made clothing; Toys (when made of wood, or of wood and metal, or iron or steel); Tobacco, whether in leaf or manufactured.

Wagons and carts for the purposes of agriculture or of drayage; Wood and manufactures of Wood, or Wood and Metal, except Furniture either upholstered or carved, and Carriages; Wool and manufactures of Wool, other than ready-made clothing.

For list of articles of Hawaiian produce admitted free under the treaty into the United States see page 18.

 For full text of the Reciprocity Treaty with the United States, see Annual for 1877.

THIRD QUARTER, 1885.

JULY.				AUGUST.				SEPTEMBER.			
D.	H. M.			D.	H. M.			D.	H. M.		
1	New Moon	11.35.2	A. M.	6	First Quarter	10.34.8	A. M.	4	First Quarter	9.24.1	P. M.
8	First Quarter	2.46.7	A. M.	14	Full Moon	7.52.8	A. M.	13	Full Moon	0.18.9	A. M.
15	Full Moon	4.37.5	P. M.	22	Last Quarter	9.10.4	A. M.	20	Last Quarter	7.24.4	P. M.
23	Last Quarter	8.50.0	P. M.	29	New Moon	2.22.9	A. M.	27	New Moon	10.47.2	A. M.
30	New Moon	6.54.5	P. M.								
<i>Day of Month.</i>	<i>Day of Week.</i>	<i>Sunrise.</i>	<i>Sunset.</i>	<i>Day of Month.</i>	<i>Day of Week.</i>	<i>Sunrise.</i>	<i>Sunset.</i>	<i>Day of Month.</i>	<i>Day of Week.</i>	<i>Sunrise.</i>	<i>Sunset.</i>
1	Thurs.	5.21.3	6.45.8	1	SUN.	5.33.3	6.38.6	1	Wed.	5.43.3	6.15.8
2	Fri.	5.21.6	6.45.8	2	Mon.	5.33.7	6.38.0	2	Thurs.	5.43.6	6.14.8
3	Sat.	5.22.0	6.45.8	3	Tues.	5.34.1	6.37.5	3	Fri.	5.43.8	6.13.9
4	SUN	5.22.3	6.45.9	4	Wed.	5.34.5	6.36.9	4	Sat.	5.44.1	6.13.0
5	Mon.	5.22.7	6.45.9	5	Thurs.	5.34.8	6.36.4	5	SUN.	5.44.4	6.12.1
6	Tues.	5.23.1	6.45.8	6	Fri.	5.35.2	6.35.8	6	Mon.	5.44.7	6.11.2
7	Wed.	5.23.4	6.45.7	7	Sat.	5.35.5	6.35.2	7	Tues.	5.45.0	6.10.2
8	Thurs.	5.23.8	6.45.7	8	SUN	5.35.9	6.34.6	8	Wed.	5.45.2	6.09.3
9	Fri.	5.24.1	6.45.6	9	Mon.	5.36.2	6.34.0	9	Thurs.	5.45.5	6.08.3
10	Sat.	5.24.5	6.45.6	10	Tues.	5.36.6	6.33.3	10	Fri.	5.45.7	6.07.4
11	SUN	5.24.9	6.45.4	11	Wed.	5.36.9	6.32.6	11	Sat.	5.46.0	6.06.5
12	Mon.	5.25.3	6.45.2	12	Thurs.	5.37.3	6.31.9	12	SUN.	5.46.2	6.05.5
13	Tues.	5.25.7	6.45.1	13	Fri.	5.37.6	6.31.2	13	Mon.	5.46.5	6.04.6
14	Wed.	5.26.1	6.44.9	14	Sat.	5.37.9	6.30.5	14	Tues.	5.46.7	6.03.6
15	Thurs.	5.26.5	6.44.8	15	SUN	5.38.3	6.29.8	15	Wed.	5.47.0	6.02.6
16	Fri.	5.26.9	6.44.6	16	Mon.	5.38.6	6.29.1	16	Thurs.	5.47.2	6.01.7
17	Sat.	5.27.3	6.44.3	17	Tues.	5.38.9	6.28.4	17	Fri.	5.47.5	6.00.7
18	SUN	5.27.7	6.44.0	18	Wed.	5.39.3	6.27.6	18	Sat.	5.47.7	5.59.8
19	Mon.	5.28.1	6.43.7	19	Thurs.	5.39.6	6.26.8	19	SUN.	5.48.0	5.58.8
20	Tues.	5.28.5	6.43.5	20	Fri.	5.39.9	6.26.0	20	Mon.	5.48.2	5.57.9
21	Wed.	5.28.9	6.43.2	21	Sat.	5.40.2	6.25.2	21	Tues.	5.48.5	5.57.0
22	Thurs.	5.29.3	6.42.8	22	SUN	5.40.5	6.24.4	22	Wed.	5.48.8	5.56.0
23	Fri.	5.29.7	6.42.5	23	Mon.	5.40.8	6.23.6	23	Thurs.	5.49.0	5.55.0
24	Sat.	5.30.1	6.42.1	24	Tues.	5.41.1	6.22.8	24	Fri.	5.49.3	5.54.1
25	SUN	5.30.5	6.41.8	25	Wed.	5.41.4	6.21.9	25	Sat.	5.49.5	5.53.1
26	Mon.	5.30.9	6.41.4	26	Thurs.	5.41.7	6.21.1	26	SUN.	5.49.8	5.52.1
27	Tues.	5.31.4	6.41.0	27	Fri.	5.42.0	6.20.2	27	Mon.	5.50.1	5.51.2
28	Wed.	5.31.8	6.40.5	28	Sat.	5.42.3	6.19.4	28	Tues.	5.50.4	5.50.3
29	Thurs.	5.32.2	6.40.0	29	SUN	5.42.6	6.18.5	29	Wed.	5.50.7	5.49.4
30	Fri.	5.32.5	6.39.6	30	Mon.	5.42.8	6.17.6	30	Thurs.	5.51.0	5.48.4
31	Sat.	5.32.9	6.39.1	31	Tues.	5.43.1	6.16.7				

Ten years ago the valuation of imports for the Islands of books and stationery amounted to \$25,472,07. Five years later this had increased to \$53,694,79, and in 1884 the figures for this line of imports showed a valuation of \$69,167,23. Of this amount, \$17,921,86 is found to be for miscellaneous printed books and \$11,021,02 for periodicals and papers, other than receipts through the regular mails.

INTER-ISLAND DISTANCES BY SEA, IN SEA MILES.

AROUND OAHU.

FROM HONOLULU, ESPLANADE WHARF, TO:

	<i>Miles.</i>		<i>Miles.</i>
Bell Buoy.....	1½	Kahuku.....	51
Diamond Head.....	5	Pearl Rivet Bar.....	6
Koko Head.....	12	Barber's Point.....	14
Makapuu Point.....	17	Kaena Point, N. W. of Oahu.....	34
Mokapu.....	29	Kahuku, N. pt. of Oahu, via Kaena.....	54

HONOLULU TO:

	<i>Miles.</i>		<i>Miles.</i>
Lae o ka Lua, S. W. pt. of Molokai.....	35	Kawaihae.....	144
West point of Lanai.....	50	Kealakekua direct.....	157
Kalaupapa Leper Settlement.....	50	Kealakekua via Kawaihae.....	186
Lahaina.....	72	S. W. point Hawaii via Kawaihae.....	233
Lahului.....	90	Punaluu.....	250
Hana.....	125	Hilo direct.....	192
Maalaea.....	85	Hilo windward.....	207
Makena.....	90	Hilo.....	230
Mahukona.....	134		

HONOLULU TO:

	<i>Miles.</i>		<i>Miles.</i>
Koloa, Kauai.....	102	Waimea.....	120
Nawiliwili.....	98	Makena.....	120
Niihau.....	144		

LAHAINA TO:

	<i>Miles.</i>		<i>Miles.</i>
Kaluaha.....	17	Maalaea.....	12
Lanai.....	9	Makena.....	18

KAWAIIHAE TO:

	<i>Miles.</i>		<i>Miles.</i>
Mahukona.....	10	Hilo.....	85
Waipio.....	40	Lae o ka Mano.....	20
Honokaa.....	50	Kailu.....	34
Laupahoehoe.....	65	Kealakekua.....	44

HILO TO:

	<i>Miles.</i>		<i>Miles.</i>
East point of Hawaii.....	20	Punaluu.....	70
Keauhou, Kau.....	50	Kaaluau.....	80
North point of Hawaii.....	70	South point of Hawaii.....	85

WIDTH OF CHANNELS—EXTREME POINT TO POINT.

	<i>Miles.</i>		<i>Miles.</i>
Oahu and Molokai.....	23	Maui and Kahoolawe.....	6
Diamond Head to S. W. point Molokai.....	26	Hawaii and Maui.....	26
Molokai and Lanai.....	30	Kauai and Oahu.....	61
Molokai and Maui.....	9	Niihau and Kauai.....	15
Maui and Lanai.....	9		

OCEAN DISTANCES—HONOLULU TO:

	<i>Miles.</i>		<i>Miles.</i>
San Francisco.....	2,100	Auckland.....	3,810
Portland.....	4,620	Sydney.....	4,484
Panama.....	2,460	Hongkong.....	4,803
Tahiti.....	2,380	Yokohama.....	3,440

AREA, ELEVATION, AND POPULATION OF THE HAWAIIAN ISLANDS.

	<i>Areas in stat. sq. miles.</i>	<i>Acres.</i>	<i>Height in feet.</i>	<i>Population, 1884.</i>
Hawaii.....	4,210	2,500,000	13,805	24,991
Maui.....	760	400,000	10,032	15,970
Oahu.....	600	360,000	4,060	28,068
Kauai.....	590	350,000	4,800	*8,935
Molokai.....	270	200,000	3,500 }	2,614
Lanai.....	150	100,000	3,000 }	
Niihau.....	97	70,000	800	
Kahoolawe.....	63	30,000	1,450	

*Kahai and Niihau.

FOURTH QUARTER, 1885.

OCTOBER.				NOVEMBER.				DECEMBER.			
D.	H. M.			D.	H. M.			D.	H. M.		
4	0.02.0	P. M.	3	6.33.8	A. M.	3	3.53.6	A. M.	3	10.58.8	P. M.
12	4.52.5	P. M.	11	8.35.1	A. M.	10	6.22.8	P. M.	10	8.07.7	P. M.
20	4.09.4	A. M.	18	0.09.0	P. M.	17	6.24.1	P. M.	17	8.07.7	P. M.
26	8.44.0	P. M.	25	8.47.1	A. M.	24	11.23.3	P. M.	24	11.23.3	P. M.
Day of Month...	Day of Week...	Sun Rises...	Sun Sets...	Day of Month...	Day of Week...	Sun Rises...	Sun Sets...	Day of Month...	Day of Week...	Sun Rises...	Sun Sets...
H. M.	H. M.			H. M.	H. M.			H. M.	H. M.		
1 Fri	5 51 3	5 47 5	1 Mon	6 03 3	5 23 9	1 Wed	6 21 5	5 17 3	2 Thurs	6 22 1	5 17 4
2 Sat	5 51 5	5 46 6	2 Tues	6 03 8	5 23 4	3 Fri	6 22 8	5 17 5	3 Fri	6 22 8	5 17 5
3 SUN	5 51 8	5 45 7	3 Wed	6 04 3	5 22 9	4 Sat	6 23 4	5 17 7	4 Sat	6 23 4	5 17 7
4 Mon	5 52 1	5 44 8	4 Thurs	6 04 8	5 22 5	5 SUN	6 24 1	5 17 8	5 SUN	6 24 1	5 17 8
5 Tues	5 52 4	5 43 9	5 Fri	6 05 3	5 21 9	6 Mon	6 24 7	5 18 1	6 Mon	6 24 7	5 18 1
6 Wed	5 52 7	5 43 0	6 Sat	6 05 9	5 21 5	7 Tues	6 25 3	5 18 3	7 Tues	6 25 3	5 18 3
7 Thurs	5 53 0	5 42 2	7 SUN	6 06 4	5 21 1	8 Wed	6 25 9	5 18 6	8 Wed	6 25 9	5 18 6
8 Fri	5 53 3	5 41 3	8 Mon	6 07 0	5 20 7	9 Thurs	6 26 5	5 18 9	9 Thurs	6 26 5	5 18 9
9 Sat	5 53 7	5 40 4	9 Tues	6 07 6	5 20 3	10 Fri	6 27 2	5 19 2	10 Fri	6 27 2	5 19 2
10 SUN	5 54 0	5 39 5	10 Wed	6 08 2	5 19 9	11 Sat	6 27 8	5 19 5	11 Sat	6 27 8	5 19 5
11 Mon	5 54 4	5 38 6	11 Thurs	6 08 8	5 19 4	12 SUN	6 28 4	5 19 9	12 SUN	6 28 4	5 19 9
12 Tues	5 54 7	5 37 8	12 Fri	6 09 4	5 19 1	13 Mon	6 29 0	5 20 3	13 Mon	6 29 0	5 20 3
13 Wed	5 55 0	5 37 0	13 Sat	6 10 0	5 18 8	14 Tues	6 29 6	5 20 6	14 Tues	6 29 6	5 20 6
14 Thurs	5 55 4	5 36 2	14 SUN	6 10 6	5 18 5	15 Wed	6 30 2	5 21 0	15 Wed	6 30 2	5 21 0
15 Fri	5 55 8	5 35 4	15 Mon	6 11 2	5 18 3	16 Thurs	6 30 8	5 21 4	16 Thurs	6 30 8	5 21 4
16 Sat	5 56 1	5 34 6	16 Tues	6 11 8	5 18 1	17 Fri	6 31 3	5 21 9	17 Fri	6 31 3	5 21 9
17 SUN	5 56 5	5 33 8	17 Wed	6 12 4	5 17 9	18 Sat	6 31 9	5 22 3	18 Sat	6 31 9	5 22 3
18 Mon	6 56 9	5 33 0	18 Thurs	6 13 0	5 17 7	19 SUN	6 32 5	5 22 7	19 SUN	6 32 5	5 22 7
19 Tues	5 57 3	5 32 2	19 Fri	6 13 6	5 17 5	20 Mon	7 33 0	5 23 2	20 Mon	7 33 0	5 23 2
20 Wed	5 57 7	5 31 5	20 Sat	6 14 3	5 17 3	21 Tues	6 33 4	5 23 7	21 Tues	6 33 4	5 23 7
21 Thurs	5 58 1	5 30 8	21 SUN	6 14 9	5 17 2	22 Wed	6 33 9	5 24 2	22 Wed	6 33 9	5 24 2
22 Fri	5 58 5	5 30 1	22 Mon	6 15 5	5 17 1	23 Thurs	6 34 5	5 24 7	23 Thurs	6 34 5	5 24 7
23 Sat	5 59 0	5 29 4	23 Tues	6 16 2	5 17 0	24 Fri	6 35 0	5 25 3	24 Fri	6 35 0	5 25 3
24 SUN	5 59 4	5 28 7	24 Wed	6 16 8	5 17 0	25 Sat	6 35 4	5 25 8	25 Sat	6 35 4	5 25 8
25 Mon	5 59 9	5 28 1	25 Thurs	6 17 5	5 17 0	26 SUN	6 35 8	5 26 4	26 SUN	6 35 8	5 26 4
26 Tues	6 00 3	5 27 4	26 Fri	6 18 2	5 17 0	27 Mon	6 36 2	5 27 0	27 Mon	6 36 2	5 27 0
27 Wed	6 00 9	5 26 8	27 Sat	6 18 8	5 17 0	28 Tues	6 36 6	5 27 5	28 Tues	6 36 6	5 27 5
28 Thurs	6 01 4	5 26 2	28 SUN	6 19 4	5 17 0	29 Wed	6 37 0	5 28 1	29 Wed	6 37 0	5 28 1
29 Fri	6 01 9	5 25 6	29 Mon	6 20 1	5 17 1	30 Thurs	6 37 3	5 28 7	30 Thurs	6 37 3	5 28 7
30 Sat	6 02 3	5 25 0	30 Tues	6 20 8	5 17 1	31 Fri	6 37 7	5 29 3	31 Fri	6 37 7	5 29 3
31 SUN	6 02 8	5 24 4									

In 1875, the year before the reciprocity treaty with the United States went into operation, the value of imports of machinery into the Islands was \$23,605.12. The value imported in 1884,—as shown by the Import Table on page 15—was \$211,172.50, of which \$144,803.98 came under the “free by treaty” list. This growth of importation is on a par with the steadily increased facilities of the Honolulu Iron Works to supply the growing demand of plantations, mill men and others.

OVERLAND DISTANCES.

ISLAND OF HAWAII.

PREPARED BY J. M. LYDGATE.

THROUGH PUNA, FROM THE HIIO COURT HOUSE.

HILO TO :	Miles.	HILO TO :	Miles.
Keaau.....	9½	Opihikao.....	29½
Makuu.....	15	Kaimu.....	37
Sand Hills Nanawale.....	18½	Kalapana.....	38
Puula.....	21½	Panau.....	45
Kapoho.....	23	Volcano House.....	61
Pohoiki-Rycroft's.....	20½		

TO VOLCANO.

HILO TO :	Miles.	HILO TO :	Miles.
Edge of Woods.....	4½	Kanekoa upper Half-way Houses.....	16
Cocoanut Grove.....	7½	Upper Woods.....	24
Through Ki Swamp.....	9½	Volcano House.....	30½
Hawelu's Half-way House.....	14		

THROUGH HILO DISTRICT.

HILO TO :	Miles.	TO HILO :	Miles.
Honohina Bridge.....	2.5	Honohina Church.....	17.8
Paukae Mill.....	2.9	Waikaumalo Bridge.....	18.8
Papaikou—Office.....	4.7	Pohakupuka Bridge.....	21.0
Onomea Church.....	6.9	Maulua Gulch.....	22.0
Kaupakuea Cross Road.....	10.7	Kaiwilahila hi Bridge.....	24.6
Kolekole Bridge.....	14.3	Lidgate's House.....	26.1
Hakalau, east edge gulch.....	15.0	Laupahoehoe Church.....	26.7
Umauma Bridge.....	16.0		

THROUGH HAMAKUA.

LAUPAHOEHOE CHURCH TO :	Miles.	LAUPAHOEHOE CHURCH TO :	Miles.
Hind's.....	.7	Mills' Store, Honokaa.....	18.0
Bottom Kawaihi Gulch.....	2.0	Horokaia Church.....	20.5
Ookala, Manager's House.....	4.0	Kuaikalua Gulch.....	22.0
Soper's.....	4.9	Kapulena Church.....	23.0
Kealakaha Gulch.....	6.0	Waipanihua.....	24.1
Kaala Church.....	6.8	Bicknell's.....	25.8
Kukaiua Gulch.....	8.0	Stream at Kukuihaele.....	26.0
Horner's.....	8.5	Edge Waipio.....	26.5
Catholic Church, Kainehe.....	9.0	Bottom Waipio.....	27.0
Notley's, Paauilo.....	10.5	Waimanu (approximate).....	32.5
Kaumoali Bridge.....	12.5	Kukuihaele to Waimea (approximate).....	10.5
Bottom Kalopa Gulch.....	14.0	Gov't Road to Hamakua Mill.....	1.0
R. A. Lyman's, Paauhau.....	15.2	" " Paauhau Mill.....	1.0
Paauhau Church.....	16.3	" " Pacific Sugar Mill, Kukuihaele.....	.7

THROUGH KOHALA.

Kawaihae to Waimea.....	11.0	Kawaihae to Hind's, Kohala (approx).....	14.0
" " Puako.....	5.0	Waimea to Kohala Plantation (approx).....	25.0

FOREIGN CHURCH, KOHALA, TO :

Edge of Pololu Gulch.....	4.00
Niuhii Mill.....	2.80
Dr. Wight's Store, Halawa.....	1.15
Halawa Mill.....	1.65
Hapuu Landing.....	2.15
Dr. Thompson's.....	1.75
Dramatic Hall, Kaiopihii.....	.40
Kohala Mill.....	.50
Kohala Mill Landing.....	1.50
Native Church.....	1.00

FOREIGN CHURCH, KOHALA, TO :

Star Mill.....	1.75
Star Mill R. R. Station.....	2.50
Union Mill.....	2.25
Union Mill R. R. Station.....	3.25
Honomakau.....	2.50
Hind's, Hawaii.....	3.25
Hawi R. R. Station.....	4.25
Honoipu.....	7.25
Mahukona.....	10.50
Puuhue Ranch.....	7.25

OVERLAND DISTANCES,

ISLAND OF OAHU.

HONOLULU POST-OFFICE, TO:		HONOLULU POST-OFFICE, TO:	
	<i>Miles.</i>		<i>Miles.</i>
Waikiki Grove.....	3	Waimanalo.....	12
Diamond Head.....	4½	Kaneohe Plantation.....	9½
Coco Head.....	11	Kaalaea Plantation.....	15
Ewa Church.....	11	Kualoa Ranch.....	19½
Waialua Church.....	18½	Punaluu Rice Plantation.....	26
Waianae Church, Pokai.....	30	Laie Settlement.....	32
Nuuanu Pali.....	6	Kahuku.....	38

ISLAND OF KAUAI.

LILUOKE TO:		KOLOA TO:	
	<i>Miles.</i>		<i>Miles.</i>
Waialua Falls.....	5	Hanapepe.....	7
Koloa.....	10	Waimea.....	15
Kealia.....	14		
Kilauea.....	22	Waimea to Mana Point.....	10
Hanalei.....	30	Nawiliwili to Mana Point.....	35

ISLAND OF MAUI.

LAHAINA TO:		KALEPOLEPO TO:	
	<i>Miles.</i>		<i>Miles.</i>
Kaanapali.....	4	Makee's.....	10
Wailuku.....	20	Makawao.....	13½
		HAIKU LANDING TO:	
Wailuku P. O.....	3	Makawao.....	7
Makawao.....	11	MAKAWAO, SAYRE'S STORE, TO:	
Hana, through Hamakua.....	45	Summit of Haleakala.....	13
		MAKENA TO:	
		Makee's Plantation.....	3
		ULUPALAKUA TO:	
Kalepolepo.....	10	Hana, via Kaupo.....	45
Makee's Plantation.....	20		
Makawao.....	14		

LATITUDES AND LONGITUDES AS ADOPTED BY THE HAWAIIAN GOVERNMENT SURVEY.

(CORRECTED FOR THE ANNUAL BY PROF. W. D. ALEXANDER.)

STATIONS.	LATITUDES.			LONGITUDES.		
	<i>Deg.</i>	<i>Min.</i>	<i>Sec.</i>	<i>Deg.</i>	<i>Min.</i>	<i>Sec.</i>
Honolulu Transit of Venus Observatory, as determined by Captain Tupman.....	21	17	57.	157	51	48.
Honolulu Light House.....	21	17	54.99	157	52	12.99
Diamond Head Summit.....	21	15	20.59	157	48	52.12
Tantalus, Puu Ohia.....	21	19	43.20	157	49	03.274
Makapuu Station (east point of Oahu).....	21	18	15.57	157	39	20.12
Mokapu Station, Kaneohe.....	21	27	01.07	157	44	04.66
Kahuku Point (northeast point of Oahu).....	21	42	19.207	157	58	59.78
Barber's Point, Laeoa.....	21	17	32.23	158	6	32.39
Puuloa (windmill).....	21	19	11.76	157	58	25.66
Laie Point.....	21	38	40.65	157	55	16.54
Kaena Point (northwest point of Oahu).....	21	34	13.10	158	10	55.576
Haleakala, Station on Summit.....	20	42	35.4	156	15	08.1
Laehaina Court House.....	20	52	3.4	156	40	50.5
Kauiki Point (east point of Maui).....	20	45	1.7	155	59	3.4
Puu Olai, or "Miller's Hill" (south of Makena).....	20	37	56.7	156	27	4.4
Halawa (east end of Molokai).....	21	9	0.8	156	43	44.13
Kahoolawe Summit.....	20	33	39	156	35	21
Kawaihae Light House (approximate).....	20	02	12.5	155	50	5
Mauna Kea, Station on Summit (approximate).....	19	49	16	155	28	16
Halai Station, back of Hilo.....	19	47	44.7	155	5	55
Kailua, Hawaii, Transit of Venus Observatory, as determined by Captain Tupman.....				156	00	40
Waimea, Kauai, Transit of Venus Observatory, as determined by Captain Tupman.....	21	57	12	159	40	10

COMPARATIVE TABLE OF RECEIPTS AND EXPENDITURES, HAWAIIAN ISLANDS, 1878-80 TO 1884-86.

REVENUE.	1878-80.	1880-82.	1882-84.	Estimated 1884-86.
Custom House.....	\$ 582,846	\$ 719,245	\$ 944,638	\$ 954,200
Internal Commerce.....	122,946	141,744	178,149	172,250
Internal Taxes.....	465,252	596,615	680,397	703,500
Fines, Fees, Perquisites, etc.....	190,265	99,986	233,710	198,200
Government Realizations.....	318,527	393,586	374,291	306,500
Government Stocks.....	23,900	.....	668,900	.....
Crown Commissioners.....	.....	.....	12,000	.....
Cash in the Treasury April 1, 1884.....	.....	.....	.....	2,220
Totals.....	\$ 1,703,736	\$ 2,050,276	\$ 3,092,085	\$ 2,336,870

EXPENDITURES.	1878-80.	1880-82.	1882-84.	Estimated 1884-86.
Civil List.....	\$ 65,500	\$ 100,000	\$ 148,500	\$ 127,931
Permanent Settlement.....	15,075	19,512	20,347	22,150
Legislature and Privy Council.....	16,523	19,338	24,942	40,300
Judiciary Department.....	79,667	92,870	115,892	139,059
Department of War.....	67,993	*	.....	.....
Department of Foreign Affairs.....	36,830	129,353	252,641	245,934
Department of Interior.....	656,810	1,204,703	1,824,795	1,818,554
Department of Finance.....	260,057	299,436	319,062	723,887
Department of Attorney-General...	123,664	163,527	266,730	282,720
Bureau of Public Instruction.....	79,605	84,249	91,755	191,720
Miscellaneous.....	93,973	169,608	151,742	† 264,500
Totals.....	\$ 1,495,697	\$ 2,282,596	\$ 3,216,406	\$ 3,856,755

*Merged into Department of Foreign Affairs. † Board of Health.

Table of the Revenues and Expenditures of the Hawaiian Kingdom for each Biennial Period, from 1856-7 to 1884-6.

PERIOD.	RECEIPTS.	EXPENDITURES	DEFICIT.	SURPLUS.
1856-7.....	\$ 639,041 37	\$ 666,788 83	\$ 27,747 46	.....
1858-9.....	655,866 68	643,098 40	.....	\$ 12,768 28
1860-1.....	668,186 56	681,821 48	13,634 92	.....
1862-3.....	688,687 21	666,061 10	.....	22,626 11
1864-5.....	728,817 07	582,341 02	.....	146,476 05
1866-7.....	831,148 98	834,157 55	3,008 57	.....
1868-9.....	834,112 65	934,100 29	99,987 64	.....
1870-1.....	964,956 35	969,784 14	5,827 79	.....
1872-3.....	1,136,523 95	1,192,511 79	55,987 84	.....
1874-6.....	1,008,191 85	919,356 93	.....	88,834 92
1876-8.....	1,151,713 45	1,110,472 90	.....	41,240 55
1878-80.....	1,703,736 00	1,495,697 00	.....	208,039 00
1880-82.....	2,070,256 94	2,282,599 00	212,319 06	.....
1882-84.....	3,092,085 42	3,216,406 05	124,320 63	.....
1884-86*.....	2,336,870 42	3,856,755 00	1,519,884 58	.....

* Estimated.

SELECTIONS FROM CUSTOM HOUSE TABLES, 1884.

Imports Honolulu, Hawaiian Islands.

	VALUE GOODS PAYING DUTY.	VALUE GOODS FREE BY TREATY.	VALUE GOODS IN BOND.	TOTAL.
Ale, Porter, Beer, Cider	\$ 27,496 46		\$ 45,093 85	\$ 72,590 31
Animals and Birds	85 00	\$ 86,946 38		87,031 38
Building Materials	60,916 93	64,175 84	1,800 38	126,893 15
Clothing, Hats, Boots	168,299 84	133,467 56	7,452 23	309,219 63
Crockery, (Glassware, Lamps and Lamp Fixtures	46,457 14		3,134 40	49,591 54
Drugs, Surgical Instruments and Dental Materials	45,869 32		2,312 18	48,181 50
Dry Goods	Cottons	79,216 16	108,908 43	191,102 21
	Linens	13,871 81		14,374 44
	Silks	29,716 62		30,075 78
	Woolens	52,654 59	13,585 04	68,794 20
	Mixtures	18,848 22	3,477 53	27,102 38
Fancy Goods, Millinery, etc.	89,172 50	5,366 73	6,674 11	101,213 39
Fish (dried and salt)	11,135 67	63,609 18	4,781 6	74,751 85
Flour	2,220 24	168,060 67		170,280 91
Fruits (fresh)	712 82	10,743 46		11,456 28
Furniture	53,543 61	40,937 45	2,118 47	96,599 53
Grain and Feed	982 44	183,616 05		184,598 53
Groceries and Provisions	108,282 45	360,906 22	1,740 77	470,929 42
Guns and Gun Materials	6,984 24	2,902 42	1,171 97	11,058 63
Gun Powder	4,382 92			4,382 92
Hardware, Agricultural Implements and Tools	104,311 57	176,716 64	4,963 12	285,991 33
Iron and Steel, etc.	26,858 97	14,502 68	94 96	41,456 61
Jewelry, Plate, Clocks	38,832 75		2,817 05	41,649 80
Leather	790 28	41,342 66		42,132 94
Lumber	50 60	283,851 41		283,902 01
Machinery	62,667 48	144,803 98	3,701 04	211,172 50
Matches	301 36	4,135 01	314 99	4,751 36
Musical Instruments	6,734 10	5,572 24	704 21	13,010 55
Naval Stores	6,982 40	35,377 52	179 36	42,539 28
Oils, (cocoanut, kerosene, whale, etc.)	26,802 00	61,718 54	452 00	88,972 54
Paints and Paint Oils, and Turpentine	30,727 13	2,050 60	782 94	37,560 67
Perfumery and Toilet Articles	9,570 33	2,905 90	507 13	12,983 36
Railroad Materials, Rails, Cars, etc.	20,092 11	78 00		20,170 11
Saddlery, Carriages and Materials	34,117 17	33,452 47	2,827 75	70,397 39
Shooks and Containers	77,338 97	18,783 63	10,586 51	105,709 11
Spirits	4,594 78		136,881 61	141,476 39
Stationery and Books	14,732 25	53,246 60	1,188 38	69,167 23
Tea	22,321 35		100 00	22,421 35
Tin and Tinware and Materials	10,563 68		136 16	10,699 84
Tobaccos, Cigars, etc.	8,600 03	93,657 39	38,198 68	140,456 10
Wines (light)	6,124 81		16,401 77	22,526 58
Sundry Merchandise not included in the above	52,320 40	35,842 02	2,900 33	91,062 75
Charges on Invoices	48,271 30	34,649 32	4,216 61	87,137 23
25% added on Uncertified Invoices	3,080 14			3,080 14
	\$ 1,437,634 94	\$ 2,289,384 59	\$ 310,635 62	\$ 4,037,655 15

Discounts, Damaged and short \$ 58,404 47

3 979,250 68

IMPORTS AT OTHER PORTS, HAWAIIAN ISLANDS.

	VALUE PAYING DUTY.	VALUE FREE BY TREATY.	VALUE IN BOND.	
Kahului	\$ 49,560 32	\$ 203,087 40	\$ 414 00	\$ 253,061 72
Hilo	7,261 45	89,175 14		96,536 59
Mahukona	2,778 42	40,582 96		43,031 38
Kawaihae	16 00	7,258 95		7,274 95
				257,758 90

Value of goods free by Civil Code, at all ports.....

Total Hawaiian Islands..... \$ 4,637,514 22

SPECIF.....(\$1,180,361 54)

SELECTIONS FROM CUSTOM HOUSE TABLES 1884.

Imports Hawaiian Islands, Country from which Imported.

Value of Goods Paying Duty, Imported from	
United States, Pacific Ports.....	\$392,964 68
United States, Atlantic Ports.....	29,676 02
Great Britain.....	610,150 72
Germany.....	184,017 07
Australia and New Zealand.....	18,806 91
China.....	141,333 03
France.....	12,097 86
Islands in the Pacific.....	717 29
Micronesia Islands.....	269 96
Total Honolulu.....	\$1,390,034 54
At Kahului.....	49,560 32
At Hilo.....	7,361 45
At Mahukona.....	2,778 42
At Kawaihae.....	16 00
Total at all Ports.....	\$1,449,750 73

Value of Goods Free by Civil Code from	
United States.....	\$115,818 30
Great Britain.....	53,472 06
Germany.....	28,107 54
Australia and New Zealand.....	42,651 49
Other Countries.....	1,483 85
Specie from the United States,	\$1,180,361 54
Total, Honolulu.....	\$241,623 24
Kahului, from United States..	9,881 76
Hilo, from United States.....	4,992 60
Mahukona, from United States	1,261 30
Total at all Ports.....	\$257,758 90

Value of Goods and Spirits Bonded from	
United States, Pacific Ports.....	\$108,094 65
United States, Atlantic Ports.....	25,253 52
Great Britain.....	105,381 84
Germany.....	13,328 98
Australia and New Zealand.....	10,568 41
China.....	37,828 72
France.....	9,622 73
Total at Honolulu.....	\$310,078 85
At Kahului.....	414 00
Total at all Ports.....	\$310,492 85

Value of Goods Free by "Treaty" from	
United States, Pacific Ports.....	\$1,976,765 33
United States, Atlantic Ports.....	302,371 96
Total, Honolulu.....	\$2,279,137 29
Kahului.....	203,087 40
Hilo.....	89,175 14
Mahukona.....	40,852 96
Kawaihae.....	7,258 95
Total at all Ports.....	\$2,619,511 74

Value of Goods Imported Free.

Animals and Birds.....	\$ 7,101 82
Bags and Containers.....	2,857 96
Coal and Coke.....	71,112 78
Diplomatic Represent'vs (Sundries)..	970 27
Fertilizer and Bone Meal.....	20,221 69
His Majesty (Sundries).....	12,445 89
Hawaiian Government.....	51,817 68
Iron, Steel &c.....	19,768 26
Plants and Seeds.....	822 35
Returned Cargoes.....	1,467 75

Sundries, by Permission.....	30,534 14
Sheathing Metal.....	7,739 44
Sundry Personal & Household Effects	14,763 21
Total at Honolulu.....	\$ 241,623 24
Kahului.....	9,881 76
Hilo.....	4,992 60
Mahukona.....	1,261 30
Total.....	\$ 257,758 90

Customs Receipts.

Import Duties Spirits.....	\$270,574 77
Import Duties Goods.....	174,407 91
Import Duties Bonded Goods.....	38,671 50
Blanks.....	13,637 50
Fees.....	4,123 33
Wharfage.....	21,513 85
Registry.....	213 25
Warehouse Storage.....	1,087 80
Kerosene Storage.....	3,679 15
Coasting License.....	3,678 18
M. H. Fund.....	1,441 35
Storage.....	10,950 49
Lights.....	1,171 67
Interest.....	5,166 31
Hospital Fund.....	9,054 00

Buoys.....	\$ 338 00
Passports.....	2,027 00
Fines and Forfeitures.....	964 85
Esplanade Storage.....	2,517 47
Towage.....	4,165 62
Honolulu.....	\$543,294 00
Kahului.....	7,336 72
Hilo.....	803 11
Mahukona.....	302 76
Total 1884.....	\$551,736 59
Total 1883.....	577,332 87
Decrease 1884.....	\$ 25,596 28

SELECTIONS FROM CUSTOM HOUSE TABLES, 1884.

Table of Principal Domestic Exports, Showing the Country to which Exported.

	Pacific Ports, U.S.	Australia and New Zealand.	Islands in Pacific.	China	South Am. Ports.	Total.
Sugar, lbs.....	142,637,457		17,466			142,654,923
Molasses, galls.....	97,482				13,048	110,530
Paddy, lbs.....	46,224					46,224
Rice, lbs.....	9,487,000	10,000	4,100			9,493,000
Coffee, lbs.....	4,181	50				4,231
Pulu, lbs.....	465					465
Fungus, lbs.....				2,247		2,247
Bananas, bnchs.....	58,040					58,040
Goat Skins, pcs.....	20,125					20,125
Hides, pcs.....	21,026					21,026
Tallow, lbs.....	2,864					2,864
Wool, lbs.....	300,360	107,254				407,623
Betel Leaves, bxs.....	416					416
Calf Skins, pcs.....	117					117
Sheep Skins, pcs.....	8,038					8,038
Dried Bananas, bxs.....	106					106

Domestic Exports.

Sugar, lbs.....	142,654,923	Goat Skins, pcs.....	20,125
Molasses, galls.....	110,530	Hides, pcs.....	21,026
Paddy, lbs.....	46,224	Tallow, lbs.....	2,864
Rice, lbs.....	9,493,000	Wool, lbs.....	407,623
Coffee, lbs.....	4,231	Betel Leaves, bxs.....	416
Pulu, lbs.....	465	Calf Skins, pcs.....	117
Fungus, lbs.....	2,247	Sheep Skins, pcs.....	8,038
Bananas, bnchs.....	58,040	Dried Bananas, bxs.....	106

Total valuation.....\$7,977,908 82.

Total Value Domestic Produce Exported.

Total Value Domestic Produce Exported, Honolulu.....	\$6,524,364 46
Total Value Domestic Produce Exported, Kahului.....	1,286,807 97
Total Value Domestic Produce Exported, Hilo.....	166,736 39
Furnished as Supplies to Merchantmen (as per estimate).....	62,240 00
Furnished as Supplies to National Vessels (as per estimate).....	27,500 00
Total.....	\$8,067,648 82

Total of all Exports, Hawaiian Islands.

Value of Domestic Goods Exported.....	\$7,977,908 82
Value of Domestic Goods Furnished as supplies(estimated).....	89,740 00
Value of Foreign Goods Exported.....	117,273 81
Specie.....(\$671,687.67).....	
Total.....	\$8,184,922 63

Resume, Imports Hawaiian Islands.

United States.....	\$ 3,367,585 76
Great Britain.....	769,004 62
Germany.....	225,543 59
Australia and New Zealand.....	72,026 81
China.....	179,161 75
France.....	21,720 50
Other Countries.....	2,471 10
Total.....	\$ 4,637,514 22

SELECTIONS FROM CUSTOM HOUSE TABLES, 1884
Passengers Statistics, Arrivals and Departures, Port of Honolulu.

FROM AND TO	FROM		TO		CHINESE			
					FROM		TO	
	Adults..	Children	Adults..	Children	Adults..	Children	Adults..	Children
San Francisco.....	862	174	832	238	940	20	54	6
Oregon and Washington Territory.....	8		69	15			1	
Victoria, B. C.....			17	10				
China and Japan.....			3		1730	17	1318	38
Australia and New Zealand.....	79	8	71	12	1			
Islands in the Pacific.....	138	13	185	46				
Atlantic Ports.....	5							
European Ports.....	24	9	10	5				
St. Michaels and Western Islands.....	1110	601						
Totals.....	2226	805	1187	326	2671	37	1373	44
Total arrivals for the year.....				5,739				
Total departures for the year.....				2,930				
Excess of arrivals.....				2,809				


IN TRANSIT—From Australia and New Zealand bound to San Francisco....1175
 From San Francisco bound to Australia and New Zealand..... 906
 From Victoria, B. C., bound to China..... 650
 From China bound to San Francisco..... 101

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**ARTICLES ADMITTED INTO THE UNITED STATES FREE OF DUTY,
 UNDER THE RECIPROCITY TREATY.**

From the Hawaiian Islands, when Properly Certified to before the U. S. Consul, or Consular Agent at the Port of Shipment.

Arrow-root; Bananas; Castor Oil; Hides and Skins, undressed; Pulu; Rice; Seeds, Plants, Shrubs or Trees; Muscovado, Brown, and all other unrefined sugar, commonly known as "Sandwich Island Sugar;" Syrups of Sugar Cane, Melado and Molasses; Taliow; Vegetables, dried and undried, preserved and unpreserved.

 For Full text of the Treaty of Reciprocity with the United States, see Annual for 1877.

For list of articles admitted free under the Treaty from the United States, see page 8.

BEARINGS AND DISTANCES.

Honolulu Lighthouse to summit of Diamond Head, S. 50° 37' 40", E. (true) 24,559 feet.

Puuhia to Diamond Head Station, S. 2° 15' 30" E. (true) 26, 515 feet.

Haleakala to Mauna Kea, S. 39° 23' 30" E. (true) 79.2 statute miles.

Average Magnetic Declination south part of Oahu, 9° 55' E., A. D. 1885.

COMPARATIVE TABLE OF LEADING IMPORTS OF HAWAIIAN ISLANDS.

For Alternate Years 1876-1884.

	1876.	1878.	1880.	1882.	1884.
Ale, Porter, Beer, Cider	\$19,792 34	\$20,548 31	\$36,159 40	\$36,414 06	\$72,590 31
Animals and Birds	261 40	18,690 85	81,583 85	74,622 69	94,133 20
Building Materials	21,596 39	107,042 33	82,287 85	85,395 82	126,893 15
Clothing, Hats, Boots	176,188 41	208,596 63	226,109 96	344,078 87	309,219 63
Crockery, and Glassware	14,127 61	17,991 70	25,841 31	36,773 63	49,591 54
Drugs and Medicines	17,029 59	17,945 27	27,818 08	46,000 41	48,181 50
Dry Goods - Cottons	167,451 47	165,159 13	151,134 60	261,015 66	191,102 21
Linen	9,163 62	8,918 96	13,318 40	20,876 22	14,374 44
Silks	12,712 18	23,270 96	25,638 25	35,475 30	30,075 78
Woolens	40,867 99	70,402 77	50,375 73	115,520 29	68,794 20
Mixtures	25,321 31	37,737 81	32,889 44	28,110 30	27,102 38
Fancy Goods, Millinery, etc	53,118 81	53,752 01	66,637 71	116,503 98	101,213 39
Fish (dry and salt)	17,891 81	47,206 95	35,276 72	65,701 27	74,751 85
Flour	54,907 89	102,728 97	100,888 17	121,453 33	170,280 91
Fruits (fresh)	2,030 97	3,443 28	4,151 50	6,347 68	11,456 28
Furniture	27,662 93	49,482 22	73,345 83	124,033 20	96,599 53
Furs and Ivory	2,696 73	1,936 30			
Grain and Feed	14,513 39	34,695 61	73,951 15	171,525 52	184,598 53
Groceries and Provisions	90,466 12	269,573 50	379,794 40	453,161 39	470,929 42
Guns and Gun Materials	5,529 61	10,475 91	12,910 78	13,590 08	11,058 63
Gun Powder	2,714 35	3,514 39	5,317 31	7,038 54	4,382 92
Hardware, Agr. Implements & Tools &c	105,828 18	210,299 58	215,088 33	275,328 87	285,991 33
Iron, Steel, etc	20,878 35	56,654 20	34,841 78	62,797 39	61,224 87
Jewelry, Plate, Clocks	24,032 41	34,925 99	74,447 42	90,936 22	41,649 80
Leather	8,626 61	20,965 39	27,586 29	44,670 47	42,132 94
Lumber	98,322 24	222,252 71	221,212 18	248,557 23	283,902 01
Machinery	37,331 54	417,297 32	250,124 70	182,537 47	211,172 50
Matches	5,513 83	4,459 11	8,194 28	12,838 97	4,751 36
Musical Instruments	8,492 94	10,389 39	11,924 67	19,706 12	13,010 55
Naval Stores	35,587 28	58,414 47	67,498 39	73,882 16	42,539 28
Oils (co'nut, kerosene, whale, etc.)	78,681 18	97,686 51	75,882 03	105,661 33	88,972 54
Paint, Paint Oils & Turpentine	13,548 03	23,803 16	40,709 56	30,824 29	33,560 67
Perfumery and Toilet Articles	13,024 56	11,057 36	13,651 61	17,090 89	12,983 36
Saddlery, Carriages, etc	34,536 95	76,441 86	74,486 69	81,261 43	70,397 39
Shooks and Containers	53,948 90	50,198 70	72,257 95	62,909 20	106,709 11
Spirits	31,944 91	50,166 61	81,132 34	81,440 52	141,476 39
Stationery and Books	31,429 81	29,928 07	45,829 24	69,278 93	69,167 23
Tea	7,228 22	20,415 51	14,237 84	26,664 42	22,421 35
Tin and Tinware	5,914 87	5,474 86	6,296 80	12,536 21	10,699 84
Tobacco, Cigars, etc	57,475 03	68,018 71	106,111 90	138,810 77	140,456 10
Whalebone	38,134 50	15,760 06			
Wines (light)	9,475 87	6,294 18	10,727 68	12,925 07	22,526 58

AVERAGE MONTHLY METEOROLOGICAL TABLE, HONOLULU, FROM

1873 to 1877, inclusive.

	1873.			1874.			1875.			1876.			1877.		
	Bar..	Ther..	Rain..	Bar..	Ther..	Rain..	Bar..	Ther..	Rain..	Bar..	Ther..	Rain..	Bar..	Ther..	Rain..
January	30.08	74½	1.98	29.93	73	6.09	29.96	72	4.45	30.00	75	3.73	30.08	71½	3.24
February	30.07	73½	5.15	29.88	73	6.75	29.91	73	2.92	30.09	76	4.73	30.08	72½	2.90
March	30.09	74½	8.89	29.97	75	4.40	30.02	75	3.86	30.86	75½	6.43	30.05	72½	0.94
April	30.08	76	1.25	30.02	74	3.24	30.02	74	4.22	30.11	75	3.58	30.19	73½	3.41
May	30.05	79½	0.27	30.04	77	1.75	30.04	78	4.16	30.20	77	5.87	30.09	74½	7.27
June	30.05	80	1.27	29.96	78	1.60	29.97	78½	2.44	30.13	78	1.07	30.13	76½	1.14
July	30.05	80½	0.58	29.95	80	1.35	29.96	80	0.95	30.17	79	1.42	30.13	76½	2.27
August	30.06	81	0.07	29.95	80½	0.20	29.95	81	1.09	30.08	76½	2.58	30.11	76½	1.19
September	30.00	81	0.05	30.01	79	1.02	29.94	79	3.11	30.03	78½	0.51	30.10	76	2.64
October	30.03	78	0.33	30.00	77	2.20	29.97	77	0.95	30.05	78	0.37	30.09	76½	1.63
November	30.04	76	6.05	29.91	67	5.84	29.95	79	4.45	30.01	77	3.35	30.11	76½	2.24
December	30.01	75	11.96	30.00	62	5.75	30.00	74	4.46	30.06	75½	2.22	30.08	74	3.43

Comparative View of the Commerce of the Hawaiian Islands from 1846, giving the Totals for Each Year.

Year.	Imports.	Exports.	Domestic Prod. Exported.	Foreign Prod. Exported.	Total Custom House Receipts.	Transhipment of Oil and Bone.			Natl. Vess'l. No.	Shipping.			Spirits. Gallons Consumed	Haw. Registered Vessels.		
						Galls. Spm. Oil.	Galls. Wh. Oil.	Lbs. Wh. Bone.		Mer. Vessels.		Wh'lrs. No.		No.	Tons.	
										No.	Tons.					No.	Tons.
1846	\$598,382	\$682,850	\$620,525	\$62,325	\$36,506				17	53		167		28	1,578	
1847	710,138	264,276	200,018	55,208	48,801				4	67		167	3,271	67	2,160	
1848	605,618	300,370	266,819	33,551	55,568				7	90		254	3,443	78	2,873	
1849	729,739	383,185	185,083	198,202	83,231				12	180		274	5,718			
1850	1,035,058	783,052	536,522	246,529	121,506				12	469	90,304	237	8,251	80	3,539	
1851	1,823,821	691,231	381,401	311,802	160,602	104,362	909,379	901,604	11	7	446	87,920	220	11,270	75	4,460
1852	759,868	638,393	257,251	381,142	113,001	173,490	1,182,738	3,159,951	3	235	61,065	519	14,148	69	4,432	
1853	1,401,975	472,996	281,599	191,397	155,650	175,396	3,787,348	2,020,264	7	211	59,451	535	18,203	56	3,827	
1854	1,590,837	585,122	274,029	311,092	152,125	156,484	1,683,922	1,479,678	16	725	47,288	525	17,537	54	6,271	
1855	1,383,169	572,601	274,741	297,859	158,411	109,308	1,436,810	872,954	13	154	51,304	468	18,528	45	4,831	
1856	1,151,422	670,826	466,278	204,545	123,171	121,294	1,641,579	1,074,942	9	123	42,213	366	14,779	48	4,718	
1857	1,130,165	645,524	423,308	222,222	140,777	176,306	2,018,027	1,295,525	10	82	26,817	387	16,144	54	5,795	
1858	1,089,660	787,082	529,966	257,115	166,138	222,464	2,551,382	1,614,710	10	115	45,875	526	14,337	53	5,249	
1859	1,555,538	931,329	628,575	302,754	132,129	156,360	1,668,175	1,147,120	5	139	59,241	549	14,158	65	6,366	
1860	1,223,749	807,459	480,526	326,932	117,302	47,859	782,086	571,966	10	117	41,226	325	14,295	68	6,933	
1861	761,109	659,774	476,872	182,901	100,115	20,435	795,988	527,920	7	93	45,952	190	9,676	53	5,848	
1862	998,239	838,424	586,541	251,882	107,490	12,522	460,407	193,920	6	113	48,687	73	8,940	58	6,645	
1863	1,175,493	1,025,852	744,413	281,439	122,752	56,687	675,344	337,043	6	88	42,930	102	7,862	44	5,497	
1864	1,712,241	1,662,181	1,113,328	548,852	159,116	33,860	608,502	339,331	8	157	75,893	130	10,237	56	7,895	
1865	1,946,265	1,808,257	1,521,211	287,045	192,566	42,841	578,593	337,394	7	151	67,068	180	11,745	65	10,170	
1866	1,993,821	1,934,821	1,205,821	428,755	251,047	118,961	1,250,905	611,178	3	150	60,628	229	12,833	74	11,664	
1867	1,957,410	1,679,661	1,324,122	355,539	220,599	103,215	821,929	405,140	11	134	60,268	243	15,119	77	11,456	
1868	1,931,790	1,898,215	1,450,269	447,946	210,076	106,778	774,913	596,043	7	113	54,833	153	16,030	63	9,793	
1869	2,040,068	2,336,358	1,743,291	623,067	215,798	157,690	1,698,189	627,770	6	127	75,656	102	17,016	61	10,528	
1870	1,930,127	2,144,942	1,514,425	630,517	223,815	105,234	1,443,809	632,905	16	159	91,248	118	19,948	64	10,855	
1871	1,625,184	1,892,069	1,733,094	158,974	221,332	63,310	283,055	29,362	9	171	105,993	47	18,817	57	8,068	
1872	1,746,178	1,607,521	1,402,685	204,836	228,375	50,887	32,974	81,998	7	146	98,647	47	18,843	54	6,407	
1873	1,437,611	2,128,054	1,725,507	402,547	189,655	56,687	573,697	122,554	12	109	62,767	63	21,212	58	8,561	
1874	1,310,827	1,839,619	1,622,455	217,164	183,857	23,187	403,876	174,111	13	120	71,266	43	18,466	54	8,101	
1875	1,505,670	2,089,736	1,774,083	254,353	213,447	37,812	312,305	104,715	22	120	93,110	41	21,131	51	7,376	
1876	1,811,770	2,241,041	2,055,133	185,908	199,036				14	141	108,706	37	19,707	45	6,753	
1877	2,554,356	3,676,202	2,462,417	213,786	230,499				17	168	116,621	33	24,223	54	8,994	
1878	3,046,370	3,548,472	3,333,979	214,492	284,426				11	232	163,640	27	36,360	55	7,949	
1879	3,742,978	3,781,718	3,665,504	116,214	359,671				6	251	151,576	25	43,166	63	10,023	
1880	3,673,268	4,968,445	4,880,194	79,251	402,182				15	239	141,916	16	44,289	63	10,149	
1881	4,547,979	6,855,436	6,789,076	66,360	423,192				13	258	159,341	19	46,085	60	9,338	
1882	4,974,510	8,299,017	8,165,931	133,085	505,391				6	258	172,619	32	50,064	60	9,351	
1883	5,624,240	8,133,344	8,036,227	97,117	577,333				13	267	185,316	18	61,272	64	11,589	
1884	4,637,514	8,184,923	8,067,649	117,274	551,737				11	241	187,826	23	70,160	53	9,826	

NOTE.—Where blanks occur in the earlier years, there was either no record or the figures, when given were unreliable. The first transhipment of Oil and Bone was in 1851, so far as any record can be found for statistical purposes.

COMPARATIVE TABLE OF PRINCIPAL ARTICLES OF EXPORT, 1860-1884.

YEAR	LBS. SUGAR.	GALLS MOLSS'S	LBS. RICE.	LBS. PADDY.	LBS. COFFEE	PCS. HIDES	LBS. TAL'OW	GOAT SKINS.	LBS. WOOL.	LBS. PULU.	LBS. FUNGUS	TONS SALT.	BUNCH'S BANAN'S	TOTAL VAL. ALL DOM. EXPORTS
1860	1,144,271	108,613	.....	.....	48,966	19,964	84,957	37,298	70,524	649,204	178,794	884	.....	\$ 349,926,54
1861	2,562,498	128,259	.....	.....	45,366	7,463	233,100	21,945	119,927	530,835	278,330	762	.....	404,172,74
1862	3,005,603	130,445	111,008	812,176	146,463	15,461	242,942	53,076	40,368	738,064	301,417	598	121	532,949,87
1863	5,292,121	114,413	123,451	598,291	133,171	16,366	282,640	43,646	233,163	425,081	279,158	656	60	678,213,54
1864	10,414,441	340,436	319,835	105,320	50,083	12,049	189,700	32,333	196,667	643,437	368,835	729	1,940	970,228,81
1865	15,318,097	542,819	154,257	.....	310,799	3,849	186,490	54,988	144,085	221,206	223,979	120	1,211	1,430,211,82
1866	17,729,161	851,795	435,367	.....	93,682	8,331	159,731	76,115	73,131	212,026	120,342	739	1,771	1,396,621,61
1867	17,127,187	544,994	441,750	572,099	127,546	11,207	60,936	51,889	409,471	203,958	167,666	107	2,913	1,205,622,02
1868	18,312,926	492,839	40,450	862,954	78,373	11,144	109,504	57,670	258,914	342,882	76,781	540	3,966	1,340,469,26
1869	18,302,110	338,311	48,830	1,586,959	340,841	12,803	85,937	62,736	218,752	622,998	85,215	1,152	6,936	1,639,091,59
1870	18,783,639	216,662	152,068	535,453	415,111	13,095	90,388	67,463	234,696	233,803	41,966	2,513	4,007	1,403,025,06
1871	21,760,773	271,291	417,011	867,452	46,926	19,384	185,240	58,900	471,706	292,720	37,475	711	3,876	1,656,644,46
1872	16,995,402	192,105	455,121	894,582	39,276	27,066	493,978	53,598	288,526	421,227	32,161	522	4,520	1,345,585,38
1873	23,129,101	146,459	941,438	507,945	262,025	20,677	609,855	66,702	329,507	412,823	57,538	445	6,402	1,661,407,78
1874	24,566,611	90,060	1,187,986	439,157	75,496	22,620	125,596	71,955	399,926	418,320	50,955	730 1/4	6,494	1,555,355,37
1875	25,080,182	93,722	1,573,739	556,495	165,977	22,777	851,920	60,598	565,469	379,003	45,098	96	10,518	1,774,082,91
1876	26,072,429	130,073	2,259,324	1,542,603	153,667	11,105	327,291	45,265	405,542	314,432	35,893	5	14,982	1,994,833,55
1877	25,575,965	151,462	2,691,370	2,571,987	101,345	22,164	369,829	51,551	385,703	150,586	11,629	322	15,995	2,363,866,66
1878	38,431,458	93,136	2,767,768	2,784,861	127,963	25,309	239,941	64,525	522,757	212,740	22,364	180 1/4	13,431	3,333,979,49
1879	49,020,972	87,475	4,792,813	38,815	74,275	24,885	.....	24,940	464,308	137,001	2,571	50	12,369	3,665,503,76
1880	63,584,871	198,355	6,469,840	.....	99,508	22,945	19,169	31,013	381,316	44,846	14,801	14 1/2	19,164	4,889,194,40
1881	93,789,483	263,587	7,682,700	102,370	18,912	21,972	118,031	21,308	528,489	53,415	4,282	302	20,776	6,789,076,38
1882	114,177,938	221,293	12,169,475	459,633	8,131	26,007	77,898	23,402	528,913	.....	2,111	.....	28,848	8,165,931,34
1883	114,107,155	193,997	11,619,000	1,368,705	16,057	38,955	32,252	24,798	318,271	.....	3,783	.....	44,902	8,036,227,11
1884	142,654,923	110,530	9,493,000	46,224	4,231	21,026	2,864	20,125	407,623	465	2,247	.....	58,040	8,067,648,82
*1885	121,873,375	27,526	3,384,853	.....	1,375	10,191	.....	9,802	71,639	.....	.....	.....	29,847	6,124,625,35

*Six months to July 1st.

Comparative Table of Import Values at the Hawaiian Islands, from Various Countries since 1876.

COUNTRIES.	CLASS OF IMPORTS.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.
United States.....	Dutiable.	\$688,733 11	\$583,119 02	\$322,240 17	\$395,690 08	\$506,812 90	\$476,275 81	\$629,604 77	\$722,228 81	\$422,641 70
	Bonded.	82,673 91	81,402 93	111,498 79	78,206 68	138,453 13	118,177 94	140,352 82	156,242 28	133,348 17
	Free.	343,830 95	1,100,642 52	1,619,987 61	1,820,355 33	2,026,557 90	2,646,577 12	2,788,974 63	3,169,415 70	2,279,137 29
Great Britain.....	Dutiable.	60,550 47	249,880 87	514,404 34	798,261 17	577,061 14	726,631 23	730,389 16	822,001 01	610,150 72
	Bonded.	22,800 13	41,825 28	34,711 30	43,683 98	45,005 73	145,223 52	68,374 30	117,293 73	105,381 84
	Dutiable.	199,184 96	193,324 38	99,442 20	185,867 69	44,777 17	105,268 94	166,357 52	191,793 03	184,017 07
Germany.....	Bonded.	15,389 27	8,824 96	20,304 25	4,876 06	3,911 82	28,444 29	18,832 05	24,538 85	13,328 98
	Dutiable.	401 61	157 50	1,053 47	869 56					
	Bonded.	1,779 14	112 00							
Tahiti.....	Dutiable.	14,926 34	4,872 10	29,838 80	11,102 20		28 37			
	Bonded.	861 64								
	Dutiable.	37,930 56	54,046 66	42,081 27	65,922 73	51,725 46	44,163 32	30,004 99	32,266 93	18,806 91
Australia and N.Z.....	Bonded.	5,589 61	22,591 75	10,595 32	11,428 31	9,868 04	6,365 46	3,204 05	5,945 50	10,568 41
	Dutiable.	48,347 53	30,772 98	57,946 80	86,443 43	86,690 46	58,753 79	112,527 95	50,396 77	141,333 03
	Bonded.	2,969 25	1,346 55	25,846 31	39,459 97	34,528 80	18,329 00	26,309 52	19,696 64	37,828 72
France.....	Dutiable.			19,078 81	26,256 94	15,112 81	18,081 71	15,789 06	23,603 34	12,097 86
	Bonded.				7,597 11	1,712 34	6,179 41	2,423 24	7,331 01	9,622 73
	Dutiable.	503 87	897 95	1,566 85	3,502 30	18,341 66	2,593 56	1,727 26	808 05	987 25
All other countries.	Bonded.	31,540 77	54,321 83	23,102 59	1,897 87	1,093 69	1,606 60	510 56	230 00	

Nationality of Vessels Employed in the Foreign Carrying Trade of the Hawaiian Islands, 1875-1884.

Nation.	1875.		1876.		1877.		1878.		1879.		1880.		1881.		1882.		1883.		1884.	
	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.
American.....	74	41,350	90	75,639	127	81,417	156	102,621	177	99,102	179	99,614	181	102,308	179	103,591	195	117,952	191	135,618
Hawaiian.....	16	4,901	18	5,981	31	9,496	27	8,102	22	5,950	18	5,373	20	5,765	19	5,613	23	7,867	29	41,398
British.....	35	44,425	22	22,748	22	26,292	30	34,836	28	37,363	26	31,201	32	35,302	44	56,025	42	53,310	11	3,672
German.....	3	1,286	3	1,499	2	797	3	2,408	8	6,136	3	2,138	10	7,709	11	5,716	6	4,882	4	2,959
French.....			3	1,586	3	986	4	2,558	3	981			1	535	1	244			4	3,225
All others.....	4	1,148	5	1,253	6	1,919	12	13,115	13	2,044	13	3,590	14	7,731	4	1,430	1	1,305	2	954
Totals.....	132	93,110	141	108,706	181	120,907	232	163,640	251	151,576	249	141,916	258	159,341	258	172,601	267	185,316	241	187,826

HAWAIIAN REGISTERED VESSELS.

MERCHANTMEN AND TRADERS.

REGISTER.	CLASS.	NAME.	TONS.	REGISTERED OWNERS.
161	do	Schr Kapiolani.....	10 78.95	Pacific Nav Co
175	do	Bark Iolani.....	924 76.95	H Hackfeld
193	do	Bark Kaiakaua.....	404 89.95	J S Walker
208	do	Schr Malolo.....	133 65.95	Pacific Nav Co
209	do	Schr Gen. Seigel.....	39 12.95	J F Colburn
216	do	Schr Jennie Walker.....	137 85.95	William Greig
226	do	Brig Ninito.....	245 7.95	H R Macfarlane
237	do	Brig Hazard.....	459 16.95	Pacific Nav Co
235	do	Bark Lily Grace.....	750 30.95	Robt Gray
239	do	Bark Thos. R. Foster.....	107 79.95	J Campbell, C Brewer & Co, T R Foster,
249	do	Brig Allie Rowe.....	337 47	E C Rowe
252	do	Schr Ke Au Hou.....	45 12	Pacific Nav Co

[A C Cooke

COASTERS.

REGISTER.	CLASS.	NAME.	TONS.	REGISTERED OWNERS.
211	new	Schr Kaluna.....	86 44 95	Pacific Nav Co
166	do	Schr Nettie Merrill.....	158 77.95	Paul Isenberg
174	do	Schr Caterina Apiani Long.....	43 85.45	Allen & Robertson
158	do	Schr Ka Moi.....	154 16.95	Pacific Nav Co
177	do	Stmr Likelike.....	596 58.95	Pacific Nav Co
179	do	Schr Leahy.....	103 24.95	Wildier Steamship Co
180	do	Schr Waiilele.....	75 85.95	Allen & Robinson
155	do	Schr Mile Morris.....	22 32.95	Pacific Nav Co
183	do	Schr Haleakala.....	116 75.95	F Wundenberg
185	do	Schr Mary E. Foster.....	116 06.95	C Afong
186	do	Schr Waioli.....	65 68.95	Inter Island S N Co
188	do	Schr Waiehu.....	60 37.65	Pacific Nav Co
190	do	Stmr Kilauea Hou.....	271 10.95	Wildier Steamship Co
194	do	Schr Waimalu.....	95 97.95	Pacific Nav Co
195	do	Stmr Waimanalo.....	49 81.95	Waimanalo Sugar Company
196	do	Stmr Mokoli.....	96 78.95	Wildier Steamship Co
197	do	Schr Liholiho.....	122 35.95	Inter Island S N Co
200	do	Schr Luka.....	122 35.95	Allen & Robinson and Mrs J G Dickson
204	do	Stmr Lehua.....	217 91.95	Wildier Steamship Co
205	do	Schr Mokuola.....	17 10.95	Tong Aki
207	do	Stmr James Makee.....	244 15.95	Inter Island S N Co
215	do	Schr Kauikeaouli.....	139 70.95	Allen & Robinson
218	do	Stmr C R Bishop.....	281 36.95	Inter Island S N Co
219	do	Schr Mana.....	107 10.95	Pacific Nav Co
213	do	Schr Sarah.....	6 21.05	N Kanaauao
224	do	Stmr Iwalani.....	434 40.95	Inter Island S N Co
220	do	Schr Josephine.....	8 88.95	F Wundenberg
230	do	Schr Emma.....	22 80.95	G W and H R Macfarlane
232	do	Schr Ehukai.....	45 35.95	Pacific Nav Co
236	do	Sloop Kahihilani.....	11 45.05	W F Williams
230	do	Sloop Healani.....	9 67.95	C H Judd
244	do	Schr Rainbow.....	23 73.95	J Paiko
241	do	Schr Mamo.....	7 25.95	J Stubblebeen
242	do	Stmr Planter.....	500 20.95	Inter Island S N Co
243	do	Stmr Kinau.....	868 77.95	Wildier Steamship Co
245	do	Stmr Kapiolani.....	24 24.95	Paul Isenberg
247	do	Stmr W G Hall.....	590 09.95	Inter Island S N Co
248	do	Schr Sarah & Eliza.....	22 78.95	W F Williams
244	do	Schr Kawaiiani.....	41 87.95	O Kalua
41	do	Schr Rob Roy.....	25 38.95	J I Dowsett, Sr
250	do	Schr Kalamanu.....	127 35	S. C. Allen
251	do	Stmr J. I. Dowsett.....	131 35	F. W. Wundenberg
253	do	Schr Domitila.....	73 25	Joseph Paiko

TABLE OF ELEVATIONS OF PRINCIPAL LOCALITIES THROUGHOUT THE ISLANDS.

From the Records of the Government Survey. Measurements are from Mean Sea Level.

OAHU PEAKS.

F.E.E.T.	F.E.E.T.		
Kaala.....	4030	Telegraph Hill or Kaimuki.....	292
Palikea, Waianae M'nts.....	3111	Koko Head, higher crater.....	1206
Komahuanui Peak, S. of Pali....	3106	Koko Head, lower crater.....	644
Lanihuli Peak, N. of Pali.....	2780	Makapuu, east point of island....	665
Tantalus or Puu Ohia.....	2013	Mokapu, crater off Kaneohe.....	696
Olympus, above Manoa.....	2447	Olamana, sharp peak in Kailua....	1643
Round Top or Ualakaa.....	1049	Maelieli, sharp peak in Heeia....	713
Punchbowl Hill or Puowaina....	498.5	Ohulehule, sharp peak in Hakipuu.	2263
Diamond Head or Leahi.....	762		

LOCALITIES NEAR HONOLULU.

Nuuanu Road, corner School Street.....	40
Nuuanu Road, second bridge.....	77
Nuuanu Road, corner Judd Street.....	137
Nuuanu Road, cemetery gate.....	162
Nuuanu Road, mausoleum gate.....	206
Nuuanu Road, Schaefer's gate.....	238
Nuuanu Road, Queen Emma's.....	358
Nuuanu Road, Woodlawn Dairy corner.....	429
Nuuanu Road, large bridge.....	715
Nuuanu Road, Luakaha gate.....	847
Nuuanu Road, Pali.....	1207

MAUI.

F.E.E.T.	F.E.E.T.		
Haleakala.....	10032	Haleakala School.....	2150
West Maui, about.....	5820	Puu Nianiau, Makawao.....	6850
Piiholo, Makawao.....	2256	Puu Kapuai, Hamakua.....	1150
Puu Io, near Capt. Makee's.....	2841	Puu o Umi, Haiku.....	629
Capt. Makee's, about.....	1800	Puu Pane, Kula.....	2568
Puu Olai, (Miller's Hill).....	355	Lahainaluna Seminary.....	600
Makawao Female Seminary.....	1900	Kauiki, Hana.....	392
Grove Ranch, Makawao.....	981	Paia, Makawao.....	930

HAWAII.

F.E.E.T.	F.E.E.T.		
Mauna Kea.....	13805	Waimanu in mountain.....	4000
Mauna Loa.....	13610	Hiilawe Falls.....	1700
Hualalai.....	8275	Parker's, Mana.....	3505
Kohala Mountain.....	5505	Honokaa Store.....	1100
Kilauea Volcano House.....	4040	Lower edge forest, Hamakua.....	1700
Kulani, near Kilauea.....	5650	Lower edge forest, Hilo.....	1200
Kalaieha.....	6450	Laupahoehoe Pali.....	385
Aahuwela, near Laumaia.....	7750	Maulua Pali.....	406
Hitchcock's Puakala.....	6325	Kauku Hill.....	1964
Ahumo'a.....	7035	Puu Alala.....	762
Waimea Court House.....	2669.6	Halai Hill.....	345
Waipio Pali, on N. side.....	1200	Puu o Nale, Kohala.....	1797
Waipio Pali, on S. (Road).....	900	E. Bond's, Kohala.....	585
Waipio Pali, in mountain.....	3000	Anglican Church, Kainaliu.....	1578
Waimanu, at sea.....	1600		

HAWAIIAN ISLANDS POSTAL SERVICE.

General Post Office, Honolulu, Oahu—H. M. Whitney, P. M. G.; I. B. Peterson, Asst. P. M. G.; Assistants—D. Manaku, N. C. Willfong, Miss A. L. Fillebrown, W. Johnson, O. C. Swain, G. L. Desha, Kalaeloa.

POSTMASTERS ON OAHU.

Waialua	S. N. Emerson	Kaneohe	A. Ku
Waianae	H. A. Widemann	Punaluu	J. W. Kaapuu

OVERLAND MAIL ROUTE, OAHU.

Leaves Honolulu at 10 A. M. on Wednesday, each week, for the circuit of the Island, arriving back Friday morning. For Waianae, mail carrier leaves every Tuesday, at 10 A. M. Steamer James Makee takes a mail for Waianae and Waialua every Friday or Saturday.

POSTMASTER ON MOLOKAI.

Kaunakakai	R. W. Meyer	Pukoo	R. W. Meyer
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POSTMASTER ON LANAI.

Lanai	Jesse Moorehead
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POSTMASTERS ON KAUAI.

Kapaa	G. H. Dole	Hanalei	J. C. Long
Kilauea	R. A. McFie	Lihue	O. Scholz
Kekaha	W. Meier	Koloa	E. Strehz
Waimea			Mrs. G. B. Rowell

POSTMASTERS ON MAUI.

Lahaina	H. Turton	Kipahulu	Thos. K. Clark
Wailuku	E. H. Bailey	Kahului	W. J. Lowrie
Makawao	Jas. Anderson	Paia	C. H. Dickey
Hana	John Grunwald	Haiku	H. P. Baldwin
Hamao	L. J. Lionarons	Hamakuapoko	C. H. Wallace
Ulupalakua	J. J. Halstead	Honokowai	J. A. Kaukau
Spreckelsville	G. C. Williams	Honokohau	L. K. Kalama

POSTMASTERS ON HAWAII.

Hilo	L. Severance	Hakalau	J. F. Morrison
Kawaihae	John Stuppelbeen	Honokaa	G. W. Willfong
Mahukona	Thos. E. Wright	Ookala	J. N. Wright
Kukuihaele	W. Horner	Paauhau	R. A. Lyman
Waipio	W. H. Holmes	Kailua	J. Kaelemakule
Waimea	Rev. L. Lyons	Keauhou	J. G. Hoapili
Kohala, Halawa	H. P. Wood	Kealakekua	H. N. Greenwell
Kohala, Puehuehu	H. P. Wood	Napoopoo	S. W. Kino
Paauiilo	Chas. Notley	Hoopuloa	D. S. Keliikuli
Hookena	D. H. Nahinu	Pahala	T. C. Wills
Laupahoehoe Plantation	J. M. Lydgate	Hilea and Honuapo	C. N. Spencer
Laupahoehoe Beach	O. Masche	Waioh:nu	C. Meinecke

OVERLAND MAIL ROUTES, MAUI.

From Lahaina to Wailluku, Makawao, Haiku and Ulupalakua—on Tuesdays or Wednesdays.

From Lahaina to Kaanapali and Kahakuloa, weekly, on arrival of steamer from Honolulu.

From Ulupalakua to Hana, weekly, on arrival of mails from Honolulu.

From Haiku to Hana, weekly, on arrival of steamer mails.

From Kahului to Makawao and Haiku, weekly, on arrival of steamer mails.

Steamer Likelike leaves Honolulu every Monday or Tuesday for Kahului, Huelo, Hana, Kipahulu and Kaupo.

OVERLAND MAIL ROUTES, HAWAII.

From Hilo to Kawaihae, leaves weekly, on Monday, and to Kau, Wednesday or Thursday, on arrival of steamer from Honolulu.

From Kau to Kona, leaves weekly, on Monday morning.

From Kawaihae to Kona and Kau, leaves on arrival of steamer from Honolulu, Wednesday or Thursday.

This mail service around Hawaii is intended to be a *weekly* service of the circuit of the Island.



POST OFFICE STATISTICS.

Letters Passing Through the General Post-Office, Honolulu, from 1864 to 1885

YEAR. From April 1 to March 31.	INTER-ISLAND LETTERS.				FOREIGN LETTERS.	
	FOREIGNERS.		HAWAIIANS.		Letters Received.	Letters Forwarded.
	Letters Received.	Letters Forwarded.	Letters Received.	Letters Forwarded.	Letters Received.	Letters Forwarded.
1864 to 1865.....	15,594	13,652	7,650	9,570	.....	.....
1865 to 1866.....	21,642	14,886	14,379	16,078	.....	.....
1866 to 1867.....	23,282	16,607	30,082	22,821	.....	.....
1867 to 1868.....	25,873	19,013	23,733	25,535	.....	.....
1868 to 1869.....	27,543	19,547	25,920	25,986	.....	.....
1869 to 1870.....	27,433	19,806	25,233	24,499	.....	.....
1870 to 1871.....	29,147	19,118	28,596	28,091.	25,811	24,994
1871 to 1872.....	24,655	23,333	26,364	35,715	26,772	23,713
1872 to 1873.....	27,717	24,199	41,662	41,340	25,020	25,895
1873 to 1874.....	38,313	25,007	45,816	44,233	26,679	25,481
1874 to 1875.....	35,545	23,488	39,232	39,027	26,112	28,737
1875 to 1876.....	38,166	23,564	35,030	44,233	31,742	31,650
1876 to 1877.....	36,349	29,558	32,250	49,977	33,244	35,780
1877 to 1878.....	42,409	37,094	33,472	52,181	42,465	44,505
1878 to 1879.....	57,907	47,957	43,605	67,153	45,682	43,372
1879 to 1880.....	72,953	63,936	46,496	69,489	50,352	57,209
1880 to 1881.....	85,649	76,255	55,170	83,757	70,682	69,375
1881 to 1882.....	102,559	106,374	64,487	85,858	77,461	83,724
1882 to 1883.....	114,056	130,992	75,113	100,936	95,765	101,644
1883 to 1884.....	121,391	138,080	72,971	108,736	117,901	130,292
1884 to 1885.....	123,061	152,145	66,442	98,810	136,642	132,153
*1882.....	110,734	130,199	74,272	99,806	80,509	96,482
1883.....	119,896	133,215	75,912	108,327	108,985	120,063
1884.....	128,970	152,466	70,511	100,670	136,953	146,666

*Since 1882, the official record of the Postoffice has been kept from January 1 to December 31, to conform with the Postal Union requirements.

CLIPPER PASSAGES TO AND FROM THE COAST.

The following is a list of the most remarkable passages between these Islands and San Francisco and other ports on the Coast during the last twenty-eight years :

- 1858—Am. bark Yankee, 11 days to San Francisco.
 1859—Am. ship Black Hawk, 9 days and 9 hours from San Francisco.
 1861—Am. ship Fair Wind, 8 days and 17½ hours from San Francisco.
 1861—Am. ship Norwester, 9 days and 16 hours from San Francisco.
 1861—Am. bark Comet, 9 days and 20 hours from San Francisco.
 1861—Am. bark Comet, 10 days and 12 hours to San Francisco.
 1862—Am. ship Storm King, 9 days and 10 hours from San Francisco.
 1864—Am. ship Matapan, 10½ days from San Francisco.
 1864—Am. bark A. A. Eldridge, 11 days to San Francisco.
 1866—Am. bark Ethan Allen, 11 days to San Francisco.
 1878—Am. barkentine J. A. Falkinburg, 11 days to Astoria.
 1879—Am. barkentine Catherine Sudden, 9 days and 17 hours to Cape Flattery.
 1879—Am. schooner Claus Spreckels, 9½ days from San Francisco to Kahului.
 1880—Am. schooner Jessie Nickerson, 10 days from Honolulu to Humboldt.
 1880—Am. brigantine J. D. Sprecke's, 10 days and 13 hours from San Francisco.
 1881—Am. brigantine Consuelo, 10 days 20 hours from San Francisco to Kahului.
 1881—Am. brigantine Wm. G. Irwin, 8 days and 17 hours from S. F. to Kahului.
 1884—Am. schooner Emma Claudina, 9 days and 20 hours from Hilo to S. F.
 1884—Am. schooner Rosario, 10 days from Kahului to San Francisco.
 1884—Am. brigantine Consuelo, 10 days from Honolulu to San Francisco.

Quick Passages of Ocean Steamers.

	Miles.	Steamer.	Date.	d.	h.	m.
Liverpool to New York	3,350	Oregon	Oct., 1883	7	8	33
Philadelphia to Queens own	3,010	Illinois	Dec., 1876	8	18	3
New York to Havana	1,225	City of Vera Cruz	Aug., 1876	4	0	43
Havana to New York	1,225	City of New York	May, 1875	3	10	7
New York to Aspinwall	2,300	Henry Chauncey	1875	6	14	..
Aspinwall to New York	2,300	Henry Chauncey	1875	6	5	30
San Francisco to Yokohama	4,764	City of Peking	—	15	9	..
Yokohama to San Francisco	4,764	Oceanic	1876	14	13	..
New York to Queenstown	2,950	Etruria	Aug., 1885	6	9	10*
New York to Queenstown	2,950	Alaska	Sept., 1882	6	15	19
New York to Queenstown	2,950	Servia	Jan., 1882	7	4	13
Queenstown to New York	2,950	Oregon	April, 1884	6	10	10
Queenstown to New York	2,950	Alaska	1883	6	21	40
Queenstown to New York	2,950	Etruria	Aug., 1885	6	5	44*
Queenstown to New York	2,950	Servia	1882	7	7	40
Shanghai to London	—	Sterling Castle	May, 1882	20	22	15†
Amoy to New York	—	Glenavon	June, 1882	44	14	..†
Plymouth, Eng., to Sydney	—	Austral	May, 1882	32	12	..†
Yokohama to San Francisco	4,764	Arabic	Oct., 1882	13	21	43
Honolulu to Auckland	3,810	Zealandia	April, 1882	11	23	..
San Francisco to Honolulu	2,100	City of Sydney	1880	6	14	..
San Francisco to Honolulu	2,100	Zealandia	April, 1882	6	13	25
San Francisco to Honolulu	2,100	Mariposa	July, 1883	5	20	..
San Francisco to Honolulu	2,100	Australia	June, 1882	6	16	..
Honolulu to San Francisco	2,100	Zealandia	Aug., 1881	6	23	30
Honolulu to San Francisco	2,100	Zealandia	Oct., 1882	6	10	45
Honolulu to San Francisco	2,100	Mariposa	Aug., 1883	6	18	..

*Best on record. †Total time. Actual steaming time, 27d., 23h., and 45m.

‡Including all stoppages. †Steaming time; or a little over 36 days, including all stoppages.

CUSTOM HOUSE REGULATIONS, PORT CHARGES, ETC.

The following extracts from the Hawaiian Tariff and Digest of the Laws and regulations of the Customs, Pilot and Harbor regulations, &c., revised, is re-published by request for the benefit of the Mercantile Marine. The full text of the Tariff and Digest can be had in the Annual for 1880.

PORT REGULATIONS—PILOTAGE.

Upon the arrival of any vessel making the usual signal for a pilot, it shall be the duty of the pilot at the port to immediately put off to such vessel, taking with him a white and yellow flag ; to enquire into the sanitary condition of the ship and the health of those on board ; and upon being assured to his satisfaction that there is no danger to be apprehended from any contagious disease, he shall board such vessel, but not otherwise.

Upon boarding the vessel, the pilot shall present the commanding officer with a Health Certificate to be signed by him, and in case the same shall be signed, the white flag shall be immediately hoisted at the main, and the pilot shall be at liberty to bring the vessel into port ; but in case the commanding officer shall decline to sign the certificate of health, the pilot shall deliver him a yellow flag, which the master shall hoist at the main, and the vessel shall be placed in quarantine, outside of the harbor, and anchored where the pilot may direct.

Any pilot who shall conduct a vessel into any port in this Kingdom, in violation of the provisions of this law, or any of the Regulations of the Board of Health, knowing that there is just ground to suspect the existence of contagion on board, shall be liable to a fine not exceeding Five Hundred Dollars.

Every vessel, the master of which shall have declined to sign a certificate of health as above prescribed, shall, upon entering port, be liable to seizure, confiscation and sale.

If the pilot, after boarding any vessel, shall discover the existence of a contagious disease, he shall not return on shore ; neither shall it be lawful for any of the ship's company or passengers to land or communicate with the shore, or board any other vessel, without permission of the Board of Health, or the Collector, under penalty of a fine not exceeding Five Hundred Dollars.

The Pilots of Honolulu shall bring the vessel which they may take charge of, fully within the harbor, and anchor her in a suitable and convenient place, under penalty of forfeiting their commission.

* * * * *

If any foreign or Hawaiian vessel engaged in foreign trade shall enter or depart from any of the ports for which pilots may be appointed, without a pilot, such vessels shall be liable to one half pilotage.

All vessels anchoring outside the reef at Honolulu shall, when so requested by the Harbor Master or any pilot, change their anchorage and anchor in such place as he may direct, under penalty of a fine not exceeding One Hundred Dollars.

At ports where there are no pilots, the regularly appointed boarding officers shall do and perform all the duties prescribed for pilots.

The pilot's fees, boarding officer's fees and health fees shall form a part of the port charges, which shall be paid by every vessel to the Collector of the port before a clearance is granted.

PILOT'S FEES.

For all mail steamers of 1000 tons or upwards, in or out.....	\$ 50,00
For all transient steamers of 1000 tons or upwards, in or out.....	75,00
For all war vessels, in or out, per foot draught.....	2,00
For all sailing vessels under 200, in or out, per foot.....	1,50
All other vessels and steamers, in or out, per ton.....	05
For anchoring a vessel outside.....	20,00
In case such vessel comes into the harbor. (an extra).....	10,00
If detaining pilot over 24 hours, additional pay per day.....	7,00
Boarding Officer, at port where and when no pilotage is done.....	5,00

TOWAGE RATES—PORT OF HONOLULU.

Vessels under 500 tons	\$ 40,00	Whalemen.....	\$ 40,00
Vessels over 500 tons.....	45,00	Vessels under 200 tons.....	30,00
Vessels over 1,000 tons.....	50,00	Vessels over 200 tons.....	35,00

ARRIVAL AND ENTRY OF VESSELS.

MERCHANTMEN.—The commanding officer of any merchant vessel, immediately after her arrival at either of the legalized ports of entry, shall make known to the Collector of Customs the business upon which said vessel has come to the port, and deliver him, under oath, a full, true and perfect manifest of the cargo with which said vessel is laden before allowing any parcels to be landed, except the *Mail Bags* delivered to the order of the Postmaster; which manifest shall contain an account for the packages, with their marks, numbers, contents and quantities, also the names of the importers, or consignees, and shippers; and furnish him with a list of her passengers before allowing any baggage to be landed; and deliver him under oath a list of all stores on board his vessel, under a penalty of forfeiting all stores not mentioned in such list and a fine of one hundred dollars.

Any such officer failing to perform any or all of the acts above mentioned within forty-eight hours after his arrival, shall be subject to a fine not exceeding one thousand dollars.

* * * * *

HARBOR REGULATIONS.

The Harbor Masters of Honolulu and Hilo shall have authority over the anchoring, mooring and making fast of all hulks, coasters, boats and other craft in their respective harbors, and are charged in general with the enforcement of all harbor regulations. They shall also be wharfingers at the ports for which they are appointed. They shall be entitled to receive, in condition to their usual fees, all amounts disbursed by them for the use of boats, warps and labor in mooring and making fast any vessel, and if necessarily detained on board more than two hours at any one time, they shall be paid at the rate of one dollar per hour for such extra detention.

All vessels that may enter any port shall be anchored in the place designated by the Harbor Master, and moved from one anchorage to another as he may direct; and no vessel, except coasting vessels, under fifty tons burthen and vessels about to leave the harbor, shall quit her anchorage or moorings until the commanding officer shall have received the written permission of the Harbor Master under penalty of a fine not exceeding one hundred dollars.

* * * * *

HARBOR MASTER'S CHARGES.

WHARFAGE.—Per registered ton (Sundays and Government holidays not counted), 2 cents per day.

STORAGE.—Bricks, Coal, Coolers, Kettles, Stone Ballast, Sand, (space of 32 square feet measurement), 1 cent per day; Oil, on whaves, for every 10 bbls., 1 cent per day; Lumber, Firewood, (space of 32 square feet measurement), 1 cent per day; Anchors, Chain, Pig Ballast and Old Iron, per ton of 2,000 lbs., ½ cent per day.

HARBOR MASTER'S FEES.

Boarding vessel on arrival.....\$3.00	Boarding vessel on departure.....\$3.00
Moving vessel, each time.....	3.00

SHIPPING AND DISCHARGING NATIVE SEAMEN.

Shipping, each man.....\$0.50	Shipping Articles, Stamp.....\$1.00
Discharging, each man..... 50	Master's Bond, Stamp..... 1.00
Government Tax, each man..... 6.00	Application to Governor..... 1.00

[All the above charges must be paid by the ship.]

DISCHARGING FOREIGN SEAMEN.

Seaman's Permit.....	\$0,50	Seaman's Bond.....	\$1.00
Permit for deserter to ship.....			50

HONOLULU.—A Lighthouse has been erected on the inner edge of the western reef, bounding the entrance of the channel into Honolulu harbor. The light is a Fresnel of the fourth order, at an elevation of twenty-six feet above the sea level, and can be seen from the deck of an ordinary sized vessel at the distance of nine nautical miles in a radius from S. E. by E. to W. from the lighthouse.

LAHAINA, MAUI.—A lighthouse has been erected at the landing, port of Lahaina. The window on the sea side of the light-room is of 20x24 inch glass, with red glass at the N. W. and S. E. ends. The colored glass stands at equal angles, side and front, and a vessel in ten fathoms of water will have two bright lights for about half a mile each way from directly in front of the lighthouse. At a greater distance, it will show a colored light until the lights almost appear like one, or the red light like a reflection from the other light. The light towards Molokai is the brightest, so that the lights now have the appearance of a large and small light close together. The lights stand about twenty-six feet above the water, and can be seen across the Lanai channel.

MOLOKAI POINT.—On the extreme southwest point of the island of Molokai (known as Lae o ka Laau) is a fixed white Fresnel light of the fourth order, showing from all points of the compass. The light is fifty feet above the sea level, and is visible from a distance of eleven miles. The tower is painted white, the lantern red, and is located in Latitude $21^{\circ} 6' N.$ and Longitude $157^{\circ} 18' W.$ From seaward the following are the magnetic bearings (varying $9^{\circ} E.$) extreme points of land being taken.

South point of Oahu N. $81^{\circ} W.$; East point of Oahu N. $66^{\circ} W.$; Mokapu, N. E. Oahu N. $56^{\circ} W.$ N. W. point of Molokai N. $8^{\circ} E.$; Lahaina light S. $78^{\circ} E.$; N. E. point Lanai S. $72^{\circ} E.$; S. W. point Lanai S. $49^{\circ} E.$ Mariners are especially cautioned against confusing this with the N. W. point of Molokai, bearing as above, distant nine miles.

LIGHT DUES.—There shall be levied upon all vessels arriving from abroad at any port of this Kingdom where a lighthouse may be established, the sum of three dollars, which shall be paid before departure, to the Collector General of Customs.

All vessels engaged in the coasting trade shall pay ten cents per ton as light dues, in consideration of which they shall be entitled to visit all ports where lighthouses may be established, for the term of one year without further charge.

CUSTOM HOUSE GUARDS.—The Collector shall provide an officer to be present on board any vessel during her discharge, or at any other time when he may deem it necessary, to superintend the landing of her cargo, and see that no other or greater amount of goods are landed than is set forth upon the permit to discharge.

It shall be the duty of the commanding officer of any vessel when boarded by an officer of the Customs to furnish him promptly with any and all information which he may require in regard to the vessel, her cargo, stores, passengers, &c., and exhibit for his inspection her manifest, register, or other papers relating to the same.

PASSENGERS.—If the master of any vessel arriving at any port of entry of this Kingdom from a foreign port shall suffer the baggage of any passengers on board his vessel to be removed on shore from such vessel, unless a permit therefor has been obtained from the Collector of the port, such master shall be liable to a fine not exceeding fifty dollars in the discretion of the Collector of Customs.

If any passenger so arriving shall remove his baggage on shore from such vessel without first obtaining a permit therefor from the Collector of the port such passenger shall be liable to a fine not exceeding fifty dollars.

Any passenger arriving from a foreign port at any of the ports of this Kingdom shall be subject to a tax of two dollars, for the support of hospitals for the benefit of sick and disabled Hawaiian seamen, which shall be paid to the Collector of Customs before any permit is issued to such passenger to land his baggage.

MARINE HOSPITAL TAX.—The master or owner of every ship or vessel under the Hawaiian flag, arriving from any foreign port, or from sea, at any port of the Hawaiian Kingdom, shall before such ship or vessel is admitted to entry, render to the Collector of such port a true account of the number of seamen who have been employed on board since the last entry at any Hawaiian port, and pay to said Collector at the rate of twenty-five cents per month for each and every seamen so employed, for the benefit of the Marine Hospital Fund, which amount such master or owner is authorized to retain out of the wages of said seamen.

The master of every vessel employed in the coasting trade of the Hawaiian Kingdom, shall render quarterly to the Collector General of Customs, or to any Collector under his directions, a true list of all sea-

men employed by him during the preceding three months, and pay to said Collector General, or Collector, at the rate of twenty-five cents per month for each seaman so employed, which said master is authorized to retain out of the wages of such seaman.

The returns required as above shall be made under oath, in such manner and form as the Collector General may prescribe. If any owner or master shall make a false return, he shall be deemed guilty of perjury and punished accordingly. * * * *

PASSPORTS.—Every adult who may have resided on these Islands for more than thirty days, wishing to leave the Kingdom, shall make application to the Collector of the port from which he intends to sail, for a passport.

PORTS OF ENTRY.—No goods of foreign growth or production shall be unladen from a foreign vessel, or Hawaiian vessel from a foreign port, at any other port of the Hawaiian Islands than a port of entry for foreign vessels as created by law, under a penalty of seizure and forfeiture of the vessel and of the goods imported therein, and so landed or unladen.

The following are the legal ports of entry: Honolulu, Island of Oahu; Lahaina and Kahului, Island of Maui; Hilo, Kawaihae, Mahukona and Kealakekua, Island of Hawaii; Koloa, Island of Kauai.

* * * * *

CUSTOM HOUSE CHARGES.

For visit of Health Officer when required.....	\$ 5,00
When necessarily detained on board, per day.....	10,00
Health fee, vessel not anchored by the pilot.....	5,00
For Bill of Health on departure.....	1,00
Pilot's and Boarding Officer's Fees (see Pilotage)	
Buoys.....	2,00
Lights—Vessels from abroad.....	3,00
Coasters, each year—per ton.....	10
Inward or Outward Manifests.....	2,00
Mail Oath.....	1,00
Inward Entry, Goods paying duties.....	2,50
" Goods free under Reciprocity Treaty.....	2,50
" Goods Bonded.....	4,50
Outward Entry, Goods Bonded.....	1,50
Transit Entry.....	2,50
Bond to secure payment of Duties.....	2,00
Passports.....	1,00
Passport Protest.....	3,00
Every Stamped Certificate or Blank furnished by the Collector.....	1,00
Recording Bill of Sale, Mortgage or Hypothecation of a vessel, or copying the same, or copying Certificate of Registry, per one hundred words.....	50
Acknowledgements, each.....	1,00

The Custom House charges for all other acts and duties not expressly provided for by law, as also the rates of storage, shall be such as may from time to time be prescribed by the Minister of Finance.

DEPARTURE OF VESSELS.

Any vessel having, through her master or agent, fully complied with the laws and regulations affecting foreign trade, and with all the laws regulating the shipment and discharge of Hawaiian seamen, shall be entitled to depart after receiving from the Collector of the port a clearance in the form provided by law.

In case any vessel does not sail within forty-eight hours after receiving a clearance, it shall be the duty of the master to report the same to the Collector of the port, under a penalty of not exceeding twenty-five dollars, to be imposed by said Collector.

No vessel shall be entitled to a clearance unless all proper charges at the Harbor Master's office shall have been settled, and the Collector may require the master or agent of the vessel to produce the Harbor Master's certificate to that effect.

* * * * *

CONSULAR.

Every Minister, Commissioner, Consul or Vice-Consul of the Hawaiian Islands, in any foreign country, may take and certify under his official seal, all acknowledgements of any deed, mortgage, lease, re-lease, or any other instrument affecting the conveyance of real or personal estate in this Kingdom, and such acknowledgement shall entitle such instrument to be recorded.

HONOLULU LIGHTS—OMISSION FROM PAGE 31.

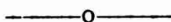
From the lighthouse the Spar or Fairway Buoy bears (magnetic) S. 11° W. $6\frac{1}{4}$ cables; the eastern end of the new wharf, N. 35° E. $1\frac{1}{2}$ cables; Diamond Point, S. 56° E.; Barber's Point, S. 88° W. and the eastern corner of the Custom House, N. 15° E. near to which corner another Light Tower has been erected, at any elevation of twenty-eight feet above the sea level, and can be seen about five miles out at sea. The light in this tower is green.

To enter the harbor by night, bring these two lights in one, bearing N. 15° E. (magnetic), and keep then in one till within a cable's length of the lighthouse on the reef, when by hauling a point to the eastward you will avoid the end of the spit on which the lighthouse is built,

extending off from it about twenty-five feet to the eastward. Steer for the east end of the new wharf, and when half way between the light on the reef and the new wharf, keep away N. W. and along the Esplanade to an anchorage inside. All bearings magnetic.

HILO, HAWAII.—A lighthouse has been erected at Paukaa Point, entrance to Hilo harbor, Hawaii. The light is at an elevation of fifty feet above the sea level, a plain fixed light, and can be seen easily ten miles out at sea. From the lighthouse the outer point of the reef bears S. 58° E. ; inner point of the reef, S. 39° E. ; Governess' flagstaff (about the center of the harbor), S. 22° E. ; Lelewi Point, S. 79° E., and Makahanaloa Point, N. 2° W. Bearings magnetic.

KAWAIHAE, HAWAII.—For the anchorage at Kawaihæ a white light about fifty feet above the sea level, has been erected, at a point bearing from the N. E. corner of the reef N. E. by N. ½ N. The light can be seen at a distance of ten miles out at sea. With this light bearing E. N. E. there is a good anchorage in eight fathoms of water, about a quarter of a mile from the shore. All bearings magnetic.



SUGAR PLANTATIONS AND MILLS.

Those marked with an asterisk (*) are planters only. Those marked with a dagger(†) are mills only. All others are plantations complete, owning their own mills.

<i>Plantation.</i>	<i>Location.</i>	<i>Agents.</i>
Pepeekeo Plantation.....	Hilo, Hawaii.....	C Afong
Wailuku Sugar Co.....	Wailuku, Maui.....	C Brewer & Co
East Maui Stock Co *....	Makawao, Maui.....	C Brewer & Co
East Maui Plantation Co..	Makawao, Maui.....	C Brewer & Co
Onomea Sugar Co.....	Hilo, Hawaii.....	C Brewer & Co
Paukaa Sugar Co.....	Hilo, Hawaii.....	C Brewer & Co
Honomeu Sugar Co.....	Hilo, Hawaii.....	C Brewer & Co
Princeeville Plantation Co..	Hanalei, Kauai.....	C Brewer & Co
Hawaiian Agricultural Co.	Kau, Hawaii.....	C Brewer & Co
Kaneohe Plantation... ..	Kaneohe, Oahu.....	C Brewer & Co
Halawa Sugar Co.....	Kohala, Hawaii.....	C Brewer & Co
Papaikou Sugar Co.....	Hilo, Hawaii	Castle & Cooke
Kohala Plantation.....	Kohala, Hawaii	Castle & Cooke
Waialua Plantation.....	Waialua, Oahu.....	Castle & Cooke
Haiku Sugar Co.	Haiku, Maui.....	Castle & Cooke
Paia Plantation	Paia, Maui.....	Castle & Cooke
Grove Ranch Pln. Co....	Paia, Maui.....	Castle & Cooke

A H Smith & Co*	Koloa, Kauai	Castle & Cooke
Union Mill Co†	Kohala, Hawaii	T H Davies & Co
Kynnersley Bros.*	Kohala, Hawaii	T H Davies & Co
Ni'ihii Plantation	Kohala, Hawaii	T H Davies & Co
Beecroft Plantation*	Kohala, Hawaii	T H Davies & Co
Hawi Mill & Plantation.		
Waipunalei Plantation*	Hilo, Hawaii	T H Davies & Co
Aamano Plantation*	Hamakua, Hawaii	T H Davies & Co
Hamakua Plantation*	Hamakua, Hawaii	T H Davies & Co
Hamakua Mill Co†		
Kukai'au Mill	Hamakua, Hawaii	T H Davies & Co
Waiakea Plantation	Hilo, Hawaii	T H Davies & Co
Laupahoehoe Sugar Co.	Laupahoehoe, Hawaii	T H Davies & Co
Kaiwilahilahi Mill	Laupahoehoe, Hawaii	T H Davies & Co
Kipahulu Mill†	Hana, Maui	T H Davies & Co
Barnes & Palmer*	Wailuku, Maui	M S Grinbaum & Co
Hana Plantation	Hana, Maui	M S Grinbaum & Co
Thompson & Bro.*	Kohala, Hawaii	M S Grinbaum & Co
Heeia Agricultural Co. l'd.	Koolau, Oahu	M S Grinbaum & Co
J. N. Wright*	Ookala, Hawaii	H Hackfeld & Co
R. M. Overend	Honokaa, Hawaii	H Hackfeld & Co
Kaluanonu Co*	Koloa, Kauai	H Hackfeld & Co
W. Y. Horner*	Lahaina, Maui	H Hackfeld & Co
Hanamaulu Mill†	Hanamaulu, Kauai	H Hackfeld & Co
A. S. Wilcox*	Hanamaulu, Kauai	H Hackfeld & Co
C. Borchgrevink*	Waimea, Kauai	H Hackfeld & Co
Koloa Ranch*	Koloa, Kauai	H Hackfeld & Co
Koloa Plantation	Koloa, Kauai	H Hackfeld & Co
Grove Farm*	Nawiliwili, Kauai	H Hackfeld & Co
Lihue Plantation	Lihue, Kauai	H Hackfeld & Co
Kekaha Mill Co†	Kekaha, Kauai	H Hackfeld & Co
Pioneer Mill	Lahaina, Maui	H Hackfeld & Co
Kipahulu Plantation*	Kipahulu, Maui	H Hackfeld & Co
Waimanalo Sugar Co.	Waimanalo, Oahu	H Hackfeld & Co
R. W. Meyer	Kalae, Molokai	H Hackfeld & Co
Kukai'au Plantation*	Hamakua, Hawaii	H Hackfeld & Co
Faye & Meier*	Waimea, Kauai	H Hackfeld & Co
Honohina Plantation	Hilo, Hawaii	H Hackfeld & Co
Waimea Sugar Mill†	Waimea, Kauai	E Hoffschlaeger & Co
Waimea Plantation*	Waimea, Kauai	E Hoffschlaeger & Co
Waihee Sugar Co.	Waihee, Maui	W G Irwin & Co
Haw'n Com'l & Sugar Co.	Maui	W G Irwin & Co
Ma'kee Sugar Co.	Kalia, Kauai	W G Irwin & Co
Hutchinson Plantation Co.	Kau, Hawaii	W G Irwin & Co
Hilea Sugar Co.	Kau, Hawaii	W G Irwin & Co
Star Mill Co.	Kohala, Hawaii	W G Irwin & Co
Hakalau Plantation Co.	Hilo, Hawaii	W G Irwin & Co
Hilo Sugar Co.	Hilo, Hawaii	W G Irwin & Co

Paauhau Mill†	Hamakua, Hawaii	W G Irwin & Co
Kilauea Sugar Co.	Kilauea, Kauai	W G Irwin & Co
Paauhau Plantation*	Hamakua, Hawaii	W G Irwin & Co
Olowalu Sugar Co.	Olowalu, Maui	W G Irwin & Co
Ookala Sugar Co	Ookala, Hawaii	W G Irwin & Co
Makaha Plantation*	Waianae, Oahu	W G Irwin & Co
Waikapu Sugar Co.	Waikapu, Maui	W G Irwin & Co
Reciprocity Sugar Co.	Hana, Maui	W G Irwin & Co
Huelo Mill Co†	Huelo, Maui	W G Irwin & Co
Huelo Plantation*	Hamakua, Maui	W G Irwin & Co
Kamaloo Plantation	Molokai	J McColgan
Honokaa Sugar Co.	Hamakua, Hawaii	F A Schaefer & Co
Pacific Sugar Mill	Hamakua, Hawaii	F A Schaefer & Co
Eleele Plantation	Koloa, Kauai	F A Schaefer & Co
Laie Plantation	Laie, Oahu	J T Waterhouse
Gay & Robinson*	Makaweli, Kauai	J T Waterhouse
Waianae Sugar Co.	Waianae, Oahu	H A Widemann
Moanui Plantation	Molokai	Wong Leong & Co



THE HAWAIIAN FLAG AND COAT OF ARMS.

The Annual for 1880 contained an article on the Hawaiian Flag, which, though acknowledged unsatisfactory from its incompleteness, was as full and reliable as the time and means at our disposal allowed. The article closed with the trust that it would meet the eye of some one whose knowledge and memory would be refreshed thereby to account the true history, origin, and parties interested in its formation.

By the courtesy of G. D. Gilman Esq., of Boston, and the kind researches of Hon. J. Mott Smith, Hawaiian Commissioner at Washington D. C., former residents of these islands, the following extract from the *Polynesian* of May 31, 1845 is received, and is valuable as affixing the time and authorization of the latest change which, in the Annual's article referred to, defined the period, 1845, and accredited its alteration to Captain Hunt of H. B. M. S. *Baselisk*

"At the opening of the Legislative Council, May 25, 1845, the new national banner was unfurled, differing little however from the former.

"It is octo. parted per. fess., first, fourth and seventh, argent: second, fifth and eighth, gules: third and sixth, azure, for the eight islands under one sovereign, indicated by crosses saltire, of St. Andrew and St. Patrick quarterly, per saltire counter charged, argent and gules."

The following relating to the adoption of the Hawaiian coat of arms, from the same source, will prove of interest to many readers of the Annual, even at these islands.



“A coat of arms has also been adopted which is quarterly, first and fourth stripes of the National banner, second and third, a ball argent on a staff sable—in escutcheon oct, triangular banner argent, leaning on a cross saltire.

“The white ball with which the second and third quarters are charged, was an ancient emblem of the country called Pulo-lou and they were placed at the right and left of the gateway, or door, of the King’s house, to indicate protection, or a place of refuge, to which persons might flee from danger and be safe.

“The triangular flag at the fess point, was an ancient flag of the Hawaiian chiefs which was raised at sea, above the sail of their canoes, and the sail at that time being of a peculiar construction, it presented a very beautiful appearance. It was also placed in a leaning position, across two spears in front of the King’s house, to indicate both *tabu* and *protection*. The name of the flag was Puela and the name of the cross on which it lies Alia.

“Both the balls and the flag had on some occasions a religious signification, but their appropriateness to a coat of arms results from the above characteristics.

“The external ornaments of the escutcheon consists of a crest, which is a crown and two supporters, men clad in the ancient feather cloak and helmet of the Islands, the one bearing a kahili and the other a spear as in the processions of former times. The crown is ornamented with the taro leaf. The drawings of all these emblems and ornaments, was taken from the original articles presented to Captain Cook by Kalei-opuu in 1778. The design was original by the lamented Haalilio.

“The motto is, ‘*Ua mau ka ea o ka aina i ka pono.*’ The life of the land is perpetuated by righteousness. It refers to the speech of the King at the time of the cession, Feb. 25, 1843. ‘I have given away the life of the land. I have hope that the life of the land will be restored when my conduct is justified.’ It very naturally alludes to the righteousness of the British government, in returning the Islands to their legal sovereign, to the righteousness of the Hawaiian which secured the restoration, and to the general principle, that it is only by righteousness that national existence is preserved.”

HELPS TO THE STUDY OF HAWAIIAN BOTANY.

BY REV. C. M. HYDE, D. D.,
North Pacific Missionary Institute, Honolulu, H. I.

BOTANICAL PUBLICATIONS.

Those interested in Hawaiian Botany have been waiting with great impatience for Dr. W. Hillebrand's long promised book, "The Flora of the Hawaiian Islands." It is intended to be an exhaustively complete classification and description of the whole of our Hawaiian vegetation. There are but few books, or treatises, accessible to any one wishing to give special attention to this department of scientific investigation. An enumeration of some of those which may be available may prove of interest or service to some of the readers of the Annual. In the "Proceedings of the American Academy of Arts and Sciences, 571st meeting, Philadelphia, September 11th, 1866, there is printed in full Horace Mann's most valuable "Enumeration of Hawaiian Plants."* Mr. Mann, in connection with Mr. W. T. Brigham investigated the botany of these Islands, travelling over all of them from May 4, 1864, to May 18, 1865. Mr. Brigham remained five months longer, teaching at Punahou School. Major General Munro has been preparing a list of Hawaiian Grasses, but it is not yet printed. On Mosses, one may consult Sullivant, "Proceedings Am. Ac. Arts and Sciences, 1854." There are two catalogues of Hawaiian Ferns, published in Honolulu, one by J. M. Lydgate, 1873; the other, by E. Bailey, 1883. Reference should be made also to Baker, Syn. Fil.; Hooker, "Synopsis Filicum."; Kaulfuss Enum. Fil.; Walls Cat.: and monographs by Brakenridge, (U. S. Expl. Exp. ; almost the whole edition of the volume on ferns was destroyed by fire in the printing office;) Eaton, Greaves, Strickland. Full, (130) or partial collections of Hawaiian Ferns from the herbariums of D. D. Baldwin or F. L. Clarke, may be had of T. G. Thrum, Honolulu, at prices ranging from \$2.50 to \$12.00. In the absence of a distinctive work on the Hawaiian Flora, great help may be had from the "Flora Vitiensis." by Berthold Seemann, London, L. Reeves and Co., 1865-73, (in the Government Library; only 150 volumes were printed.) The Botany of the U. S. Exploring Expedition, (which visited the Islands in 1840,) was prepared by Professor Asa Gray, Cambridge, Mass. The collections were made by W. D. Brakenridge and Charles Pickering. Other collections of Hawaiian plants have been made

*Mann enumerates 620 species of flowering plants. His list include the ferns, but not the algæ, grasses, lichens, or mosses. He arranges the plants enumerated in 87 natural orders, 253 genera. He names 377 peculiar to the Hawaiian Islands. Seemann gives the names of 56 more in the "Flora Vitiensis."

by David Nelson, in Capt. Cook's third voyage, 1778-9 : Archibald Menzie with Vancouver, in 1792-4 : Albert Chamisso, with Kotzebue in the "Romanzoff," 1816-17: Charles Gaudichaud, 1819, (see "Freycinet, Voy. Bot.;" see also "Botanique du voyage de l' Uranie," 1826 30, and "Bot. Voy Bonite," Paris, 1836:) James Macrae, 1825, for the London Horticultural Society: Lay and Collie, for Capt. Beechey, in the "Blossom," 1826-7, their collection forming the basis of "Hooker et Arnott. Bot. Beech.": F. Meyer, with Capt. Wendt in Prussian vessel "Princess Louise," 1831: Nuttall, 1835: Barclay, under Sir Edmund Belcher in the "Sulphur" 1837-39, (see "Barclay's Sandwich Islands Collection:") B. Seemann, naturalist on the voyage of H. B. M. S. "Herald," 1845 to 1851, (see "Bot. Voy. Herald:") Jules Remy, for the Paris Museum 1851-55. One must visit Philadelphia, Cambridge, London or Paris, to examine any good herbarium of our Hawaiian plants. Rev. J. Diell, when he was Seaman's Chaplain at Honolulu, sent a few specimens to Prof. Gray. Assistance may also be had by consulting Forster's Prodrumus, De Candolle's Prodrumus, Parkinson's "Drawings of Tahitian Plants," Willdenov's Sp. Plant., Solander's "Primitiae Florae Insularum Oceani Pacifici."

BOTANICAL NAMES OF SOME HAWAIIAN PLANTS.

(*Hawaiian names in Italic.*)

Alligator (properly avocado, i.e. Holy Ghost) pear, *Persea gratissima*. Algaroba, *keawe*, *Ceratonia siliqua*. *Ape*, *Alocasia indica*. Arrow-root, *pia*, *Tacca oceanica*. *Auhuhu*, *Tephrosia piscatoria*. Bird's nest fern, *Asplenium nicos*. Bird's eye pepper, *Capsicum frutescens*. Calabash, (gourd) *ipuawaawa*, *Cucurbita maxima*. Castor oil plant, *koli*, *Ricinus communis*. Cape gooseberry, *poha*, *Physalis peruviana*. Chirimoya, *Anona tripetala*. Custard apple, soursop, *Anona squamosa*. Coconut, *niu*, *Cocos nucifera*. Guava, *Psidium guayava*. *Hala*, screw pine, *Pandanus odoratissimus*. *Halapepe*, *Dracena aurea*. *Hao*, Hibiscus, *Thesperia populnea*. (?) *Ie*, *Freycinetia scandens*. *Ieie*, *Freycinetia arborea*. *Ilima*, *Sida fallax*. Indian shot, *Canna indica*. Ironwood (weeping), *Casuarina Equisetifolia*. Jessamine (Cape) *pikake*, *Gardenia florida*. *Kalo*, *Colocasia antiquorum*, var. *esculentum*. *Ki*, *Dracena terminalis* (Cordylina.) *Kikania*, *Solanum xanthocarpum*. (?) *Koa*, (Hawaiian mahogany,) *Acacia koa*. *Kou*, *Cordia sprengelii*. *Kukui*, *Aleurites moluccana*. Lantana, *Verbena bonariensis*. Lemon, *Citrus medica*. Lime, *Lemi*, *Citrus Limonum*. Litchi, *Nephelium*. Loquat, *Eriobotrya japonica*. Mango, *maneko*, *Mangifera in-*

dica. *Maniania*, Bermuda grass. *Maile*, *Alyxia olivaeformis*. *Mamaki*, *Pipturus albidus*. *Mamane*, *Sophora chrysophylla*. *Mokihana*, *Pelea anisata*. *Nai'o*, *Myoporum sandwicense*. *Nohu*, *Tribulus cistoides*. *Noni*, *Morinda citrifolia*. *Ohelo*, *Vaccinium reticulatum*. *Ohia*, Malay apple, *Jambosa (Eugenia) malaccensis*. *Ohia lehua*, *Metrosideros tomentosa*. *Olona*, Hawaiian flax, *Urtica argentea*. *Papaia*, *Hei*, *Milikina*, *Papaia vulgaris*. (The *papaw* tree of the U. S. is *Uvarai triloba*.) Mammee apple (in Brazil *mamoya*) *Mammea Americana*. Pomegranate, *Punia granatum*. Sandalwood, *iliahi*, *Santalum freycinetianum*. Silver sword, *Argyroxiphium macrocephalum*. Sugar cane, *ko*, *Saccharum officinarum*. Sweet potato, *uala*, *Batatas edulis*. *Tamanu*, *Calyophyllum inophyllum*. Tamarind, *wi*, *Tamarindus indica*. Turmeric, *olena*, *curcuma longa*. *Wauke*, paper mulberry, *Broussonatia papyrifera*. *Wi* apple, *Spondias dulcis*. *Wiliwili*, *Erythrina corallodendrum*.

HAWAIIAN ODORIFEROUS PLANTS.

The Hawaiians have always been fond of bright flowers and sweet odors. There are many plants on the Islands of indigenous growth, whose flowers, fruits, leaves, sap, bark, wood, or roots furnish perfumes. *Hoope* is the Hawaiian word for perfuming the person, and *poni* their word for the ceremony of anointing. The most highly scented of all odoriferous plants used in making the *lei*, or necklace, their favorite adornment, is the *mokihana*. Its best specimens, as is true of these odoriferous plants generally, come from Kauai. The seed-pods of the *mokihana*, retain their perfume permanently, when dry and hard. For temporary adornment and fragrance, the blossoms and leaves of the *awapuhi*, (bastard ginger,) are often used. The drupe of the *hala* (pandanus or screw pine,) is a favorite material for a *lei*. The *ilima*, *nohu*, *akulikuli*, *maiapilo*, *kokolau*, *kaunoa*, *halapepe*, are also used. For garlands, the favorite plant is the *maile* vine, of which there are four varieties, *lau'ii*, *haiwale*, *kaluhea*, *pakaha*. The delicate fragrance of this species of the smilax heightens the charm of the graceful forms of its leaves, as the long trails of this vine are loosely wound together and thrown on the neck and shoulders. Various species of ferns are also used for wreaths and garlands. *Palapalae*, the fern mostly used for this purpose, the only scented fern, is the name recently adopted by foreigners,

when speaking of the different varieties of ferns collectively; for the Hawaiians have in their language very few general terms, applicable to whole classes of objects. To a genuine Hawaiian a feast is not a feast, a regular *luau* as foreigners call such festivities, without the presence of these dryads of the mountains, and as lovingly do they rejoice also in bringing to their feasts those nymphs of the sea, the *limu* (sea mosses) some of which, like the *lipoa*, have become to the Hawaiian the synonym for the most delicious fragrance. In making odoriferous unguents, *olena*, (turmeric,) was a common ingredient. A gum from a tree that formerly grew at the brink of the crater of Kilauea was odoriferous, and it would have been death in olden time for any one to use it, unless such was his recognized privilege. Coconut oil, for which the specific name is *manoi*, when it is used as a cosmetic, is plastered upon the hair in such quantities, and so scented with sandal wood that it is decidedly disagreeable to most foreigners not accustomed to it. The leaf of the *ki* plant, when pressed, exudes a juice, which is used in stiffening the hair. The *awapuhi* is used in the same way. The sap of the *hao* tree, mixed with *poi*, ("the fermented corms of the *colocasia antiquorum*, var. *esculentum*,") was one of the old Hawaiian cosmetics for cooling the skin. Wrestlers made their limbs and joints supple by smearing their bodies with the oil of the *kukui* nut. *Painiu*, (the Hawaiian ribbon grass,) has an oil with the fragrance of the pine-apple. *Kukuku* is the Hawaiian soap plant. *Lauae*, is an aromatic herb, but not often used. *Ihuanu*, is an odoriferous tree or shrub, found at Kawelo. The root of the *kupaoa* was used in scenting *kapa*, the vegetable felt which the Hawaiian formerly used for cloth, made by pounding the bark of the *wauke*, (paper mulberry.) *Akia* is a poisonous shrub, whose bark is used to catch fresh water fish by stupefying them. The fruit, called *haakea*, is sometimes made into beads for the neck. For saltwater fish the *auhuhu*, (or *auhola*,) was used, both root and stalk. Of fragrant woods, the *iliahi*, sandalwood, was once so abundant as to give the Hawaiian Islands among the Chinese the name of Tahn Heung Shan, i.e. sandalwood islands. This valuable tree has almost entirely disappeared. There is a bastard sandalwood, *naiio*, when young, *aaka*, when old, (or *alahii*,) which is found on the slopes of Haleakala, and elsewhere. Other trees, or shrubs, with fragrant woods are the *alii*, or *aalii*, *olepa*, *kiele*, *kupukupu*, *maoheohe*, *pala*, and *pukamole*.

HAWAIIAN RAILROADS.

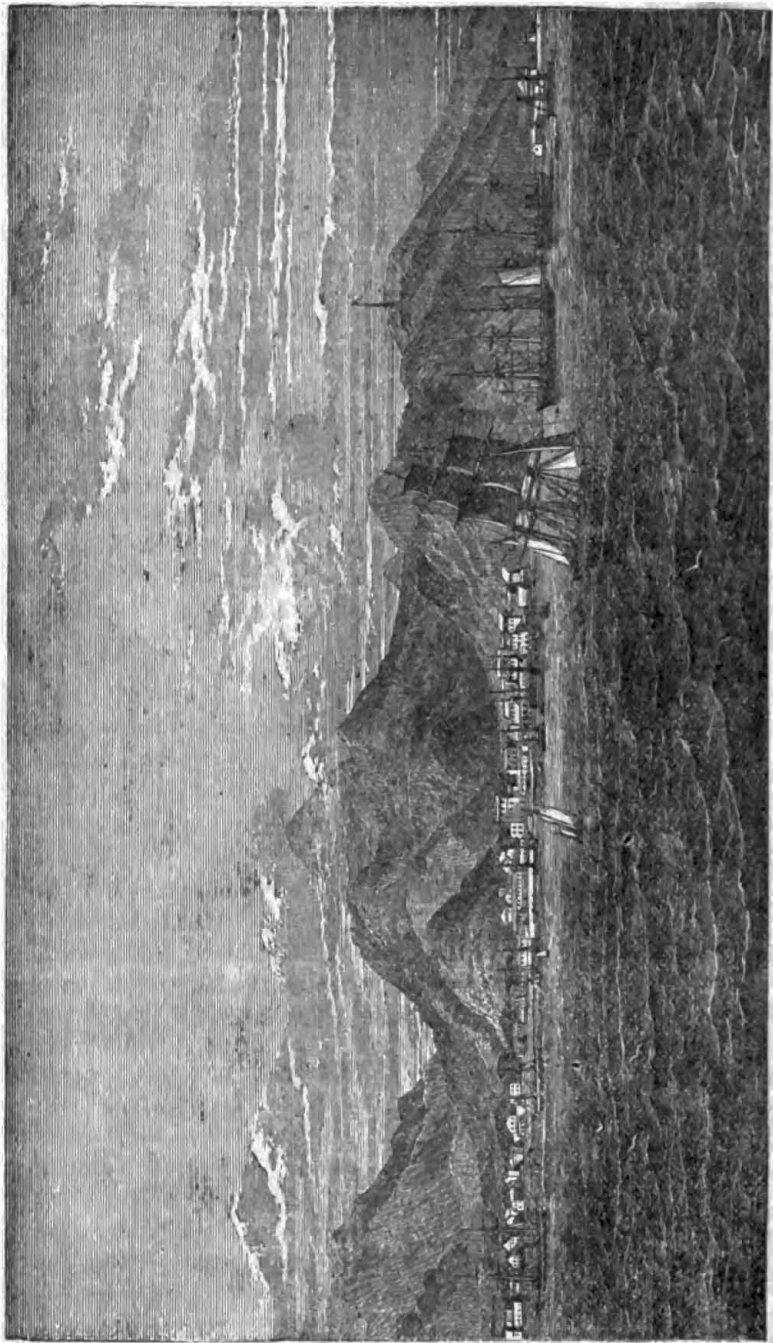
The retrospect article of the Annuals, from year to year, has aimed to faithfully record the various changes of the country in its internal development and commercial relations. The issue of 1879 noted the initiatory steps in surveys undertaken the previous year, looking toward the establishment of railroads on the islands of Maui and Hawaii. The first of these to commence operations was the Kahului and Wailuku railroad, which short line began running in 1879, and the following year, 1880, it was extended to Hamakuapoko with its terminus at Paia. Its whole length is 11 miles, and is of 3 feet gauge. There are no bridges or cuts to speak of, nor are there any sharp curves the entire length. It gives facilities to seven sugar plantations, besides the various stores and residents within its radius. Its rolling stock consists of 2 American locomotives, of Baldwin make, 2 passenger and 60 freight cars. This line brought into Kahului in 1884 from the plantations to the east, and to the west, 15,000 tons of sugar for shipment, and took outward, the same year, lumber and miscellaneous merchandise to the amount of 20,000 tons. The passenger traffic averages about 150 per week, or a total of 7,800 for the year. It has four stations, the central at the shipping port of Kahului, with one at Spreckelsville and the terminal ones at Paia and at Wailuku.

It was not till 1881 that actual work began on the Kohala railroad, on Hawaii, which was completed the following summer. It starts from Mahukona, its shipping point, and traverses the rich sugar lands of Kohala, near the shore, to Niulii, a distance of 20 miles. Owing to the numerous gulches traversed, some three miles are lost in this distance. In the length of the line there are 17 bridges, one of which is 84 feet high. There are numerous cuts, but no tunnels, and the minimum of curves is 76 feet radius.

Six station houses along the line afford convenient facilities to the principal plantations, stores, etc. The freight carried in 1884 was 20,000 tons and passengers conveyed the same year were 6,000.

The rolling stock of the road consists of 3 locomotives, 2 Baldwin (American) and 1 Ransome & Rapier (English); 4 passenger cars, 1 caboose, and 34 box and 5 flat freight cars.

The Kohala road was originally planned by the Hon. S. G. Wilder and has been controlled and conducted by him ever since. The Maui railroad was the result of Captain T. H. Hobron's energy and enterprise, but in 1884 it passed by purchase into Mr. Wilder's hands.



VIEW OF HONOLULU IN 1873 AS SEEN FROM THE REEF.

HONOLULU PACKET LINES WITH THE NEW AND OLD WORLD.

Notwithstanding the fact that "the Hawaiian Islands possess the flattering distinction of being the most extensively written about of all the islands of Polynesia," they are but very imperfectly understood abroad, except by those who are in constant communication with us, and many of these even, are unaware of the various lines of shipping, steam and sail, of their time of sailing, location of agencies, etc., that make Honolulu their destination and our needs their profitable employment. This article, therefore, suggested for the benefit of enquirers abroad, it is hoped will prove of value to them and handy for reference even to Island readers.

Two regular lines of steamers, the past few years, have furnished frequent and regular communication between Honolulu and San Francisco, viz: the steamers of the Pacific Mail and the Australian and New Zealand mail service, touching at Honolulu each way on their trips every four weeks, and the excellent steamers of the Oceanic Steamship Co., to and fro, the 1st and 15th of every month. The Australian mail service will be conducted on a different time table the coming year, as new arrangements for the next three years have just been completed. For several years past the up steamer from the Colonies would be about due at this port, en route for San Francisco, the day that the one with the English mails would be leaving San Francisco for Honolulu, en route to the Colonies. Messrs H. Hackfeld & Co., corner of Queen and Fort streets, were the Honolulu agents. Williams, Dimond & Co., office of the Pacific Mail, corner of First and Brannan streets, San Francisco; Brown, Campbell & Co, Auckland, N. Z.; and Gilchrist, Watt & Co, Bent street Sydney, were the agents at these respective cities.

The new contract for carrying the New Zealand and Australian mails, has been secured by the Union S. S. Co. of Auckland. Arrangements are entered into by them to connect and transfer passengers, mails and freight to the Oceanic S. S. Co. at this port, and have their swift steamers complete the service at this end of the route. The time table under this new arrangement—see page 70—provides a continuance of the service every four weeks. The first vessel will leave Sydney, December 3, 1885, Auckland, December 8, arriving at Honolulu, Monday December 21 will transfer the mails, passengers, etc. which will go forward the same day, arriving at San Francisco Monday A. M. December 28. It is so timed that the up steamers shall arrive here on Mondays, and the down

steamers on Saturdays following. The steamers from San Francisco will leave there at 2 P. M. Saturdays, arriving here 6 A. M. of the Saturday following, when the steamer for the south will leave as soon as the transfers are completed. Passengers by this route can have the privilege of lay over tickets for the succeeding steamer, if desired. These are the preliminary arrangements at present writing, and may be modified hereafter.

The fine large and well appointed steamers *Mariposa* and *Alameda* of the Oceanic Line, built in Philadelphia especially for this Island trade, are of 3000 tons each, and are steamers that any company might justly be proud of. They have performed a semi-monthly service, leaving San Francisco and Honolulu the 1st and 15th of each month, and have made their passages in seven days with remarkable regularity. These boats have made the passage from San Francisco to Honolulu in five days and twenty hours. Under the new mail service they propose to make the trips in about six and a half days, and in future they will leave San Francisco and Honolulu every two weeks. The head office of the Company is at John D. Spreckels & Bros. 327 Market street, and at this end of the line Wm. G. Irwin & Co. are the agents, with their office in the Spreckels' block, on Fort street. The agents in the colonies are the Union S. S. Co., of New Zealand, L'd., Jas. Mills Managing-Director, with head quarters at Wellington, N. Z., and their agencies at Auckland, Sydney and other ports.

The Oceanic S. S. Co. have also a line of sailing packets, built expressly for the Island trade, most of which ply regularly between San Francisco and this port, while two and sometimes more are detailed as regular packets between San Francisco and Hilo, Hawaii, and San Francisco and Kahului, Maui.

Besides the above, other lines of sailing packets between Honolulu and San Francisco make communications frequent, with reasonable rates of freight. The number of vessels for the coming year promises considerable increase, the various lines being represented here by H. Hackfeld & Co., C. Brewer & Co. L'd., Castle & Cooke, F. A. Schaefer & Co., and T. H. Davies & Co. In San Francisco, Williams, Dimond & Co., 202 Market street are agents of the Hawaiian Line, and Welch & Co., 109 California street are agents of the Planters Line.

The large lumber trade that is done here for which we are dependent on Puget Sound and Coast ports makes opportunities to and from Port Townsend, Seattle, Portland, Astoria, and Eureka of frequent occurrence. Agents at this port are H. Hackfeld & Co., Lewers &

Cooke, Allen & Robinson and Wilder & Co. Several years ago Honolulu enjoyed a line of Portland packets, and it has been rumored that it would likely be revived again, but nothing definite is settled at the present writing. Castle & Cooke were the agents here, and Allen & Lewis and Corbett & Maclay were the agents at Portland, Oregon.

Of Eastern lines, that of Brewer's Boston and Honolulu Packets is the oldest established of all lines now in the Hawaiian trade. Two and sometimes three vessels are dispatched each year. The regular loading months are June and November. The passage out occupies, usually, four months. Charles Brewer & Co., 27 Kilby street, Boston, are the Eastern agents and C. Brewer & Co. L'd., Queen street, Honolulu, are the agents at this port. In the palmy whaling times these vessels used to load return cargoes of oil, bone, hides, etc., for New Bedford, but of late years they have generally gone from here to Manila or Hongkong for a home freight.

Shortly following the passage of the Reciprocity Treaty between the United States and these Islands, a New York line of packets was established by Messrs. W. H. Crossman & Brothers, 77 & 79 Broad Street, New York, who dispatch a vessel about July and December of each year. The line is represented at this end by Messrs. Castle & Cooke, King street, Honolulu.

We next come to the English and German lines of packets, the oldest being the Pioneer line of Liverpool packets which usually dispatches three vessels a year. They generally sail about the latter part of April, August and December of each year. R. C. Janion & Co., the Albany, Oldhall street, Liverpool, are the home agents, and T. H. Davies & Co., Queen and Kaahumanu streets, are the Honolulu agents. These packets occasionally have partial cargoes for Portland, or Victoria, where branch houses of the home firm exist; otherwise they load sugar for San Francisco and obtain grain charters.

A new line recently established is the Island Line of Glasgow and Honolulu packets, of which Peter Denniston & Co., 372 Argyle street, Glasgow, are the owners and agents, and dispatch two or more vessels annually. F. A. Schaefer & Co., corner of Merchant and Kaahumanu streets, are the Honolulu agents. The line is represented in London by Berryman & Turnbull, 27 Leadenhall street, and in Liverpool by Wm Nicol & Co., 4 Brunswick street. Two or more vessels a year are employed. Their time of departure from Glasgow is about April and October. Three vessels are now building especially for this line.

When Portuguese immigration was encouraged by the Hawaiian Government, a few years since, Mr. A. Hoffnung established a line of London packets, to call at the Azores, en route, for immigrants obtainable. Sail gave way to steam later, of which we had three vessels a year. On the inauguration of Japanese immigration this service was discontinued, but at the present writing it has promise of renewal. The first agents of the line here were C. Brewer & Co., but latterly G. W. Macfarlane & Co., corner of Fort and Queen streets, have been the agents. At Madeira Mr J. Hutchinson acts as immigration agent.

The old established line of Bremen Packets still exists, two and sometimes more vessels being sent out each year, loaded with assorted cargoes of staple English and European merchandise for this market. H. Hackfeld & Co., Bremen, are the home agents and Messrs H. Hackfeld & Co., are the agents here. This line used to take return cargoes of oil, bone, wool, hides, etc., but of late they have generally loaded sugar for San Francisco, seeking charters for home ports. The vessels employed in this line are owned by the firm and were built especially for the service.

From Honolulu to ports and islands in the Pacific there are no regularly established lines of trade and communication, unless we except the missionary steam packet *Morning Star*, of which E. O. Hall & Son, corner of Fort and King streets, are the Honolulu agents. She leaves Honolulu annually about June, with supplies for the various mission stations established in the Gilbert, Marshal and Caroline groups. During the past year the Pacific Navigation Co., A. F. Cooke, manager, have dispatched two or three of their schooners on trading cruises among the Marshal and Gilbert Islands. Fanning's Island employs one schooner for communication with this port, and occasionally she makes a voyage to San Francisco, touching here on her return.

Communication with Tahiti, direct, is only by chance opportunity, though a regular service is established between San Francisco and Pepeeiti, employing several sail and one steam vessel, which latter occasionally touches at this port on the up trip.

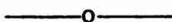
Frequent opportunity occurs for communication with China, by sail, and occasionally by steam, to and from Hongkong. At rare intervals steamers also touch here to and from Japan.

A Mexico-China line of steamers has been talked of the past year, to touch at Honolulu one or both ways, but up to the present writing little is definitely known here as to its plans or prospects.

The arrival of coal cargoes from Sydney and Newcastle, Australia,

and Nanaimo, W. T., are frequent and give employment to several regular and quite a number of transient vessels.

The list of coasting vessels of which many are now steamers—see page 23—afford ample inter-island communication every week for all parts of the islands, and some ports have several opportunities each week. The bulk of arrivals of vessels at Honolulu from island ports are on Saturdays and Sundays and the departures on Mondays and Tuesdays



FRUITS AND THEIR SEASONS IN THE HAWAIIAN ISLANDS.

The following list of fruits of the Islands, indigenous and acclimatized, and their time and duration of ripening, are collected and furnished to the reading public for the first time. The compiler, therefore, does not lay claim to thorough accuracy throughout the list, as closer observation and more uniform seasons than were experienced during 1885 may show needed alterations in the periods here given. It will, however, serve as a guide to strangers and others, and may prove an aid to fruit growers throughout the Islands for further information on this interesting and important subject.

Mr. E. Lycan, of Kalihi, kindly furnishes the following notes relative to varying seasons, according to elevation and time of planting:

“Bananas can be ripened at any time of the year, as it requires 10 to 12 months to bring them to a bearing condition at an elevation of 100 feet above sea level. From 100 to 300 feet, 12 to 14 months, and from 300 to 700 feet, 14 to 18 months. The above refers more particularly to the China varieties. The native varieties differ, some requiring more and others less time to mature.

“Oranges ripen at the elevations given in about the following order: 100 to 500 feet, September to December; 500 to 1,000 feet, December to February; 1,000 to 2,000 feet, February to August.

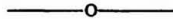
“Pine Apples can be controlled, to a certain extent, in a similar manner as Bananas, but most native varieties ripen from June to August.

“Spanish Cherries have two, and sometimes three crops a year. The two crops ripen in May and September.”

Avocado, or Alligator Pears.....	June to August
Bananas.....	All the year round
Cherimoyas.....	November—December
China Oranges.....	All the year round
Cocoa Nuts.....	All the year round
Custard Apples.....	September—October

Dates	June—October
Eugenie	June—August
Figs	Nearly all the year
Garcinia	May—July
Grapes	June—October
Guavas (native)	Nearly all the year
Guavas (strawberry)	January—December
Java Plums	July—November
Limes	All the year round
Litchie	July—September
Loquats	July—January
Mamme Apple	July—November
Mangoes	June—September
Mulberries	July—October
Muskmelons	June—November
Ohias	June—November
Oranges	All the year round
Papaias	All the year round
Peaches	June—September
Pine Apples	June—August
Pomegranates	June—October
Rose Apples	June—October
Sapota Pear	June—October
Sour Sop	Nearly all the year
Spanish Cherries	May—September
Strawberries	February—September
Tamarinds	Nearly all the year
Vis	June—November
Water Lemons	July—October
Water Melons	May—October
Whampee	July—September

In the course of a few years this list may be considerably extended, as a variety of new fruit-bearing trees have lately been introduced, which promise to do well in our soil and climate.



The very full and comprehensive index for the Annuals, from their commencement, now in course of completion and soon to follow this issue, will materially enhance the earlier numbers for parties desiring to complete their sets, than which no fuller and varied publication, statistical or otherwise, pertaining to the Hawaiian Islands exists. This will be furnished at the nominal price of 25 cents.

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Honolulu, H. I.

MUSIC IN HAWAII NEI.

WRITTEN EXPRESSLY FOR THE ANNUAL BY A. MARQUES.

I.

If it may not prove very difficult to a "kamaaina"* to find out what music is at present in the Hawaiian Islands, it is certainly a very hazardous task to undertake to say something about what music was amongst Hawaiians before civilization came to make a clean sweep of their old customs. The reasons of the difficulty are obvious: 1st, living witnesses are no more, and the younger generation, outside of some very few exceptions, are already ignorant of many of the old ways; 2nd, written authorities are scarce, for the first Europeans who came to these Islands had generally no time and perhaps no taste for inquiring into such a trifling thing as music. I have perused many a book written on these Islands, from early days down to the present time, without finding any musical information worth noticing. One clue however does exist in that navigator who paid with his life the honor of re-discovering and naming these Islands, Captain Cook. This remarkably sagacious and close scrutinizing writer gives the following remarks:

"The dances of the natives of these (Sandwich) Islands bear a greater resemblance to those of the New-Zealanders than to that of the Friendly or Society Islanders (Tonga and Tahiti); they are introduced with a solemn kind of song, in which the whole number joins, at the same time slowly moving their legs. * * * The music of those people is of a rude kind, for the only musical instruments that we observed among them, were drums of various sizes; their songs however, which they are said to sing in parts, and which they accompany with a gentle motion of their arms, like the inhabitants of the Friendly Islands, have a pleasing effect." To the above words, which I here italicize, was appended a note to this effect: "The circumstances of their singing in parts has been doubted by several persons of great skill in music (evidently of the ship's company)—Captain Burney however and Captain Phillips of the marines, both of whom have some knowledge of music, are strongly of opinion that they did sing in parts, that is to say, sing together on different notes."

Lisianski, a Russian who visited these Islands at the beginning of the century, says that the young men and women were very fond of dancing, but their music was of a much ruder kind than that of the So-

* Foreigner who has made a prolonged stay in this country.

ciety Islands, having neither flutes nor reeds, nor instruments of any other sort, except drums of various sizes ; but their songs, which they "sung in parts" with a gentle motion of the arms, were very pleasing.

Later still, Captain Byron, who brought back in the "Blonde," the remains of the Hawaiian King and Queen, who died in London, says : "They were not entirely destitute of music, and the ancient ballads of the country allude to a variety of instruments no longer known ; various kinds of drums are still used, but the most singular instrument is a small double flute played on with the nose. It does not appear that they ever used stringed instruments."

The man who could have best helped in the matter, both from his prolonged and very friendly intercourse with the natives, and from his passage at a period when old customs were still in full force, was Captain Vancouver, who unfortunately confined himself entirely to the description of hulas and dancing, but does not say a word about the nature of Hawaiian music. Thus, it can be seen that the authorities are meager and rather contradictory. However it can be safely said that, whatever may have been the taste and proficiency of the old Hawaiian race for music of some kind, they never have been in that respect as refined as the cognate races of the South Seas. Further, it can also be asserted that the ancient Hawaiians knew of nothing similar to our modern music, with its regular intervals, its progressive scales, either natural or chromatic, and its varied modulations.

What confirms me in this opinion is the very fact of the extension or capacities of their musical instruments, such as the natives now remember them, and by the bye, the former Hawaiians were certainly not so entirely destitute of instruments as Cook makes them out to be, whilst Byron seems to have been much better informed on the subject. I am indebted to the kind courtesy of H. R. H. Princess Liliuokalani for the following list of Hawaiian instruments :

String : *Ukeke*, the nearest to the Jew's harp, was of two kinds; one, the long one, was a flat strip of flexible wood, mounted with two strings of coco fiber, on pegs to wind them up to the proper tones, at the interval of a second or a fourth. Some ukekes had a third string tuned to a third. These instruments were used by bringing the top against the mouth and singing or humming against it, whilst at the same time working the fingers on the strings. My impression is that these instruments must have been as similar as anything can be to the primitive Greek Lyre. The small Ukekes were merely sticks held against the mouth whilst the performer sung or spoke.

Wind: *Pua*, was a gourd pierced with three holes; one to put against the nose to blow through, the other two to be stopped with the fingers, producing a primitive model of the celebrated instrument "newly" invented, and called ocarina or some other fancy name. *Puas* were also made of a joint of Bamboo with the nose hole on one side, and two finger holes at the other end; this was properly the nose flute.

Percussion: *Drums* of different sizes and made principally of coco shells, of calabashes and of wood, covered at one end with tightly drawn skin: The small ones were pounded upon with a piece of coco fiber rope, the larger ones with the hand, or, as now done for hula-dancing, merely thumped on the floor, and slapped upon with the palm of the hands or with the fingers. *Kaeke* was simply two joints of bamboo, open at one end, so as to produce a hollow sound when knocked about. *Puili* were long pieces of stripped and split bamboo, knocked one against another, generally held by two people. The percussion instruments only served to mark time, but did not give any musical intonation, as the European Tymbals do.

But now is the place to remark that all the other Hawaiian instruments, both wind and string, were constructed for giving only *two* or at the utmost *three* notes, evidently corresponding to the two or three notes used by the singers. It can thus be safely inferred how primitive must have been the old Hawaiian idea of music, whose few notes were varied and rendered attractive only by the changes of velocity and of expression, and by the variety of accentuation given on the numerous vowels of the language. Further it can, I think, be said that music, such as it was, was only used formerly as an accompaniment to poetry or dancing, never alone as we do. *Meles* were either recited or chanted. When they were also "acted," they took the name of hula and thence designated the well known dances, which were nevertheless nothing but explaining by appropriate gestures the ideas expressed by the mele.

As far then as I can judge, from the authority of all the intelligent natives I have had occasion to consult on the subject, and from what I have been able to hear myself of pure native mele and hulas, I think the old Hawaiian music could have been divided into two classes, which, for the want of a better definition, I shall here call the chanting and dancing ones. The first included all the incantations and mele which were simply sung, hummed or recited. They were mostly on one single prolonged note, occasionally varied by a quavering of the voice on two notes in

major second, which could be accurately termed shaking or trilling. The other class, the true singing which accompanied hulas or dancing, was constructed on two, three or four notes, the principal of which were : the dominating one, or tonic C, and its inferior fourth, or dominant G, the others being, the most common, the semi-tone below the tonic, or sub tonic B ; less common a tone above, or super tonic D, and more rare still a major third, mediant E. I have never heard in old music, of the sub-dominant F being used, and have only once heard the sub mediant A. The ordinary music to hulas was thus formed of combinations of C and G, of C B C and G, and of G C and D. Some finals were made of C E C E C, and one tune could have been nearly translated by A C D C. But the most complete I have heard, was a huli-huli made out of G C B C D E with finals in D G and E C. As can be clearly seen by the above, all these combinations only sketched out two of our most important modern chords,—tonic and dominant.—The chords of the sub-dominant, and of the dominant with its seventh seem to have been missing, and what use of them is made by modern Hawaiians, they have evidently learned of western civilization. Singing in unison was probably the most common; yet that the ancient Hawaiians did really sing in parts, I do not now doubt, though their part singing may not have been anything near to what we call part-singing. The part singing I have heard in hula, was either *two parts*, the men singing the air and the women singing one octave and a fifth above, or else *three parts*, two as above, and an intermediate one, chanting simultaneously on the mediant or major third. This did really produce harmony, but of what kind according to our modern notions, will be explained by remarking that whilst the highest and lowest parts sung as I have said, in fifths, both following scrupulously the melodic design and producing what we call consecutive or forbidden fifths, the intermediate part kept on the mediant of the tonic, even when the other parts passed to the dominant. Yet the effect of these combinations, often quite pleasant, was never as discordant as might be anticipated from the description, and any disagreeable sensation was avoided by the perfect time and “ensemble” of the performers. I have never heard four parts, nor anything approaching our fundamental bass parts, whose office in the Hawaiian music seems to have been taken by the thumping of the calabashes on the ground, whilst the brisk snapping of the fingers on the same marked the pulsations and their sub-division. Here I may add that all the Hawaiian meles were very clearly divided into regular phrases of two or four bars of equal time, and that every verse or strophe was made of 8 or 16 bars ; and if the poetry

was deficient in length, the singers or dancers made up the deficiency by counting time or bars, whilst the movement was being kept up by the accompanying instruments, calabashes or drums, or ukeke sticks.

This leads me to speak about time. Though having a very correct notion of simple time and a very accurate sentiment of its variations,—some of the oldest meles and hulas being remarkable for changes of time wonderfully executed—yet the natives seem slow to understand and grasp some complicated movements; in fact the only time that seems absolutely natural to them is 2-4 or 4-4, c, in every shade of velocity. But the 3-4 and 6-8 do not seem so natural to them, and I hold even, from the authority of that thorough musician, our virtuose band master, Mr. H. Berger, that he has always had most trouble in making natives keep good time in Mazurka or valtz movements, and in 6-8, 9-8, or 12-8; their tendency is, it would seem, to hurry up the last 2 beats out of three, so as to bring the swing of it gradually near to the 2-4 divided up in one long beat followed by two short ones falling again on the long one of next bar, similar to the movement characteristic of the "Bourree" (or also similar to the polka step, only here it is reversed, two short beats falling on one long one), and this last kind of movement is precisely the characteristic accompaniment to many hula dances. Of course natives have never taken to those special movements in 3-4 which characterise the Spanish Fandango and Bolero, and the Teutonic Polonaise. That these difficulties of time can however be overcome, is shown by the immense repertory of difficult operatic music so well played by the Royal Hawaiian Band, which under the leadership of one foreigner, is composed exclusively of natives. But probably it needed Mr. Berger's patience and practical talent to smooth the deficiency, and certainly at present any of the band boys—and after them many native amateurs,—play and beat a valse movement as regular probably as it can be attained.

However, the peculiarity of the ancient Hawaiians being restricted to one kind of time, together with the number of their musical notes being so few,—two only for the chanting or recitative, whilst the singing only disposed of a couple notes more,—render more astonishing and wonderful the results and effect they did obtain through them: and after hearing the immense quantity of most diversified meles and hulas they managed to invent, it must be confessed that doing so must on such small basis speaks most favorably of the natural genius and versality of the race.

But hulas and meles being foreign to my real object, music, I shall not insist any further, except that it will not be out of place here, to re-

mark that both the chanting and the hula of the Hawaiians are not by any means original, or special with them. In fact, when I first came to Honolulu, I was struck by the discovery that they were in many cases identical with songs and dances which I had seen or heard in the northern provinces of Africa. At the present time, the Arabians chant on one, and sing on two or three notes, and wail their mourning in exactly the same way as the old Hawaiians, which might be taken as a proof in favor of Judge Fornander's theory, that this race might not have been absolutely foreign to the old Arabic stock. The same remark was made by H. M. King Kalakaua who, when traversing Spain, recognized some very characteristic hulas, both in gestures and *music*, in some of the Aragonese national dances, which could be accounted for by the fact of having been introduced in Spain by Moorish conquerors. And let it be said that the fact of the Arabic chanting not being devoid of musical poetry, is proved by the very popular use made of it by Felicien David, who first started his reputation with the very chants he brought back from the desert. No wonder then that all the early visitors here agree in finding the general effect of Hawaiian music very pleasing.

II.

Thus much I can say of the ancient Hawaiian music. Coming to the more modern state of art, I think it cannot be denied that the actual taste and faculties of the natives for music are due to the influence of the religious singing introduced by Missionaries. I have been told that the first attempt of new converts to join in the singing of the religious services, was quite ludicrous: it took them some time to overcome their chanting routine, and in fact even at the present day reminiscences of Hawaiian chanting can often be heard, especially in the Catholic services, and whenever several vowels come together. However, it appears that after very slight exertions, two parts were obtained very satisfactory, *seprano* and *bass*. The other two parts took much more time and trial, but, be it said to the credit of the natural vocalistic and imitative powers of the Hawaiians, four part singing was obtained in a time remarkably short for barbarians.

After becoming acquainted with European hymn singing, the most musically disposed natives began to think for themselves, and simple airs, at first very short and hardly distinguishable from the old chanting, were invented and applied to *meles*, or Hawaiian verses. Then gradually the composition power grew bolder, till the real native modern songs,—with

which most people here are now familiar—were brought forth, many of which have been composed by members of the present Royal family.*

It is not therefore astonishing that the native melodies, though simple, graceful and effective, lack decided originality; more or less, they always remind one of some quaint old English ballad, and for my part, I really enjoy a true Hawaiian mele nicely chanted, better than I do one of the later Hawaiian compositions. Furthermore, whatever has been the native progress in music,—and it has certainly been very noticeable in the last twenty years,—and though many Hawaiian men and women have very fine voices, which they use to very good effect, (for I never have heard a native sing false, out of tune or of pitch),—yet they do not seem to assimilate readily all kinds of European music. A proof of this, I believe, can be found not only in the fact that all native compositions are of the same style, but that in spite of the diversified and fine music so beautiful played by the Royal Hawaiian Band, it is very rare to hear any of the tunes played by it, become really popular; it is very rare to hear a tune caught up and whistled about by natives, as is instantly done by all European or American “gamins.” I think the first strain of Pinafore’s opening chorus was one of the notable exceptions, and this may perhaps be accounted for by the simple harmony of that piece, which reposes on the two fundamental chords favorite to natives.

However, at the present time, the Hawaiians certainly have a very marked natural disposition for singing simple melodies, to which they readily add harmonious accompaniments; they get up, improvise as it were, some very nice quartettes of male voices, either the two highest parts being sung in head voices or falsetto, to one bass and one tenor, or the three male voices accompany one male soprano or falsetto. They seem to take their predilection for head tones from the Chinese, who thus sing all their airs, and consider as atrociously “barbarian” the use we make of chest tones, whether they be tenors, baritones or basses. The Hawaiian part singers display their natural taste in their accompaniments which are agreeable and satisfactory, in fact quite complete, though simple; but where their natural skill especially appears, is in the feature of the tenor part, which is considered by all our composers, as the most ticklish. At any rate, if not absolutely and theoretically correct, or if devoid of

* It may be well to note here that I consider that one of our best authorities, both on the ancient Hawaiian music, and on the musical propensities of the present natives, ought to be Rev. L. Lyons of Waimea, Hawaii, who has done good service in selecting the best suited European 4 part songs and adapting them to natives words, forming a most useful repertory for Hawaiian Schools; four volumes I think, have been published, and they have most probably helped to mature the Hawaiian taste for modern music.

learned modulations, their harmony sounds well, and the ensemble of their four-part songs is always very pleasing.

The Tahitians have always had a wonderful natural talent for improvising songs, words and four-part music, and the French have cleverly and wisely fostered that taste by having on all public holidays and festivals, special "concours," with handsome prizes for the best *himenes*—this word being the Tahitian for chorus singing, evidently from the hymns sung by their first christian missionaries. I have been unable to learn if the faculty of composing four part himenes was natural, inherent with the Tahitians, or whether they have simply adapted their own musical native genius to clever imitations of their civilizers' hymns. One thing, however, I know, and that is that their compositions have a character of their own, though somewhat similar to the Hawaiian compositions, and many Tahitian songs are easily learned and sung by Hawaiians. But I can nearly always tell from the start, a Tahitian song from an Hawaiian composition, the former being always sparkling and lively, whilst there always seems to be, in the Hawaiian effusion, a certain languor and melancholy.

Hawaiians do not seem to take much, nor readily, to our instruments ; either piano, or wind and string. But they are exceptionally fond of the guitar, and they play it as a solo instrument, with a tenderness, a softness which speaks well for the delicacy of their feelings. They also extensively use the guitar to accompany their modern meles and even their hulas : of late they have taken to the banjo and to that hideous small Portuguese instrument now called "taro patch fiddle." I suppose there are few native houses, in which a guitar of some kind cannot be found. They learn quickly to play on it, but generally restrain to six or eight chords or keys, and I believe they commonly adapt their melodies specially to an accompaniment in C major, in which they give important scope and display to the bass. Though not using much of the formerly unknown scale in upper voice parts, yet they seem to enjoy it to its full extent in the accompaniments. Thus, taking any of their simple melodies, and starting the guitar on the chord of C, after a bar or two, they run up the basses alone on C. D. E. F., and strike a few chords on that subdominant (or fourth, sixth, eighth) ; then run the scale back F. E. D. C., on which last they take a few chords of tonic, then the scale runs down C. B. A. G., this last bringing the dominant with its seventh, after which the bass returns in scale G. A. B. to the final tonic chord of C.

I would not like to be positive in the assertion, but I think that most of the native modern musical inspirations are in major keys, notwith-

standing their tendency to melancholy, which make their music differ from the Chinese, in which one easily hears discernable minors, quite "flebile" as the Italians would say.

I suppose the next thing in the order of this study, would be to try to follow the historical growth of concerted music in this country, had not my notes already exceeded the space they ought to occupy. As far as I have been able to ascertain, the first attempt to a brass band amongst Hawaiians was about 1855, when a Mr. Merseburgh started an organization which did not live long; after this, W. H. Bond organized a kind of band about 1869, but composed mostly of foreigners: it is said to have lasted off and on till about 1871, when the first regular Royal Hawaiian Band was organized under the leadership of the clever artist C. B. Northcott, who staid only about a year: he was succeeded by a Frank Medina who happened to pass here with Brook's Minstrels, but got heavily in debt and cleverly absconded on the "Nebraska," disguised as a negro. Then Mr. H. Berger being sent for by this Government, came with special permission from the German Government, and has ever since been in charge, except during a temporary absence; but it can be said in due justice to Mr. H. Berger that no other leader ever so well and thoroughly succeeded with native players as he had done. It is probable that part of Mr. Berger's success is due to his faculty of drawing from the Reformatory School band which is also under his tuition. Since the formation of Mr. Berger's bands, there have been quite a number of Hawaiians capable of playing wind instruments, and at present several of the boys of the Royal Hawaiian Band form a very creditable string orchestra for dance music.

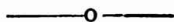
Outside of the natives, there does not seem to be any other place in the world, where music is more considered than in the Hawaiian Islands, or at least where so many pianos are to be found in proportion to the number of the population. But outside of piano playing, very little attention indeed is devoted in this community to instrumental music, and a small organization created by the writer, composed at one time of 14 pieces, under the name of "Symphony Club," has been the only attempt at orchestral symphonic music; and for the time it lasted, between 1881 and 1884, it seemed to give great satisfaction to the public, and really did very well, considering the elements who constituted it. It is a pity that an unfortunate split occurred, since which the separated elements have been unable of doing anything at all in that musical line. Of the other musical organizations, church choirs, native and foreign, and of different singing associations, such as the Amateur Musical Society, Mr.

Berger wrote in last year's Annual, so I have nothing more to add here. But it may be fair to state now that our Portuguese element, who are very musical and have already had a band in Hilo, are preparing to organize a brass band of their own in Honolulu, and their success would furnish us a new element of enjoyment.

As for our technical resources, Honolulu is favored with quite a number of very distinguished music teachers, and of course, music is taught in all the schools, but as a rule the musical course is a mere sham, except at Punahou College, where excellent instruction has been given for years, in Piano and singing only, by Mrs. Hanford, and at Saint Louis College. This latter college will, in a very short time, furnish the community with a number of well trained and efficient players,—natives and foreigners,—on both string and wind instruments, for which we shall have to thank, not only the worthy brothers, but also a distinguished Belgian cornetist, Mr. Chas. Michiels.

In such a music loving country as this, and especially with the wonderfully improved dispositions of the natives, it would only be justice to have a regular *Conservatory* of music, as has been suggested, already years ago, by my musical friend, Mr. Wray Taylor. The writer aimed to help this creation by starting, in the Honolulu Library and Reading Rooms, a special department of musical works, for reference and for stimulating the taste for reading music ; but it is to be regretted that the project did not meet with sufficient public response and appreciation.

I now hope that these notes, however incomplete and perhaps inexact as they may be found, will be the cause of some further elucidation on a subject which, in an isolated community like ours, ought to be a still greater source than it is, of enjoyment and harmony.



NOTE.—The Hawaiian Almanac and Annual makes its twelfth bow to the public with this issue for 1886. Comparing it with its first number, we may be pardoned a satisfied feeling at the result of our labors. Through a liberal advertising patronage and increasing editions the reading public has been served at no increased expense, though the pages of the Annual have doubled in number and more than trebled in quantity of table and reading matter. Appreciating the confidence and encouragement bestowed we shall continue in the path the Annual has made for itself, and strive to make each issue an improvement on its predecessor.

RETROSPECT OF THE YEAR 1885.

At the closing of last Annual's retrospective article preparations were being made and instructions sent out for taking the census, as provided by law every six years. The enumerating occurred on the night of December 27, 1884 and on gathering up the blanks and completing the tabulation and classification some two months later, the result showed a total of 80,378, (as shown on page 6,) a gain over the last census of 1878, of 2,393 souls. For reasons best known to the Government, new hands for the most part were entrusted to perform this important work, with such instructions as have given ground for questioning the accuracy of the records and the classification, observant residents believing that Natives are classed too high and Chinese too low.

Currency matters have caused not a little friction throughout the year. The gold law has not been carried out, the government itself ignoring its provisions in the effort to force into circulation the Hawaiian silver. On May 4th, last, the bank of Spreckels & Co., formally established itself in this city and afforded a seeming relief by selling exchange on San Francisco at 60 days sight, at par, for Hawaiian silver or certificates, but not a few have looked upon the step as directly checking the possibility of getting upon a gold basis. United States gold has commanded 5 and 6 per cent premium since the early part of the year. The Chamber of Commerce sought to aid the government in the solution of the difficulties consequent upon a larger amount of Hawaiian silver coin and a smaller quantity of U. S. gold coin than was needed for the circulating medium of the Islands. The committee of the Chamber failed to meet with a reciprocal spirit at the hands of the Government, so little good came of it, beyond a "By Authority" notice that a special deposit of Hawaiian silver would be placed in the Treasury to equalize the Hawaiian Certificates of Deposit and render the same of gold value.

Since last writing the Islands may be said to have experienced a year of peculiar weather. The rain fall has been larger and more generally distributed throughout the group than usual, especially during the summer months. The rains of last winter varied little from those of several preceding winters, but during the month of July heavy rains did much damage to roads, bridges, flumes, landings, etc., in various parts of the islands. May also brought copious rains. On the 27th and 28th of July occurred the severest storm known to these islands for many years. The wind at the time was Eastward of the regular "trades." The wind

for the most part during the year has been variable, largely Southward, with a temperature correspondingly oppressive.

The water supply for Honolulu has had fewer restrictions upon its use than for years past, though at the present writing indications of care for the Makiki supply are noticeable. The contemplated extension of the Water Works by building storage reservoirs at Luakaha, Nuuanu Valley, and at the base of Punchbowl, from plans of Major Bender, have not yet been taken in hand, though the mains ready therefor have lined the upper part of the valley road, for over two years past.

Immigration matters have continued to claim the attention of Government and planters, and 1885 witnessed the inauguration of Japanese labor, under what may be termed favorable auspices. Two installments of immigrants have already arrived, the last lot, however, had so small a proportion of women, as to occasion not a little dissatisfaction. Trouble has also arisen with several allotments to various plantations, which has led to the promulgation of new rules by the Board of Immigration and the recognition by the Government of a Japanese Inspector with power to interfere with the working of its own laws in disputes arising between employer and employee. Planters will naturally seek to guard themselves against such authoritative interference, should the immigration of Japanese continue.

The Portugese immigration service, which was suspended in 1884 when the Government took Japanese immigration in hand, is taken up again, a vessel having recently left Liverpool for the Azores under Mr A. Hoffnung's experienced supervision for the selection of such as are desirous of coming hither. A large number of Chinese have come into the country during the past two years, notwithstanding the regulation notice of the Foreign Office in March, 1884, restricting the number by any one vessel to twenty-five, excepting returning residents with passports. This rule has recently been re-promulgated, owing to the evident wholesale evasion of restrictions, with instructions for more rigid examination of passports and identification of holders.

The period under review has been a trying one for the commercial and planting interests of the islands. The low prices that have ruled so long for our principal products, together with currency difficulties, have checked the prosperity of the country and forced a spirit of economy in all branches of business undertaking. A larger number of failures have occurred this year than usual, of which the greater proportion were Chinese. Notwithstanding the general dulness prevailing, real estate, of which there have been several large and important sales, has maintained

full figures. Building for the year has been quiet, the new edifices of importance being the Bishop Hall of Science, at Punahou, the Station House and Police Court on Merchant street, which was begun in 1884 ; Fishel's new store, corner of Fort and Hotel streets, and the Chinese Club building on King street. Several new residences have been erected and improvements made, but there has not been activity enough to retain all our mechanics, quite an exodus being noticeable this year.

Newspapers have felt the severity of the times and proved the truth of the assertion that there were too many in the field, consequently, the *Daily* and *Weekly Hawaiian* and *Saturday Press* have retired. A new morning paper, the *Daily Honolulu Press* succeeded the latter and is working its way into public favor.

Consequent upon the above reported condition of trade the imports naturally show another decline this year. For the nine months ending September 30th, the totals of all imports at all ports—including specie—were \$3,193,534.93, against \$4,113,171.47 for the same period of 1884, a deficit of \$919,636.52, as shown by the following table.

JAN. 1 TO SEPT. 30.	VALUE FREE BY TREATY.	GOODS DUTI- ABLE.	SPIRITS AND GOODS BONDED	FREE BY CIVIL CODE.	SPECIE.
1884.....	1,917,967.71	1,020,615.28	201,541.76	206,252.57	766,794.15
1885.....	1,593,837.49	734,723.20	141,843.71	162,047.18	561,083.35
DECREASE	324,030.22	285,892.08	59,698.05	44,205.39	205,710.80

The exports for the same period show a satisfactory increase in our main article of produce, sugar, though it is a matter of regret that the bulk of other exports have declined and that the list is narrowing all the time. Up to September 30th. the sugar exported amounted to 140,644,276 lbs, a gain over the same period of 1884 of 25,094,824 lbs. The total value of all exports for the nine months was \$7,665,116.70, a gain over the corresponding period of 1884 of \$638,004.44.

Passenger movements for the same period of 1885 shows a total of 6,204 arrivals, of which 2,664 were Chinese, 1,961 were Japanese, 340 were Portugese and the balance, 1,239, were all other nationalities. The departures up to September 30, 1885, were 2,433, of which 875 were Chinese, 157 were Portugese and the balance, 1,041, were all other nationalities. For the above figures we are indebted to the courtesy of Col. C. P. Iaukea, Collector General of Customs.

In the extra care used to obtain all the yield of sugar from the cane produced, a number of mills have adopted the maceration process, whereby from 15 to 23 per cent—according to perfection of mill—of sugar is saved and the trash, or begass, is the earlier serviceable for fuel, even

on those plantations that have not adopted patent furnaces. These alterations of sugar mills and other changes in plantation machinery have kept the Honolulu Iron Works employed to its full capacity for months past, requiring a double gang for day and night shifts in order to complete contracts in time. There have been no extensions of plantations since last issue, yet the statistics of the sugar yield for 1885, as far as obtainable at the date of this writing, (Nov. 20) indicate very clearly that the total will reach 80,000 tons, the largest crop the Islands have so far produced. Owing to the propitious weather this year for cane growing, and the improved machinery referred to, good judges estimate the coming crop at 85,000 tons.

The report on rice, unfortunately, is not so favorable. The high winds and heavy rains caused considerable damage in many districts, some crops being entirely ruined. The exports, so far, show a decline from last year's figures of nearly 1,800,000 pounds, though it is to be borne in mind that with the steady influx of Chinese and the introduction of Japanese, the local consumption has correspondingly increased.

It is pleasing to note that fruit growing has received quiet an impetus this year, Mr. E. Lycan, at Kalihi, importing a number of varieties for improvement and test for home and export demands. In this line also the government nursery, under Mr. A. Jaeger's supervision, is doing a general public good in testing and acclimatizing many foreign fruit trees and distributing the same to whoever will properly care for them.

Ramie is again attracting attention and an improved machine, recently tested by the Hawaiian Ramie Company, has demonstrated the fact that the fibrous plants can be prepared in an unbleached marketable state, very readily. Prices for such grades in the East and in Europe, are sufficiently remunerative to leave a handsome profit, more especially as several crops a year of this plant are produced from the same planting. Various new enterprises have been taken hold of this year that promise well, principal among which on account of its importance and far reaching benefits to the nation itself is the Colonization or Homestead project promoted by Mr. B. F. Dillingham Esq., to include the Honolulu, Kawaihoa and Kahuku estates on this island of Oahu. These estates comprise some 115,000 acres, which, together with the large runs of cattle, horses, etc., it is proposed to incorporate into a joint stock company (particulars of which are given in a preliminary prospectus on pages 82-85.) Since last issue, the Hawaiian Stone Company have commenced to utilize the limestone obtainable at Waimanalo in the Honolulu tract, Oahu. It is brought to Honolulu where the company have

erected a kiln, and are now in a position to supply a large share of the Islands needs.

Another important step taken this year, of special interest to the travelling public, is the opening up of the new route to the volcano Kilauea, by way of Keauhou, by Wilder's Steamship Company, on the 23rd of last June. This route via Hilo, promises unequal facilities for convenient and expeditious sight seeing of our famed volcano; the road from Keauhou to the volcano being fourteen miles. The volcano house has been put under the management of Mr. J. H. Maby, and faithful guides are in attendance to conduct tourists down into and across the crater, as may be desired. The new route opened up with quite an excursion party who were enthusiastic at the completeness of everything at the different points on the route, and the prospect bids fair for the roughness of such a trip being reduced to a minimum under the present management. The route by way of Kau, by the Inter-Island Steam Navigation Company also offers excellent facilities, and by either line tourists can make the round trip from Honolulu for \$50.—this sum covering all expenses for horses, guide, volcano house and steamer fare.

Mention should have been in last Annual of the inauguration of the Postal Money order service, between the United States and Hawaii, the first order having been drawn January 1, 1884. During 1885 this service has been extended to Hongkong, England and Portugal. The first orders drawn on these respective countries, in their relative order, were, May 30, August 26 and August 31, and there is an early prospect of this new branch of our postal service including Germany also.

An excursion party, under royal auspices, made a trip this last summer by the steamer *Planter* to the island of Nihoa, distant from Honolulu about 250 miles to the northwest. Interesting accounts of the trip were given in our local papers on their return. The party sailed from Honolulu July 20th. touching at Kauai, en route and returned on the 26th, of the same month.

Fires, fortunately, while they, have not been numerous this year, they have been severe; two of them being accompanied by loss of life, viz., at the Fort street fire of Bertleman's planing mill and adjoining buildings and at the Hotel cottage fire. The Fishel's fire, corner of Fort and Hotel streets was the most disastrous, perhaps, to property, but it is the only prominent burnt locality of the year that has been built up. The Alakea street fire of Mr. Wale's and adjoining premises, destroyed some \$4,000 worth of property, which has been fully repaired.

The necrology record for 1885 claims a number of persons of mark who were well known beyond our shores, among which we note George Fassett, manager of the Hawaiian Hotel; Mrs. Lowell Smith, a missionary at these islands since 1833; Rev. Dr. S. C. Damon, for 42 years Seaman's chaplain at Honolulu; Captain J. M. Oat, sail maker of this port since 1854; Thomas Cummins, an early resident and large landed proprietor; Queen Dowager Emma, relict of Kamehameha IV., and founder of the Queen's Hospital; Judge B. H. Austin, second associate Justice of the Supreme Court; Joseph Tilden, manager of Hawaiian Hotel; J. L. Richardson, manager Waianae Plantation, and ex-Governor P. Kanoa of Kauai.

Queen Emma died suddenly at her residence corner of Nuuanu and Beretania streets, Honolulu, from apoplexy, April 25th. The funeral was to have taken place on the 10th of May from the Kawaiahao stone church, whither the remains were borne the night previous, but heavy rains deferred it till the 17th, when, amid great Hawaiian pomp and regal display the body was borne to the Royal Mausoleum in Nuuanu valley and placed beside her husband and son.

Sanitary matters have been prominent before the public, and the health of the community ignored till the long continued do-nothing-ness of the Board of Health forced the press to expose the disgraceful condition of certain quarters of the city; since which, a new series of resolutions has been promulgated and there the matter will perhaps end. The *Yamashiro Maru* with emigrants from Japan brought several cases of small-pox on their arrival, but by good fortune and confinement of the emigrants at the quarantine grounds, it was confined and checked among themselves.

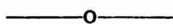
A subject of solicitude to the well wishers for the health, happiness and prosperity of Hawaiians, occurred in March last when, by act of the King in Privy Council, liquor licenses for the out districts on the other islands, were made permissible. Yet in spite of this evidence of Governmental leaning toward the liquor traffic, temperance workers are not discouraged in their effort to combat the evil.

Amusements have claimed more than usual attention this year. Honolulu now boasts two spacious skating rinks and one roller coaster. We have been favored with seasons of mirth and minstrelsy: intellectual treats from noted lecturers; two seasons of opera and two circus companies. The base ball season afforded considerable interest to Honoluluans this year in the weekly recreation of the several clubs, viz: Oceanics, Honolulu, Married Men and Pacifics, besides several youthful aspiring

clubs representing the various schools In the series of match games the Oceanics came off victors by winning nine out of a total of eighteen games. The boating season followed, practicing for the annual regatta, Nov. 16th, the King's birthday. Four regular clubs entered the field, so to speak, besides several matching crews representing various trades and callings.

Our retrospect would be incomplete did we fail to record the introduction this year of steam for the missionary work in Micronesia. The fine new barkentine *Morning Star* with steam auxiliary, arrived here from Boston, March 15th, and left for her field of labors May 2nd, expecting to visit important points further westward than had yet been visited, but owing to sickness of Rev. A. A. Sturgess she returned direct from Ascension, arriving here Oct. 24th.

Reference is already made in our article on Honolulu packet lines of the change in the Australian mail service whereby Honolulu is to be the terminal, or transfer port to connect with the Oceanic line. At the present writing the service has the promise of a direct line being continued by the *Zealandia*, *Australia* and one other vessel, between Sydney and San Francisco, to touch as usual at Honolulu both ways. Messrs. H. Hackfeld & Co., will continue to be their Agents.



MARINE CASUALTIES, HAWAIIAN ISLANDS, 1885.

Dec. 11, 1884.—Schooner *Kekauluohi* went ashore at Hanalei, Kauai and became a total wreck.

Dec. 18.—Schooner *Waimalu* carried away her maintopmast head in, heavy weather in the Molokai channel. She kept on her course to Hilo.

Jan. 26, 1885.—Schooner *Marion* went ashore at Punaluu, Oahu, and became a total wreck.

March 9.—Boat from schooner *Ka Moi*, while loading at Kaiwila-bilahi, parted her warp and capsized, killing one of the crew, John Montair, a native of Cape de Verde Islands.

April 10.—Schooner *Ehukai*, with part of cargo on board, dragged her anchors and went ashore at Waialua, Oahu. The tug *Eleu* was sent down to tow her off and bring her to port.

April 17.—Steamer *Kinau* struck a rock, half a mile from shore, off Honuaula, Maui, sustaining, however, but slight injuries.

May — — Steamer *Kilauea Hou* touched on the reef at Makena, Maui, necessitating going on the marine railway to ascertain the extent of injuries and effect repairs.

May 8.—Schooner *Malolo* during a heavy sea carried away her main-mast head, at Laupahoe. She completed loading a full cargo of sugar, and came down under foresail and jib and was towed into port.

July 1.—Steamer *C. R. Bishop* grounded at Waialua, Oahu, and was assisted off by the *Planter*, without material damage, as she continued on her trip to Kauai.

July 24.—Schooner *Nettie Merrill* met with heavy weather in the channel, and returned to port with loss of sails.

July 26.—Schooner *Pohoiki* was capsized and lost, three miles off Napuuapele, Hawaii. The Captain and one or two of the sailors were badly bitten by sharks in getting to the boat, so that the former died, after much suffering. His wife and son were drowned. The balance of the crew landed at Kona, after three days of intense suffering.

July 28.—Schooner *Liholiho* stranded at Waimea, Kauai, during a severe blow. She was afterward lightered off and towed to Honolulu for repairs.

July 28.—Schooner *Mary E. Foster* lost her rudder during the same blow, at the same place, and was towed to Honolulu by the *Iwalani*.

August 27.—Schooner *Ka Moi* sailed for Pohoiki, Puna, Hawaii, anchoring there Sept. 3. Got under weigh Sept. 5th, during heavy weather, and has not been heard of since. She had a crew of nine persons, all told, on board.

October 31.—Schooner *Emma* was discovered on fire in her fore-castle, in Honolulu harbor at 3 A. M., but through the prompt aid of the fire department she was saved.

Nov. 9.—American bark *Hope*, engaged in the lumber trade between Honolulu and the Sound, caught fire at Port Ludlow, W. T., and was scuttled and saved after strenuous efforts.

Nov. 23.—Barkentine *Morning Star* returned to port with loss of sails, through stress of weather off Kona, Hawaii.

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SOME HAWAIIAN CONUNDRUMS.

1. *Nane.* Kuu punawai kau i ka lewa. *Haina.* Niu. My spring of water high up in the clouds. Ans. A cocoanut.

2. *N.* Kuu wahi manu maka momona. *H.* Oo. My little bird with big eyes. Ans. The oo. (The bird that furnished the two feathers taken to make a Hawaiian chief's feather cloak.)

3. N. Kuu laau, kokolo ke aa moe ka lau : mohala ka lau, moku ke aa. H. Waa. My tree : when the root holds, no leaf will grow : when the leaf grows, the root is broken. Ans. A canoe, with its anchor (the root) and its sail or paddles, (the leaves.)

4. N. Kuu kua kani loa, aole kau e pio ai. H. Nalu. My kapa beater (stick used in felting or pounding out the bark of the paper mulberry, used by the Hawaiians formerly as their cloth to make their garments, sheets, &c.,) that makes such a noise, and I can't stop it. Ans. The surf.

5. N. Kuu wahi puko ula i ka moana. H. Anuenue. My bundle of red sugar cane in the ocean. Ans. The rainbow.

6. N. Kuu wahi hale iluna ka waha. H. Waa. My little house with its door on top. Ans. A canoe.

7. N. Kuu wahi kuahiwi, laau liliu. H. Poo. My mountain with little trees. Ans. The head with its hair.

8. N. Kuu manu, elua nuku. H. Waa. My bird with two beaks. Ans. A canoe.

9. N. Kuu mau waa, he umi ihu. H. Wawae. My ten beaked canoes. Ans. The feet.

10. N. Kuu moku, maluna ka iwikaele. H. Hale. My ship with its keel on top. Ans. A house, with its ridge pole.

11. N. Kuu manu, hookahi eheu. H. Waa. My bird with one wing. Ans. A canoe with its paddle.

12. N. Kuu ipu pakaka poi pakaka, koko helelei wale iho. H. Honua, lani, ua. My big dish, with a big cover, dropping in pieces. Ans. The earth, the sky, the rain.

13. N. Kuu wahi hale, ewalu oa, hookahi pou. H. Mamalu. My house with eight rafters and one post. Ans. An umbrella.

14. N. Kuu manu, e mahiai i ka ai, a waele i ka nahelehele. H. Oo. My bird that cultivates the ground, and clears out the weeds. Ans. The oo, (which is the Hawaiian word for a spade, or rather spud, as well as for the bird before mentioned, 2.)

15. N. Kuu imukalua loa a loihi. H. He. My long under ground oven. Ans. A grave.

16. N. Kuu manu noho pu me na kanaka. H. Pueo. My bird, always in my house. Ans. The owl, *pueo*, which is the Hawaiian name both for that bird, and for the strings that tied together the frame of a Hawaiian grass house.

C. M. HYDE.

North Pacific Missionary Institute, Honolulu, H. I.

TIME TABLE FOR THE AUSTRALIAN AND SAN FRANCISCO MAIL SERVICE FOR 1885-6.

Approved by the Postmaster-General of New Zealand.

To San Francisco and London.

LEAVE SYDNEY.	LEAVE AUCKL'D	LEAVE HONO'LU	ARRIVE S. F.	ARRIVE LONDON
Thursday, 4 P.M. 1885.	Tuesday, 2 P. M. 1885.	Monday. 1885.	Monday. 1885.	Wednesday. 1886.
December 3....	December 8.... 1886.	December 21... 1886.	December 28... 1886.	January 13.
December 31... 1886.	January 5.....	January 18.....	January 25.....	February 10.
January 28.....	February 2.....	February 15....	February 22....	March 10.
February 25....	March 2.....	March 15.....	March 22.....	April 7.
March 25.....	March 30.....	April 12.....	April 19.....	May 5.
April 22.....	April 27.....	May 10.....	May 17.....	June 2.
May 20.....	May 25.....	June 7.....	June 14.....	June 30.
June 17.....	June 22.....	July 5.....	July 12.....	July 28.
July 15.....	July 20.....	August 2.....	August 9.....	August 25.
August 12.....	August 17.....	August 30.....	September 6....	September 22.
September 9....	September 14...	September 27...	October 4.....	October 20.
October 7.....	October 12.....	October 25.....	November 1....	November 17.
November 4....	November 9....	November 22... 1887.	November 29 .. 1887.	December 15. 1887.
December 2....	December 7....	December 20... 1887.	December 27 .. 1887.	January 12.

From London and San Francisco.

LEAVE LONDON.	LEAVE S. F.	LEAVE HONO'LU	ARRIVE AU'KL'D	ARRIVE SYDNEY
Thursday. 1885.	Saturday, 2 P.M. 1885.	Saturday. 1885.	Friday. 1885.	Wednesday. 1885.
November 5....	November 21... 1886.	November 28... 1886.	December 11... 1886.	December 16. 1886.
December 3....	December 19... 1886.	December 26... 1886.	January 8.....	January 13.
December 31... 1886.	January 16.....	January 23.....	February 5.....	February 10.
January 28.....	February 13....	February 20....	March 5.....	March 10.
February 25....	March 13.....	March 20.....	April 2.....	April 7.
March 25.....	April 10.....	April 17.....	April 30.....	May 5.
April 22.....	May 8.....	May 15.....	May 28.....	June 2.
May 20.....	June 5.....	June 12.....	June 25.....	June 30.
June 17.....	July 3.....	July 10.....	July 23.....	July 28.
July 15.....	July 31.....	August 7.....	August 20.....	August 25.
August 12.....	August 28.....	September 4....	September 17... 1887.	September 22.
September 9....	September 25... 1887.	October 2.....	October 15.....	October 20.
October 7.....	October 23.....	October 30.....	November 12... 1887.	November 17.
November 4....	November 20... 1887.	November 27... 1887.	December 10... 1887.	December 15. 1887.
December 2....	December 18... 1887.	December 25... 1887.	January 7..... 1887.	January 12.

LESSONS FROM THE CENSUS OF 1884.

Table Showing Decrease of Native and Increase of Foreign Population.

CENSUS.	Total Population.	Foreigners.	Chinese.	Increase of all. Foreigners.	Half Castes.	Natives.	Decrease of Natives.
1823...	142,000	.....	.....	.....	.....	142,000	.....
1832...	130,313	.....	.....	.....	.....	130,313	11,687
1836...	108,579	.....	.....	.....	.....	108,579	27,834
1853...	73,138	2,119	.....	.....	982	71,019	37,560
1860...	69,800	2,716	.....	597	.....	66,984	4,035
1866...	62,059	2,968	1,206	1,458	1,640	57,125	9,859
1872...	56,897	4,247	1,938	2,011	2,487	49,044	8,081
1878...	57,985	5,561	5,916	5,292	3,420	44,088	4,956
1884...	80,578	18,407	17,939	24,869	4,218	40,014	4,974

Census of Lepers at the Settlement on Molokai, December 27, 1884.

SEX.	Under 10 yrs.	From 10 to 20	From 20 to 30	From 30 to 40	From 40 to 50	Over 50.....	Total 1884..	In 1883.....	In 1882.....	In 1881.....	In 1880.....	In 1879.....	In 1878.....
Males.....	9	78	130	109	75	43	444	439	429	307	383	458	522
Females.....	13	23	88	84	44	22	274	282	262	265	242	300	346
Totals.....	22	101	218	193	119	65	718	721	691	662	625	758	868

The Census of 1884—by Ages.

ALL NATIONALITIES.		HAWAIIANS.	
Under 6 years, Males.....	5,130	Under 6 years, Males.....	2,450
“ “ Females.....	5,060	“ “ Females.....	2,488
Between 6 and 15 years, Males... ..	6,574	Between 6 and 15 years, Males... ..	3,742
“ “ Females... ..	5,759	“ “ Females... ..	3,490
Between 15 and 30 years, Males... ..	16,823	Between 15 and 30 years, Males... ..	5,552
“ “ Females... ..	9,010	“ “ Females... ..	5,123
Between 30 and 50 years, Males... ..	18,683	Between 30 and 50 years, Males... ..	6,860
“ “ Females... ..	6,788	“ “ Females... ..	5,387
Over 50 years, Males... ..	4,329	Over 50 years, Males... ..	2,900
“ “ Females... ..	2,422	“ “ Females... ..	2,022
Total.....	80,578	Total.....	40,014

Denominations as shown by the Census are, Protestants, 29,685; Roman Catholics*, 20,072; and Unreported, 30,821. Of this latter, 17,639 are Chinese, and 116 are Japanese.

*The Roman Catholic Clergy claim 21,205, according to their private census, of May, 1885.

INTERNAL TAXES FOR BIENNIAL PERIODS, 1862-1884.

	REAL EST.	PER PROP.	POLLS.	HORSES.	MULES.	DOGS.	CARRIAGES	SEAMEN.	ROADS.	SCHOOL.	TOTALS.
1862]	\$ 17,063	\$ 12,090	\$32,965	\$ 52,842	\$2,691	\$11,018	\$ 1,294	\$ 2,441	.....	.....	\$133,236*
1864 —	18,877	12,669	32,561	52,326	3,080	10,038	1,384	1,872	.....	.....	131,729*
1866]	20,173	16,336	30,870	60,290	4,265	12,016	1,748	4,557	.....	.....	150,661*
1868 —	22,360	20,197	30,086	61,541	4,823	12,654	2,125	10,212	54,260	58,096	277,756
1870 —	23,532	22,888	28,830	60,027	5,109	15,430	2,400	8,268	52,200	56,912	275,618
1872 —	52,353	45,329	27,841	53,006	6,140	22,271	3,125	5,894	51,740	55,414	323,115
1874 —	53,892	42,707	27,620	50,088	6,073	20,236	3,490	3,296	51,156	53,756	312,312
1876 —	58,645	47,988	27,372	49,194	6,012	18,676	3,987	3,056	50,852	54,004	318,791
1878 —	94,584	94,378	28,722	47,564	3,053	16,465	4,865	2,114	68,016	62,336	420,097
1880 —	143,716	155,944	35,484	43,399	.....	15,172	5,780	815	64,940	82,426	547,576
1882 —	187,923	208,096	45,998	42,819	.....	13,865	7,125	642	90,041	100,762	728,470
1884 —	223,100	254,286	52,964	22,975	.....	13,924	8,750	402	103,054	118,842	797,297

*Not inclusive of Road and School Tax.

ANNUAL INTERNAL TAXES, FROM 1876

1876, Taxes Collected, \$162,880.	Tax per capita* \$2.84	1881, Taxes Collected, \$367,004.	Tax per capita *\$5.18
1877, " " 219,628.	" " 3.86	1882, " " 379,071.	" " 5.29
1878, " " 245,387.	" " 4.23	1883, " " 417,794.	" " 5.16
1879, " " 290,380.	" " 4.58	1884, " " 409,000.	" " 5.07
1880, " " 317,872.	" " 4.76	—* Omitting fractions.	

Domestic Exports, Hawaiian Islands, for the Third Quarter, 1885, and for Nine Months, 1885, Compared with Nine Months, 1884.

ARTICLES.	3D QUARTER.	9 MOS. 1885.	9 MOS. 1884.	INCREASE.	DECREASE.
Sugar, lbs. . . .	27,770,901	149,644,276	124,549,452	25,094,824	.....
Molasses, gals.	18,856	46,382	81,772	.....	35,390
Rice, lbs.	1,998,500	5,383,353	7,161,200	.....	1,777,847
Bananas, bchs.	13,826	43,673	38,790	4,874	.....
Goat skins, pcs	6,643	16,445	16,183	262	.....
Hides, pcs	5,145	15,336	15,163	172	.....
Betel leaves, bx	68	281	350	.....	75
Sheep skins, pc	.....	7,563	5,310	2,253	.....
Coffee, lbs. . . . .	.....	1,375	4,081	.....	2,706
Calf skins, pcs.	.....	26	117	.....	91
Wool, lbs. . . . .	.....	71,639	207,757	.....	136,118
Dr'd B'nan's bx	.....	892	.....	892	.....
Paddy, lbs. . . . .	.....	.....	46,224	.....	46,224
Fungus, lbs. . . . .	.....	.....	1,721	.....	1,721
Tallow, lbs.	2,864	2,864
Total Ex., val.	\$1,540,491.35	\$7,6651,16.70	\$7,027,112.26	\$638,004.44

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GREAT LAND COLONIZATION SCHEME.

Preliminary Prospectus of the Proposed Great Land and Colonization Scheme—Hawaiian Colonization Land and Trust Co.—Limited; Description of Estate.

The Estate consists of 63,250 Acres in fee simple and 52,500 Acres held under lease, at present carrying between 12,000 and 15,000 head of cattle and 260 horses and mules. A large area of this property is suitable, according to locality, for Sugar, Rice, Vineyards, Fruit Orchards and Small Homesteads, the remainder being fine mountain side grazing ground.

Under the proposed arrangements of the Company to be formed an exceptional opportunity is offered for acquiring homesteads, by a system of deferred or gradual payment as may be agreed upon; the whole being within easy reach of Honolulu, the capital city and principal port, with a steadily growing market.

CLIMATE.

The climate is pre-eminently healthy, the North-east trades sweeping across the island for the greater part of the year. While there are no available registers of barometer, thermometer or rainfall for this particular district, there is no reason to question their strict analogy with that of the Nuuanu Valley, on the same island, and in which Honolulu and its suburbs are situated, where the rainfall amounts to 33.28 inches per

annum from a minimum of 0.94 in March to a maximum of 3.43 in December; but these figures relating only to the lower levels in and about Honolulu do not by any means represent the rainfall on the Waianae Mountains which is very much heavier. Thus the temperature may be said to range from 68 to 85 Fahr., varied of course by situation, elevation above the sea, accessibility to trade-wind, &c.

HONOULIULI RANCH

Contains (minus Puuloa, 2,300 acres) 43,250 acres in fee simple. This land is favorably situated, having direct communication with Honolulu by water, distance 10 miles, or by land by a good road, distance 17 miles, the latter offering singular facilities for an inexpensive railway track. The water route to Honouliuli is from Honolulu harbor skirting the reef to Pearl harbor, a magnificent inlet of the ocean protected by a reef or bar with 11 to 13 feet, but inside with from 20 fathoms to 3 fathoms of land-locked, protected anchorage, fit for all classes of coasters and yachts. On the west arm of this harbor Honouliuli has a frontage of no less than five miles, with from three to twenty fathoms in front of it. The whole fishing rights of this west arm are part of the property.

HONOULIULI RANCH is bounded by the sea and Pearl river on two sides, and extends in a westerly direction to the divide of the Waianae mountains which form a natural boundary so well defined and so difficult to pass as to render fencing on this line unnecessary. But where Honouliuli adjoins the neighbouring properties, it is securely fenced. There are twenty miles of five wire fence with redwood posts, and ten miles batten fence, all in good order and erected within the last seven years.

Stretching from Pearl harbor and skirting the base of Waianae mountains southward and eastward is a plain of about 7,000 acres of rich alluvial soil, eminently suitable—the upper portions for sugar and the lower for rice lands. Of these latter, from 3,000 to 4,000 acres may be irrigated by artesian wells, the elevation above high water mark being between 12 and 35 feet. A well sunk on this property in 1881, to a depth of 186 feet, has yielded unceasingly 2,400 gallons per hour since completion. Wells have been sunk at elevations from 400 to 700 feet about the sea level. Water was found at from 30 to 60 feet below the surface. One is a flowing well; on the other a windmill suffices to raise drinking water for surrounding herds. The ravines of the Waianae slope are narrow and readily lend themselves to favoring the construction of storage dams for purposes of irrigation. On the eastern slopes, among the foot hills of the Waianae mountains are over 10,000 acres of land, suitable for small

arms, vineyards, orchards, &c. Several perennial springs flow through these valleys and ravines, and the extensive traces of taro culture show that in the hands of the old natives there was no lack of water. The Wai anae mountains attract or precipitate sufficient rainfall in ordinary season for the maintenance of the present heavily-grassed condition of their slopes, and due attention to the forestry will enable them to carry more numerous heads of cattle than those which now fatten hock-deep on the Manienie or Bermuda grass. The lower and more open slopes are suitable for dairy, poultry or fruit raising. They are within easy reach of the main road to Honolulu, and people must soon invite the construction of a railway to the capital. The Sugar cane and Rice land of this property is valued at from \$100 to \$200 an acre, and may be taken up in large or small tracts at these figures; the grazing farm and fruit lands are valued at from \$10 to \$50 per acre. It is at present intended to offer some 10,000 acres of first-class agricultural land for sale, upon convenient terms, at \$50 an acre for colonization purposes, for resident and improving occupants. If the land is sold, the following plan suggests itself. To be offered in lots of not less than ten acres; nor more than one hundred acres, at \$50 per acre. Terms: The land to be fenced, and a house suitable for the holder to be built by him; and the land to be paid for on the installment plan during a term of ten years, in equal yearly installments, with interest at five per cent, per annum, net. The sale of the land to be made upon the following conditions: *First*.—Ten per cent. of the purchase money to be paid upon signing the contract. *Second*.—That improvements must be made within three months of date of contract, as follows: The land must be fenced with a good substantial fence, such as the Company shall designate; the material to be furnished at the expense of the Company, and the labor of construction and erection of the same to be performed by the purchaser, or at his expense. *Third*.—A dwelling house suited to the requirements of the purchaser to be erected within six months of date of contract or sale. *Fourth*.—That during and within a period of say two years, there must be fruit and other trees planted, in the proportion of say ten trees to each acre of land bought. *Fifth*.—Should any purchaser fail to comply with any of the foregoing conditions, or should he fail to pay his regular yearly installment of purchase money, with interest, he shall forfeit all right and title to said land and improvements, subject however to the discretion of the Company.

THE KAHUKU RANCH

Consists of 20,000 acres in fee simple and 5,000 acres Government leasehold, the leasehold having an unexpired term of 17 years, at an annual

rental of \$455. On the estate is a level tract of land at an elevation of from 10 to 25 feet above sea level, extending from Waimea to Laie, a distance of eight miles of sea frontage, and an average breadth of one mile from the sea to the foot hills. This tract is pronounced by competent judges to be excellent Sugar cane land. There are already flowing artesian wells on either side of this level tract, while near the middle is an unailing spring in which the water rises to within $2\frac{1}{2}$ feet of the surface, in a column of at least one foot in diameter, and flows thence to the sea. This proves that an ample supply may be found for irrigation.

There have been offered by Rice growers to the present owner \$10,000 a year for 400 acres of this land, water for cultivation being furnished. A contract has been made to bore five additional artesian wells to comply with this requirement. It may be incidentally noted here that in no case on this island of Oahu has boring for artesian wells failed if sunk from an elevation not exceeding 32 feet above sea level. There are about 15,000 acres of land suitable for fruit, small farms, or pasture, on the Kahuku property, estimated as saleable for colonizations purposes at from \$15 to \$30 per acre.

KAWAILOA AND WAIMEA RANCHES

Contain 23,000 acres surveyed land, and about 20,000 acres unsurveyed, all held on lease having an unexpired term of 24 years, at a yearly rental of \$2,200. This rental is at present reduced to \$1,700 by sub-letting a few acres of *taro* (wet) land. There are 36 miles of new 5-foot wire fence set on California redwood posts. It is further subdivided into paddocks of from 200 acres to 4,000 acres each, enabling the proprietors to pass their stock from one feeding ground to another as may be advisable.

This land is well adapted throughout for fruit growing or pastoral purposes. There are several wells with wind mills on them to supply water for stock. A reservoir has been built at the Kawailoa ranch with a retaining wall 150 feet in length, 100 feet thick at bottom, 5 feet at summit, capable of storing 1,127,500 cubic feet of water, for an outlay of \$2,250. This indicates what may be done at the Honouliuli Ranch.

GENERAL REMARKS.

Kawailoa and Waimea ranches adjoin Kahuku, and together from a compact property containing 72,500 acres of land. The Honouliuli property is distant about twelve miles, but is connected with them by an excellent road. These properties have at present 66 miles of good fencing. The land is well grassed, with a fair proportion of timber throughout. Live stock of all kinds thrive and fatten on the pastures, and by

increasing the number of inclosed paddocks and working the combined estates systematically the number of cattle and horses on the land might be largely increased. The number of cattle, 12,000 to 15,000, now on these estates has been already mentioned, also 260 head of horse-stock and mules, together valued at \$312,000. The horned cattle are bred from "Hereford" and "Shorthorn Durham" imported for these estates, and they thrive and fatten without any stall feeding or housing. The horse stock is exceptionally good, one Sire, 'Shenandoah' having won over \$20,000 as a two-year-old in the United States. There are also three trotting stallions, two of which cost \$1,000 each, and there are unbroken colts and fillies from these sires, some four or five year old, which may be readily broken for saddle or harness.

These properties, if united, would give the proposed Company a controlling interest in the Honolulu market, for produce of all kinds, with a steadily increasing demand; to which the contracts recently entered into by the Pacific and Oceanic Steamship Companies may prove a valuable stimulant. Indeed it is possible to create a trade with San Francisco for carcasses of beef and mutton carried in refrigerating chambers by the Oceanic Steamships. The income from these estates at present, including leases, is \$70,000 a year. Moderate calculations show that these figures might be nearly quadrupled. The fishing rights on Pearl harbor pertaining to the Honouliuli estate, now leased for a short term at \$1,700, can be rented at \$2,500 on the expiration of the present lease. A limestone quarry on the Honouliuli property at present pays a small annual rent, and a royalty on the lime produced. The entire demand for this kingdom may be supplied from this quarry, instead of, as hitherto, importing lime from California. The builders of Honolulu consider this lime superior in quality and preferable to the Californian lime. There is also a fine limestone quarry on Kahuku ranch.

The five mile frontage on Pearl harbor spoken of suggests a town site for a summer resort there, the facilities for yachting and boating being unsurpassed, while the climate is all that can be desired. A vast variety of fruit or timber trees grow with extraordinary rapidity. The whole Eucalyptus family, the algaroba or locust tree (pseudo-acacia), the tamarind, "alligator pear," guava, bread fruit, &c. Citrous fruits especially thrive without care or cultivation. Many ornamental woods known as koa, kou, ohia, etc., grow well. India-rubber (caoutchouc), quinine (cinchona), and perhaps above all the Ramie will flourish, each in its suitable locality, which may be found on these estates.

Proposed plan for forming a Joint Stock Company to purchase, sub-let, sell or work these Estates.

It is proposed to form a Joint Stock Company to buy the above described properties both freehold and leasehold, to divide them for purchase or lease on convenient terms, and to work the unsold or unleased portions for the benefit of the shareholders..

1st. Capitalize at \$1,600,000 with privilege of increasing to \$3,000,000. Let the present issue of the stock be three-quarters of the amount at which the Company capitalizes, which amount is sufficient to cover the present or immediate investment, say \$1,200,000 to cover the property, as follows:

63,250 acres in fee simple.....	\$ 822,250
Capitalized value of leased land ,52,500 acres.....	65,750
15,000 head cattle at twenty dollars each.....	300,000
260 head horses, &c.....	12,000
	\$1,200,000

The present issue of stock to consist of 12,000 shares of \$100 each.....\$1,200,000
 4,000 of said shares, par value \$100 each, are already subscribed for by the promoters of the Company..... 400,000
 8,000, of said shares, par value \$100 each to be offered for sale at par..... 800,000

If cash should be required to be used in the development of the business, the remaining \$400,000 of the stock, or any portion of it, may be sold at par for the use and benefit of the company.

PRESENT INCOME.

Present annual income from Honouliuli and Kahuku	\$ 5,755 00
Present income from lease at Kawaihoa	500 00
Present income from the sale of limestone and Royalty on lime	1,860 00
Present income from sale of cattle per month, \$5,300.....	63,600 00
	\$71,715 00
Present running expenses of the whole property do not exceed	10,000 00
Net Income.....	\$ 61,715 00

PROSPECTIVE INCOME.

The sales of cattle can be increased very soon at least \$30,000 per annum.....	\$ 30,000 00
Horses and mules can be sold to the annual amount of.....	5,000 00
Wells are now being bored at Kahuku to supply water for 400 acres of rice land for which Mr. Campbell is offered the yearly rental of	10,000 00

An offer of \$2,000 annual rental has been accepted for 200 acres of land at Honouliuli suitable for rice, wells to be bored at expense of lessee	2,000 00
During the month of October last an offer was made of \$3,000, annual rental for 300 acres of rice land at Honouliuli, wells to be bored at expense of lessee	3,000 00
Another offer has recently been made for 700 acres of land suitable for rice or sugar at Kahuku, at annual rental of \$20 per acre, water to be furnished by the company or owner of the land	14,000 00
An offer is now open to the Kawailoa Ranch Co. of \$1,000 annual rental for 40 acres of rice land, water to be supplied by lessors	1,000 00
It is estimated that from 7,000 to 10,000 acres more of superior rice or sugar land can be rented at \$10 per acre, or at a very much higher figure if water should be furnished by the company. Say 7,000 acres at \$10 each . .	70,000 00
During the months of September and October last 39 applications from people now in this country were sent to the promoters of the proposed company, through Mr. A. de Souza Canavarro, Consul for Portugal, for about 2,000 acres of land, offered for colonization, at \$50 per acre; it being understood by these applicants that water for irrigation and domestic purposes will be supplied by the company. Mr. Canavarro also states that many more would-be purchasers and settlers are anxiously waiting the formation of the company. \$100,000 bearing interest at 5 per cent. per annum	5,000 00
When the remaining 8,000 acres are sold, yielding \$50 per acre, or \$400,000, allowing 10 per cent. is paid at sale, and balance in nine equal payments, with interest at 5 per cent. per annum net, the income from this source would be	20,000 00 160 000 00
	<u>\$221,715 00</u>

This is not a large estimate, if the capacity of the land in question be taken into account. The present consumption of butcher's meat in Honolulu is as follows:

Beef, about	5,000 carcasses yearly.
Calves, about	1,500 carcasses yearly.
Sheep and Lambs, about	8,500 yearly.
Hogs, about	584,000 pounds.

In addition to the local consumption, the San Francisco market is open; beef and mutton carcasses being admitted free of duty. An offer was recently received from San Francisco to take four hundred beef carcasses and one thousand sheep carcasses per month from Honolulu by refrigerators, at better prices than rule in the market; but the supply of cattle and sheep did not admit of its acceptance. This shows the vast possibility of development of the stock raising business on this island. The Hawaiian Kingdom imported from abroad during the past nine years and nine months live stock to the value of \$595,105.53.

As soon as the 8,000 unsold shares of the capital stock have been subscribed for by responsible persons, the company will be incorporated and the stock issued.

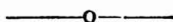
Receipts from the sale of the stock will be paid over to the owners of the properties. Deeds, leases, and bill of sale of landed property and of live stock to be placed in the hands of the officers of the company appointed to receive them.

PROMOTERS OF THE COMPANY.

Jas. Campbell, Esq., owner of the Honouliuli and Kahuku estates ; Jno. H. Paty, Esq., of Messrs. Bishop & Co., Bankers, principal owner of Kawaihoa and Waimea estates ; M. Dickson, Esq., and J. G. Spencer, Esq., part owners of Kawaihoa and Waimea ranch ; Mr. B. F. Dillingham, President Pacific Hardware Co.

The following gentlemen have consented to accept office : President, James Campbell ; Vice-President, J. H. Paty ; Secretary and Treasurer, Godfrey Brown.

The following gentlemen have consented to be nominated for Directors : Jas. Campbell, J. H. Paty, S. G. Wilder, A. J. Cartwright, S. B. Dole, W. F. Allen, B. F. Dillingham, W. R. Castle, W. Austin Whiting. General Manager, B. F. Dillingham ; Sub-Manager, M. Dickson.



The "Regulations for Carriages and Rates of Fare" being under consideration for official revision at the time of closing our pages will account for its omission in this issue.

THOS. G. THURM,

Publisher of the following Periodicals, Etc., will mail the same to any address on receipt of their price.

THE ISLANDER, a weekly paper of 34 numbers, issued from March to October, 1875, with title page and index. Price \$2.00; foreign mail, \$2.50.

HAWAIIAN ALMANAC AND ANNUAL, for '75, '76, '77, '78, '79, '80, '81, '82, '83, '84, '85 and '86, issued in December for the succeeding years. Price, 50 cents each ; foreign mail, 60 cents. Complete index for the series, 25 cents.

LIST OF BIRDS OF THE HAWAIIAN ISLANDS, by Sanford B. Dole, Esq.; a pamphlet of 18 pages. Price 25 cents; by mail 30 cents.

HAWAIIAN FERNS, a synopsis taken mostly from Hooker and Baker, by Edw. Bailey, a pamphlet of 62 pages. Price, 75 cents.

HAWAIIAN REGISTER AND DIRECTORY FOR 1886.

The Court.

HIS MAJESTY, KALAKAUA, *♂*. November 16, 1836; elected February 12, 1874, and inaugurated February 13, 1874. Son of Kapaakea and Keohokalole.

Her Majesty the QUEEN, *♂*. December 31, 1835. Her Royal Highness the Princess LILIUOKALANI, Heir Apparent, *♂*. September 2, 1838; *m.* September 16, 1862, to His Excellency John Owen Dominis, Governor of Oahu, K. G. C. of the Royal Orders of Kamehameha and Kalakaua; Kt. Com. of the Orders of Francis Joseph and Isabella Catolica; Member of the House of Nobles and of the Privy Council of State, etc. Proclaimed Heir Apparent to the Throne, April 11, 1877.

Her Royal Highness the Princess LIKELIKE, *♂*. January 13, 1851; *m.* September 22, 1870, to the Honorable Archibald Scott Cleghorn, K. G. C. of the Royal Orders of Kamehameha and Kalakaua; Member of the House of Nobles and of the Privy Council of State; has issue Her Royal Highness the Princess Victoria-Kaweikiu-Kaulani-Lunalilo-Kalaninuiāhālapalapa, *♂*. October 16, 1875.

His Majesty's Chamberlain, Hon. C. H. JUDD.

His Majesty's Staff.

Colonels C H Judd, C P Iaukea, J H Boyd, G W Macfarlane, E W Purvis, and P Oplerfelt.

Staff of the Governor of Oahu.

Majors Chas T Gulick, Antone Rosa and J D Holt, Jr.

The Cabinet.

His Majesty, THE KING.

Premier and Minister of Foreign Affairs, His Ex W M Gibson; Minister of the Interior, His Ex C T Gulick; Minister of Finance, His Ex J M Kapena; Attorney-General, His Ex P Neumann.

Privy Council of State.

His Majesty, THE KING.

Honourables H A P Carter, J S Walker, J O Dominis, A F Judd, C R Bishop, A S Cleghorn, J M Smith, S N Castle, G Rhodes, S G Wilder, H M Whitney, J M Kapena, H A Widemann, R Stirling, J A Cummins, W C Parke, W J Smith, W P Wood, C H Judd, L McCully, W F Allen, W M Gibson, J E Bush, W D Alexander, P Neumann, J Kaee, S Parker, E K Lilikalani, Luther Aholo, John K Kaunainano, John T Baker, Robert H Baker, Samuel M Damon, Alfred N Tripp; C H Judd, Secretary.

House of Nobles.

Hons C R Bishop, His Ex J O Dominis, Hons A S Cleghorn, J I Dowsett, S G Wilder, P Isenberg, J M Kapena, J M Smith, J P Parker, H Kuihelani, G Rhodes, J E Bush, C H Judd, P P Kanoa, J W Kaee, H A Widemann, J H S Martin, George W Macfarlane, J S Walker, S Parker. [The Cabinet Ministers hold seats in the House of Nobles *ex officio*.]

Department of Judiciary.

SUPREME COURT.

Chief Justice.....Hon A F Judd
First Associate Justice.....Hon L McCully
Second Associate Justice.....Hon E Preston
Clerk.....Wm Foster
Deputy Clerk.....H Smith
2d Deputy Clerk.....Henry F Poor
Hawaiian Interpreter.....W L Wilcox
Chinese Interpreter.....Li Cheung
Clerk Police Justice Honolulu.. Chas W Baldwin

Circuit Judges.

Second Circuit, Maui.....Hon A Fornander
Third Circuit, Hawaii.....{ Hon F S Lyman
Fourth Circuit, Kauai.....{ Hon C F Hart
Hon J Hardy

CLERKS OF CIRCUIT COURT:

G E Richardson, Second Circuit; Daniel Porter, Third Circuit; R W H Purvis, Fourth Circuit.

District Justices.

OAHU.

R F Bickerton, P J.....Honolulu
J Humphreys.....Ewa
J P Kama.....Waianae
J Kaluhi.....Koolauloa
W S Wood.....Waiailua
Asa Kaulia.....Koolaupoko

MAUI.

L Aholo, P J.....Wailuku
D Kahaulelio, P J.....Lahaina
John Kalama.....Makawao
S W Kaai.....Hana
M Kealoha.....Honouaui
S K Kupihea.....Molokai
R W Meyer.....Leper Settlement, Molokai
S Kahoohalahala.....Lanai

KAUAI.

SR Hapuku, P J.....Lihue
A W Maioho.....Koloa
R Puuki.....Hanalei
E Kahale.....Waimea
G S Gay.....Niihau
G B Meheula.....Kawaihau

HAWAII.

G W A Hapai, P J.....Hilo
Z Kalai, P J.....North Kohala
S L Kawel.....North Hilo
J P Miao.....Hamakua
J M Naeole.....Puna
J H S Martin.....Kau
Geo Timoteo.....East Kau
J G Hoopili.....North Kona
C W P Kaeo.....South Kona
S H Mahuka.....South Kohala

Governors.

Governor of Oahu.....His Ex J O Dominis.
Residence, Washington Place, Honolulu.
Governor of Maui.....His Ex J O Dominis.
Governess of Hawaii.....H H Pomaikelani.
Residence, Hilo; F S Lyman, Clerk.
Governor of Kauai.....His Ex P P Kanoa.
Residence, Koloa, Kauai.

Department of Foreign Affairs.

Minister of Foreign Affairs, His Ex W M Gibson
Secretary of Department.....J S Webb

HAWAIIAN REGISTER AND DIRECTORY FOR 1886.

Foreign Representatives—Diplomatic.

United States Minister Resident—His Ex G W Merrill; residence, Alakea street.
 England—Commissioner and Consul-General, Jas Hay Wodehouse; residence, Emma street.
 France—Consul and Commissioner, Monsieur Henri Feer; residence, Beretania street.
 Georges Bouliche, Chancellor French Legation.
 Portugal—Consul and Commissioner, Senor A de Souza Canavario; residence, Beretania street.

Foreign Consuls, Etc.

Italy..... F A Schaefer
 German Empire..... H F Glade, (acting)
 Sweden and Norway..... H W Schmidt
 Denmark.....
 Peru..... A J Cartwright
 Netherlands..... J H Paty
 Belgium.....
 United States Consul General..... Jno H Putnam
 Spain, Vice-Consul.....
 Mexico..... R W Laine
 Austro-Hungary..... H F Glade
 Russia, Vice-Consul..... J F Hackfeld (acting)
 British Vice-Consul..... T H Davies
 United States, Vice-Consul..... F P Hastings
 Denmark..... H R Macfarlane, (acting)
 United States Cons'l'r Ag't, Hilo..... J A Beckwith
 Japan, Consul..... J Nakamura
 U S Consular Agent, Kahului..... A F Hopke
 U S Consular Agent, Mahukona..... C I Wight

HAWAIIAN DIPLOMATIC AND CONSULAR AGENTS.

Envoy Extraordinary and Minister Plenipotentiary.

Washington, D C..... His Ex H A P Carter
 Secretary of Legation..... (vacant)

Charge d' Affaires and Consuls-General.

London, England..... A Hoffning
 Valparaiso, Chile..... D Thomas
 Lima, Peru..... R H Beddy
 Bremen, Germany..... (vacant)
 Paris, France..... F Collin de Paradis
 Tokio..... R W Irwin
 Amsterdam..... D H Schnull
 Barcelona, Spain..... R Monner Sans

Consuls-General.

London..... Manley Hopkins
 New York, U S A..... E H Allen, Jr
 Sydney, N S W..... E O Smith
 Sweden and Norway..... H A Burger
 Copenhagen, Denmark..... Julius Holmbald
 Ottawa, Canada..... C E Anderson
 Hong Kong, China..... Wm Keswick
 Naples, Italy..... Cerulli
 Antwerp, Belgium..... V Forge

Consuls, Etc.

San Francisco, Cal..... D A McKinley
 Portland, Or..... J McCracken
 Marseilles, France..... A Couve
 Havre, France..... L de Mandrot
 Bordeaux, France..... E de Boissac
 Genoa, Italy..... R de Luchi
 Boston, Mass..... Lawrence Bond
 Glasgow, Scotland..... J Dunn
 Otago, N Z..... H Driver
 Grand Duchy of Baden Baden..... M Muller
 Callao, Peru..... S Crosby
 Auckland, N Z..... D B Cruickshank
 Falmouth, England..... W S Broad
 Ramsgate, England..... A S Hodges
 Monte Video, Uruguay..... J Chabrier
 Assuption, Paraguay..... Prof Alex Marengo

Manzanillo, Mexico..... Rd M Stadden
 Barcelona, Spain..... Jose de Serrera
 Cork, Ireland..... W D Seymour
 Vienna, Austria..... V von Schonberger
 Edinburgh and Leith, Scotland..... E G Buchanan
 Rouen, France..... C Schessler
 Melbourne, Victoria..... G N Oakley
 Queensland, Australia..... A B Webster
 Hamburg, Germany..... E F Weber
 Bremen, Germany..... J F Muller
 Singapore..... R Brenner
 Fayal, Azores..... T F Serpa
 Nagasaki, Japan..... Vacant
 Colon..... H E Cooke
 Tasmania..... A Coote
 Hull, England..... W Moras
 Maderia..... J Hutchinson
 Victoria, B C..... R P Ribbet
 Cardiff and Swansea..... H Golberg
 Newcastle, N S W..... Alexander Brown
 Ghent, Belgium..... Ernest Coppieiers
 Dresden, Saxony..... A P Russ
 Hiogo and Osaka, Japan..... S Endicott
 Liverpool, England..... Harold Janion
 Shanghai, China..... J Johnstone Keswick
 St Michaels..... Richard Seemann
 Tahiti..... Vacant
 Bangkok, Siam..... A Kurtzhals
 Christiania, Norway..... L Samson
 Lisbon, Portugal..... Leon de A Cohen
 Dundee, Scotland..... J G Zoller
 Gibraltar..... Horacio Schott
 Newcastle on Tyne..... E Biesterfeld
 Frankfort on Maine..... Jos Kopp
 St John, N B..... Allan O Crookshank
 Bruges, Belgium..... E Vanden Brand
 Port Townsend, W T..... James G Swan
 Liege..... Max Goebel
 Brisbane, Queensland..... Alex B Webster
 Las Palmas, Canary Islands..... Luis F Suevedo
 Oporto..... N M T Ferro
 Montreal..... Dickson Anderson
 Halifax, N S..... George Fraser
 Guatemala..... Henry Tolke
 Mexico..... William J de Gress
 Bristol, England..... Mark Whirwell

Vice-Consuls.

Dublin..... R Jas Murphy
 Toronto, Ontario..... Geo H Shaw
 Hamilton, Ontario..... Adam Brown
 Kingston, Ontario..... Geo Richardson
 Belleville, Ontario..... Alex Robertson
 Rochville, Ontario..... J D Baell
 Yarmouth, Nova Scotia..... Edward F Clements
 St Vincent, Cape de Verde Islands..... Clari-mundo Martins
 Cadiz, Spain..... Alcon Luciano
 Aguilas..... R C Barberan
 Gott-nburg..... Gus Kraak
 Lysckil, Sweden..... H Bergstrom
 Jaluit..... Commercial Agent, Hermans Grosser

Interior Department.

Minister of Interior..... His Ex C T Gulick
 Chief Clerk of Department..... J A Hassinger

Clerks.....
 { W O Artwager,
 J H Boyd,
 G E Smith,
 J H Reist.

Registrar of Conveyances..... T Brown
 Deputy Registrar..... Malcolm Brown
 Surveyor-General..... W D Alexander
 Assistant Surveyor..... C J Lyons
 Commissionerr of Gov't Lands..... J F Brown
 Postmaster-General..... Hon H M Whitney

HAWAIIAN REGISTER AND DIRECTORY FOR 1886.

Assistant Postmaster-General..... I B Peterson
 Supt Public W'k's and Civil Eng'r, Julius H Smith
 Superintendent Water Works..... C B Wilson
 Clerk of Water Works..... W Auld
 Second Clerk..... W T Monsarrat
 Commissioner of Patents..... Jonathan Austin

Post Office Department.

H M Whitney..... Postmaster-General
 I B Peterson..... Assistant Postmaster-General
 David Manaku..... Chief Delivery Clerk
 Alice L Fillebrown..... Registry Clerk
 Wm Johnson, George L Desha, Oliver C Swain,
 J Kalailoa, Assistants; Henry Bryant, Letter
 Carrier.

List of Government Surveying Corps.

W D Alexander..... Surveyor-General
 C J Lyons..... Assistant in charge of office
 J F Brown..... Commissioner of Government Lands
 S Emerson }
 F S Dodge } in charge of Parties
 E D Baldwin }
 W A Wall, H W Laws, draughtsmen and in
 office work; H S Davidson, J D Browne.

Board of Immigration.

His Ex C T Gulick..... President
 Members—Their Exs W M Gibson, J M
 Kapena, Hon J S Walker.
 A S Clegborn..... Inspector-General Immigrants
 W O Atwater..... Secretary
 G O Nacayama..... Inspector of Japanese Immi-
 grants.
 S Kimura..... Sub-Inspector for Japanese, Island
 of Hawaii.
 C Ito..... Sub-Inspector for Japanese, Island of
 Maui.

Board of Health.

His Ex W M Gibson..... President
 Members—His Ex C T Gulick, Hon A S Cleg-
 born.
 Secretary..... F H Hayselden
 Port Physician..... Dr Jno Brodie
 Agent..... J H Brown

Board of Education.

President..... W M Gibson
 Members..... Hons J M Smith, J M Kapena J
 S Walker, J L Koulukou.
 Inspector General of Schools.. M M Scott, Acting
 Secretary..... W J Smith

School Agents in Commission.

HAWAII.

Hilo and Puna..... L L Severance
 Kau..... G W C Jones
 North and South Kona..... H N Greenwell
 South Kohala..... Rev L Lyons
 North Kohala..... E N Dyer
 Hamakua..... R A Lyman

MAUI.

Lahaina and Lanai..... H Turton
 Wailuku..... A Barnes
 Hana..... S W Kaai
 Makawao..... W F Mossman
 Molokai..... R W Meyer

OAHU.

Honolulu..... W J Smith

Ewa and Waianae..... W J Smith
 Wailua..... J F Anderson
 Koolauloa..... W C Lane
 Koolaupoko..... W J Smith, acting

KAUAI.

Waimea and Niihau..... V Knudsen
 Koloa, Lihue, Koolau, Hanalei.. Rev J W Smith

Commissioners of Private Ways and Water Rights.

HAWAII.

Hilo..... C E Richardson, Kami, J Nawahi
 Hamakua..... R A Lyman,
 J K Kaunamano, J R Mills.
 North and South Kohala..... Joseph Smith,
 S C Luhiau, Z Kalai.

Kau..... C N Spencer, J Kauhane, J H S Martin

MAUI.

Lahaina..... M Makalua, D Taylor, A Makekau
 Wailuku..... P Kaluna, E Bal, J Richardson
 Makawao..... J Keohokaua, Kekaha
 Hana..... O Unna, C K Kakani, S W Kaai
 Kaanapali..... J A Kaukau, J F Kaula,
 D H Kaliiaalii.
 Molokai... J Nakaleka, D Kailua, J W M Poeha

OAHU.

Kona..... D Kahanu, J F Brown, A C Smith
 Koolaupoko..... Kane, G Barenaba, M Rose
 Koolauloa..... W C Lane, Naili, J Kaluhi
 Wailua..... J F Anderson, S N Emerson,
 N Kaiaikawaha.
 Ewa and Waianae..... Haupu, Opuni,
 A Kauhi.

KAUAI.

Puna..... W E H Deverill, D Kealahula
 A W Maiho.
 Waimea..... V Knudsen, E Kahale, P R Holi
 Hanalei..... S Uza, E Kaaloa, D Niuloihi

Commissioners of Crown Lands.

W M Gibson, J M Kapena, C H Judd, Agent

Commissioners of Boundaries.

Hawaii..... F S Lyman
 Maui, Molokai and Lanai..... L Aholo
 Oahu..... R F Bickerton
 Kauai..... J Hardy

Commissioners of Fences.

HAWAII.

Hilo..... C E Richardson, B Brown, S L Austin,
 R A Lyman, D Porter,
 Hamakua..... J R Mills, J K Kaunamano
 North and South Kona..... M Barrett
 H Cooper, J W Smith, G F Caraley.
 North Kohala..... Kamahu
 South Kohala..... J Parker, S H Mahuka
 Kau..... W T Martin, C N Spencer, S Ka-
 waa, D W Kaaemoku.

MAUI.

Makawao..... C H Dickey, P Nui
 Hana..... C K Kakani, M Pupuhi, D Pahi
 Molokai..... R W Meyer, S Paulo, R Newton

OAHU.

Kona..... J F Brown, D Kahanu, A C Smith
 Ewa and Waianae..... Kaikanahaole
 S Previere, S Gandall.

HAWAIIAN REGISTER AND DIRECTORY FOR 1906.

Waialua.....H Warden, J Amara, J F Anderson.

Koolauloa.....Kaluhi, Kaili, W C Lane
Koolaupoko.....W E Pii, Barenabe, C H Judd

KAUAI.

Kawaihau.....J M Kealoha, J P Kaumu-
alii, Kapulehua.
Molooa and Lihue.....W H Rice, S
Kaico, Pahuwai.

Appraisers of Land Subject to Government
Commutation.

Hawaii.....R A Lyman, J H Nawahi
Maui, Molokai and Lanai.....T W Everett,
L Aholo, D Kahaulio

Oahu.....J F Brown, C Brown, R F Bickerton
Kauai.....J Hardy, P P Kanoa, J H Wana

Road Supervisors.

Road Supervisors in Chief:

Hawaii.....C N Arnold
Maui, Lanai and Molokai.....G E Richardson
Oahu, Kona, C W Hart; all except Kona, T
A Lloyd.

Agents to Grant Marriage Licences.

Hawaii—
Hilo.....L Kaapa,
D H Hitchcock, L Severance, S W Pa, D
Kama.

Hamakua.....Kukuhikahi,
W A Mio, J K Kaunamano.

South Kohala.....D Manuia,
S H Mahuka.

North Kohala.....D S Kahookano
North Kona.....Kapukui,
S H P Kalawaisopuna, J Kaelamakule.

South Kona.....S W Papaula,
J W Kaapu, J Kaeco, S W Kino.

Puna.....Haleluhi,
W S Kaikuihine, D Kapahee.

Maui—
Wailuku.....Kahele,
J Haole, J Smyth.

Lahaina.....L Aholo,
R Newton.

Makawao.....H P Baldwin,
P F Mossman, J Mahoe.

Hana.....Kamaka,
P Momoa, S W Kaai, D W Napihao.

Kaanapali.....Nahaku,
S M Sylva.

Molokai—
Kaunamano.....S Kupehea,
S Paulo, D Kalua, R W Meyer, A Hutchin-
son.

Lanai.....Kealakai

Oahu—Kona.....W O Atwater, J W
Smith, C T Gulick, J S Smithies, J H
Boyd.

Koolaupoko.....M Kaanuu, W H Pii, E P
Aikue.

Koolauloa.....J L Naili

Ewa and Waianae.....D Malo,
Kahauolono, Keauiole.

Waialua.....W C Lane, J F Anderson

Kauai—
Waimea.....J Kauai,
E K Kauai, S E Kaula, E L Kauai.

Koolau.....D Nuhiwa

Hanalei.....A Wilcox, J Kakina

Lihue.....P Puhulu,
J Kala, Koloa, A W Maiho.

Kawaihau.....G B Palohas
Nuhau.....George S Gay

Agents to Take Acknowledgments to In-
struments.

Hawaii—D H Hitchcock, F S Lyman, C F
Hart, W C Borden, Hilo District; J W Smith, C
N Spencer, J Kauhane, F Spencer, J Nawahi, S
W Pa, G W Filipo, R A Lyman, J K Kauna-
mano, Kahookano, J R Mills, G Bell, C
Meinecke, Kapahu, J Kauwila, J L Kauhoku,
Molale, D Alawa, S L Austin.

Maui—H Dickenson, T W Everett, J Ka-
waiaia, J Gardner, P N Makee, A Fornander,
D Puihi, J Richardson, R Newton, J W Kalua,
S P Halama, J Grunwald, S F Chillingworth,
D M Kalama, W F Mossman.

Molokai—R W Meyer, S K Kupihea, A
Hutchinson.

Oahu—W C Lane, Koolauloa, M Kaanuu, S
N Emerson, G Barenaba, C Brown, A Ku, A K
Hapai, H Kauahilo, Malcolm Brown, W A
Whiting, A Kauhii, A C Smith, Col J Austin.

Kauai—F Bindt, S W Wilcox, C Bertleman,
W H Deverill, J Hardy, J M Kealoha, J C
Long, G B Palohau, L H Stolz.

Nuhau—E Kabele.

Inspectors of Animals.

Oahu—Dr J Brodie, Capt A B Hayley, J H
Brown.

Hawaii—C N Arnold, J W Colville, C E Rich-
ardson.

Maui—Dr A H Bayley, S F Chillingworth,
W P A Brewer.

Notaries Public.

Hawaii—Hilo.....D H Hitchcock

Maui—Haiku—C H Dickey.

Makawao—W H Halstead, J Richardson.
For Maui, Molokai and Lanai.....W F Moss-
man.

Oahu—Honolulu.....J H Paty, T Brown, C T
Gulick, C Brown, W R Castle, S B Dole, J M
Monsarrat, H A Widemann, A Rosa.

Kauai—Waimea.....V Knudsen

Agents to Acknowledge Contracts for
Labor.

Oahu—Honolulu.....C T Gulick, J U Kawainii,
J A Hassinger, W Auld, S M Carter, Wil-
liam Wong, W H Tell, F H Hayselden.

Waialua.....C H Kalama, S N Emerson, H N
Kahulu, J H Barenaba.

Koolaupoko.....A Ku, G Barenaba, E P Edwards

Ewa and Waianae.....J K Kaunamano, J D Holt

Hawaii—Hilo.....L Severance, J H Pabio, S K
Mahoe, S W Pa, H K Unea, John L Kaula-
kou.

Kona.....K Kamaoaha, J W Smith

Hamakua.....J K Kaunamano, G W Wilfong,
A W Haalilo, Walter Joy.

North Kohala.....H Rickard, John Ma-
quire, H P Woods, D S Kahookano, J Mo-
anauli, T J Hayselden, W J Brodie.

South Kohala.....G Bell, J Jones

Kauai.....J Kauhane, J N Kapahu,
W Kaaemoku.

Puna.....J N Kamoku

HAWAIIAN REGISTER AND DIRECTORY FOR 1896.

Mauí—Lahaina D Kamaiopili S K Kalaikini, K Nahaleleua.
 Wailuku J W Kalua, S P Halama, W H Makakoa, J Richardson.
 Makawao G Glendon, Jas Smyth, G W Beckwith, W W Goodale.
 Hana Kahele opio, F Wittrock, H Meheula, J H Daniels, J Murdock.
Molokai and Lanai J W M Pooha, G Kekipi, S K Piiapoo.
Kauai. Koloa J N Gilman, J W Alapai, W H Deverill.
 Lihue J B Hanaike
 Hanalei J Kukuia, J W Loka, J H Mahoe
 Waimea M Kamalenai, J H Kapukui
 Kawaihau T Kalaeone, J M Kealoha
Niihau Kaomea

Department of Finance.

Minister of Finance J M Kapena
 Registrar of Public Accounts F S Pratt
 Auditor General J S Walker
 Collector General of Customs C P Laukea
 Clerk of Registrar John Ritson
 Collector Port of Hilo L Severance
 Collector Port of Kahului W E Mossman
 Collector Port of Lahaina T W Everett
 Collector Port of Mahukona J P Sisson
 Collector Port of Kealakukua H N Greenwell
 Collector Port of Kawaihau J Stuppelbeen
 Collector Port of Koloa E Strehz

Customs Department.

Collector C P Laukea
 Deputy Collector G E Backman
 1st Statistical Clerk W Chamberlain
 2nd Statistical Clerk C K Stillman
 1st Entry Clerk R N Mossman
 2nd Entry Clerk H W Auld
 Store Keeper I Q Tewksbury
 Harbor Master of Honolulu Capt A Fuller
 Pilots in Honolulu { Capts A McIntyre
 W Babcock
 P P Shepherd
 Port Surveyor G Markham
 John Markham
 Guards { J Crowder
 G Parminter.

Department of Attorney-General.

Attorney General His Ex P Neumann
 Clerk to Attorney General A Rosa
 Marshal of the Hawaiian Islands J H Soper
 Deputy Marshal David Dayton
 Clerk to Marshal C L Hopkins
 Second Clerk D Kua
 Sheriff of Hawaii J L Kaulukou
 Sheriff of Mauí T W Everett
 Sheriff of Kauai S W Wilcox
 Jailor of Oahu Prison A N Tiipp

Oahu—Deputy Sheriffs, Ewa and Waianae, G M Keone; Waianae, S K Hui; Waialua, J Amara; Koolauloa, H Kaupihilo; Koolaupoko, Robert Makahalupa.

Kauai—Sheriff, S W Wilcox; Deputy Sheriff for the island, W E H Deverill; Deputy Sheriffs, Lihue, S Kaiu; Koloa, J W Alapai; Waimea, S Aukai; Hanalei, J Kakina; Kawaihau, G B Palohau.

Molokai—Deputy Sheriffs, Pukoo, E Lilil-hua.
Mauí—Sheriff, T W Everett; Deputy Sheriffs,

Lahaina, H Turton; Wailuku, H G Treadway; Makawao, S F Chillingworth; Honuaula, J Kapohakimohewa; Hana, M H Router.

Hawaii—Sheriff, John L Kaulukou; Deputy Sheriffs, Hilo, (town) F Pahia; North Hilo, D K Makuakane; Hamakua, W P Lumabeihei; South Kohala, Jas Wright; North Kohala, J W Moanauli; North Kona, D Makainai; South Kona, D H Nahi'u; Kau, Edward Smith; Puna, J M Kauwila.

Chamber of Commerce.

President C R Bishop
 Vice-President A J Cartwright
 Secretary and Treasurer J B Atherton

Life, Fire and Marine Insurance Agencies.

Firemen's Fund Bishop & Co
 Liverpool & London & Globe Bishop & Co
 New York Life C O Berger
 South British & National, F & M C O Berger
 Hartford, Fire C O Berger
 Commercial, Fire & Marine C O Berger
 Equitable Life A J Cartwright
 Commercial Union Assurance, London A J Cartwright
 Imperial Fire A J Cartwright
 Aetna, Fire Castle & Cooke
 New England Mutual Life Castle & Cooke
 Union, F & M, San Francisco Castle & Cooke
 British and Foreign Marine T H Davies
 Northern Fire and Life T H Davies
 Rheinisch Westphalian Lloyd J C Glade
 Aachen and Leipsic J C Glade
 North German Fire H Hackfeld & Co
 Trans-Atlantic Fire H Hackfeld & Co
 Nor Br & Merc'l Fire E Hoffschlaeger & Co
 Northwestern Mutual Life W G Irwin & Co
 Swiss Lloyd Marine G W Irwin & Co
 Union Fire of New Zealand W G Irwin & Co
 Great Western Marine W G Irwin & Co
 Royal, of Liverpool W G Irwin & Co
 Hamburg-Magdeburg Fire A Jaeger
 Lion, Fire, of London A Jaeger
 Washington Fire, of Boston A Jaeger
 Orient Fire, of Hartford A Jaeger
 Pacific Mutual Life R W Laine
 State Investment F & M of Cal R W Laine
 Manhattan Life J H Paty
 Hamburg-Bremen Fire F A Schaefer & Co
 German Lloyd Marine F A Schaefer & Co
 Fortuna Marine F A Schaefer & Co
 Dresden General Insurance F A Schaefer & Co
 Sun Fire Office, London G W Macfarlane & Co
 Mutual Life of New York Wilder & Co
 London & Prov., Fire J T Waterhouse

Board of Underwriters—Agencies.

Boston C Brewer & Co
 Philadelphia C Brewer & Co
 New York A J Cartwright
 Liverpool T H Davies & Co
 Lloyds, London T H Davies & Co
 San Francisco H Hackfeld & Co
 Bremen, Dresden, Vienna F A Schaefer

Packet Agencies.

Boston Packets C Brewer & Co
 Planters' Line, San Francisco C Brewer & Co
 Pioneer, Liverpool T H Davies & Co
 Merchants' Line, San Francisco Castle & Cooke
 New York Line Castle & Cooke

HAWAIIAN REGISTER AND DIRECTORY FOR 1876.

Oceanic S S Co's Line..... W G Irwin & Co
 Liverpool. } G W Macfarlane & Co
 Glasgow. }
 Pacific Mail S S Company... H Hackfeld & Co
 Bremen Packets..... H Hackfeld & Co
 Hawaiian Packet Line..... H Hackfeld & Co
 Glasgow and Honolulu..... F A Schaefer & Co

Honolulu Fire Department.

Organized 1851. Annual Election of Engineers
 First Monday in June. Officers for 1885-86:
 Chief Engineer..... J Nott
 First Assistant Engineer..... M D Monsarrat
 Second Assistant Engineer..... Julius Asch
 Secretary and Treasurer..... Henry Smith
 Fire Marshal..... J W McGuire
 Annual Parade Day of Department..... Feb 3d
 Honolulu Engine Company No 1 (steam) formed
 1850, organized July 18, 1855. Annual election
 of officers, first Wednesday in July.
 Mechanic Engine Company No 2, (steam) organized
 December, 1850, admitted February 3,
 1850. Annual election of officers, first Wednes-
 day in February.
 Hawaii Engine Co No 4, (steam) organized
 February, 1861. Annual election of officers, first
 Tuesday in February.
 China Engine Company No 5 (steam), organized
 February, 1879.
 Pacific Hose Company No 1, organized January,
 1861, as Engine Company No 3, changed to a
 Hose Company December 14, 1863. Annual
 election of officers, second Tuesday in January.
 Protection Hook and Ladder Company No 1,
 re-organized September, 1857. Annual election
 of officers, first Monday in September.

Fire Wards of Honolulu.

No. 1—Bounded by School, Likelike, Judd and 1
 Punchbowl streets.
 No. 2—Bounded by Beretania, Liliha, School
 and Fort streets.
 No. 3—Bounded by King, Beretania and Fort
 streets.
 No. 4—Bounded by Water Front, King and Fort
 streets.
 No. 5—Bounded by Water Front, Fort, King
 and Richard streets.
 No. 6—Bounded by King Fort, Beretania and
 Richard streets.
 No. 7—Bounded by Beretania, Fort, School and
 Punchbowl streets.
 No. 8—Bounded by Water Front, Richards,
 Beretania and Punchbowl streets.
 No. 9—Bounded by Water Front, Punchbowl
 and Victoria streets.
 No. 10—Bounded by King, Victoria and Piikoi
 streets.
 No. 11—Bounded by Piikoi, Wilder avenue and
 Punahou streets.
 No. 12—Beyond Punahou street.
 No. 13—The Harbor.

Volunteer Military Companies.

Prince's Own..... H Kaaha, Captt
 Leleiohoku Guard—Cavalry..... Keiki, Capt
 Mamalahoa..... Elama, Capt
 King's Own..... S Nowlien, Capt
 Honolulu Rifles..... Capt
 Queen's Own..... W C O'Connor, Capt

Anniversaries.

New Years Day..... January 1

Accession of Kalakaua..... February 13
 Birthday of Kamehameha III..... March 17
 Birthday of the Queen of Great Britain.. May 24
 Decoration Day..... May 30
 In Memory of Kamehameha I..... June 11
 American Independence..... July 4
 Birth of His Majesty the King..... November 16
 Recognition of Hawaiian Independence.. Nov 28
 Christmas..... December 25

Queen's Hospital.

ERECTED IN 1860.

President..... HIS MAJESTY THE KING
 Vice-President..... C R Bishop
 Sec'y..... F A Schaefer | Treas..... J H Pary
 Auditor..... M P Robinson
 Physicians..... R McKibbin, Henri McGrew
 Executive Committee—C R Bishop, J H Pary,
 F A Schaefer, A J Cartwright, A S Cleghorn.

American Relief Fund.

Organized 1864. Meets annually February 22
 President..... A J Cartwright
 Vice-President.....
 Secretary and Treasurer..... C R Bishop

British Benevolent Society.

Organized 1860. Meets annually April 23.
 President..... J H Wodehouse
 Vice-President..... Rev A Mackintosh
 Sec'y..... J A Kennedy | Treas..... A S Cleghorn
 Relief Committee..... R F Bickerton, H
 Waterhouse, W Roe, G Lucas, A Young.

British Club.

Organized 1852. Premises on Union Street, two
 doors below Beretania.
 President..... A S Cleghorn
 Sec'y..... G Brown | Treas..... A Jaeger
 Managers—A S Cleghorn, Godfrey Brown, H
 Macfarlane.

Mechanics' Benefit Union.

Organized 1856.
 Pres..... T R Lucas | Vice-P..... J F Eckart
 Sec'y..... Wm Auld | Treas..... J F Colburn
 Ex Com..... Chairman

German Benevolent Society.

Organized August 22, 1856.
 President..... H W Schmidt
 Secretary..... John F Eckart
 Treasurer..... H Lose

Mission Children's Society.

Organized 1851. Annual Meeting in June.
 President..... F C Damon
 Vice-President..... W W Hall
 Recording Secretary..... W J Forbes
 Cor Secretary..... Miss M A Chamberlain
 Home Cor Secretary..... Miss H Hillebrand
 Elective Members..... Mrs B F Dillingham, C W
 Ashford.
 Treasurer..... E O White

Sailors' Home Society.

Organized 1853. Meets annually in December.
 President..... C R Bishop
 Sec'y..... F A Schaefer | Treas..... J H Pary
 Ex Com..... Rev E C Oggel, J B Atherton, S M
 Damon.

HAWAIIAN REGISTER AND DIRECTORY FOR 1886.

Board of Hawaiian Evangelical Association.

Originally organized 1823.

Constitution revised 1863. Annual meeting June
 President.....Hon A F Judd
 Vice-President.....H Waterhouse
 Corresponding Secretary.....Rev A O Forbes
 Recording Secretary.....Rev C M Hyde, D D
 Treasurer.....W W Hall | Auditor.....P C Jones

Woman's Board of Missions.

Organized 1871.

President.....Mrs H Bingham
 Recording Secretary.....Mrs S E Bishop
 Home Cor Sec'y.....Miss E B Knight
 Foreign Cor Sec'y.....Mrs L McCully
 Treasurer.....Mrs B F Dillingham
 Auditor.....W W Hall

Missionary Gleaners—Branch of Woman's Board.

President.....Mrs E C Oggel
 Vice-President.....Miss J Parke
 Rec Secretary.....Miss N Lowrie
 Cor Secretary.....Mrs E C Damon
 Treasurer.....Miss M Hopper

Women's Christian Temperance Union.

Organized Dec., 1835.

President.....Mrs J M Whitney
 Vice-Presidents.....Mrs E C Oggel
 Mrs J A Cruzan
 Mrs G Wallace
 Recording Secretary.....Mrs Jay Greene
 Corresponding Secretary.....Mrs E W Jordan
 Treasurer.....Mrs C M Hyde

Young Men's Christian Association.

Organized 1869. Annual meeting in April.

President.....J B Atherton
 Vice-President.....J A Dower
 Sec'y.....R W Podmore | Treas.....W Clark
 General Secretary.....S D Fuller

Ladies' Benevolent Society of Fort Street Church.

Organized 1853. Meets Annually in April.

President.....Mrs J A Cruzan
 Vice-President.....Mrs W F Allen
 Sec'y.....Mrs W W Hall | Treas.....Mrs P C Jones

Stranger's Friend Society.

Organized 1852. Annual Meeting in June.

President.....Mrs J M Damon
 Vice-Presidents.....Mrs J S McGrew
 Mrs A Mackintosh
 Sec. Mrs H M Whitney | Treas.....Mrs S E Bishop
 Mrs S H Dowsett.....Directress

St. Lusitana Benevolent Society.

Organized January, 1882.

P. esident.....J G Silva
 Secretary.....J A Quintal
 Treasurer.....M A Gonsalves

San An Ono Benevolent Society.

Organized December, 1876.

President.....Joao Gaspar
 Sec'y.....M S Silva | Treas.....Cesar L Brito

Library and Reading Room Association.

Organized March, Incorporated June 24, 1879.

President.....S B Dola
 Vice-President.....M M Scott
 Sec'y.....H A Parmelee | Treas.....A L Smith
 Directors—A J Cartwright, Dr C T Rodgers, W.
 Hill, H Waterhouse, Dr C M Hyde, William
 Foster, Jas Castle, W O Atwater, A J Myer.

Ka Lima Kokua.

Organized 1879.

President.....Mrs C M Hyde
 Vice-President.....Mrs S Mahelona
 Secretary.....Miss Alice West
 Treasurer.....Mrs A F Cooke

Oahu College.

Located at Punahou, two miles east of Honolulu.

President.....Rev W C Merritt
 Prof Chem and Nat Science.....L L Van Slyke
 Instructor in Languages.....G L Bates
 Instructor in Eng Literature.....Miss M E Spooner
 Teacher of Music.....Mrs J E Hanford
 Assistant Teacher of Music.....Miss C Castle
 Teacher of French.....A Marques
 Teacher of Drawing.....C Furneaux

Punahou Preparatory.

Principal.....Miss E V Hall
 Assistants.....Miss C A Carter, Miss H R Lewis

Hawaiian Rowing & Yachting Association.

Annual Election, first Monday in August.

President.....His Majesty
 Vice-Presidents.....E W Purvis
 C B Wilson
 Secretary.....W M Giffard
 Treasurer.....J G Spencer

Honolulu Yacht and Boat Club.

Annual election in January.

Commodore.....R F Bickerton
 Vice-Commodore.....Chas B Wilson
 Sec'y and Treas.....J H Fisher
 Measurer.....Thos C Sorrenson
 Executive Committee.....F Brown, F Whitney,
 J G Spencer, Mark Robinson, W L Wilcox.

Myrtle Rowing Club.

Semi-Annual Elections Second Fridays in January and July.

President.....W D McBride
 Vice-President.....W T Monsarrat
 Secretary.....W F Love
 Treasurer.....A W Carter
 Captain.....J L Torbert
 Trustees—C A Brown, E A Jones and B
 Cartwright.

Honolulu Base Ball League.

Annual Election in March.

President.....W F Allen
 Secretary and Treasurer.....J G Spencer
 Scorer.....B Cartwright

Amateur Musical Society.

Organized 1851. Re-organized 1878.

President.....T H Davies
 Vice-President.....F M Swaney
 Musical Director.....H Berger
 Treas.....G P Castle | Sec'y.....T M Starkey

HAWAIIAN REGISTER AND DIRECTORY FOR 1886.

Lodges.

LODGE LE PROGRES DE L'OCEANIE, No 124, A F & A M; meets on King St., on the last Monday in each month.

HAWAIIAN, No 21, F & A M; meets in its hall corner Queen and Fort Streets, on the first Monday in each month.

HONOLULU CHAPTER, No 1, R A M; meets in the hall of Le Progres de l'Oceanie on the third Thursday of each month.

HONOLULU COMMANDERY, No 1 KNIGHTS TEMPLAR meets at the Lodge Room of Le Progres de l'Oceanie second Thur, day of each month.

KAMEHAMEHA LODGE OF PERFECTION, No 1: A & A S R; meets in the hall of Le Progres de l'Oceanie on the fourth Thursday of each month.

NUUANU CHAPTER OF ROSE CROIX, No 1, A & A S R; meets at the hall of Le Progres de l'Oceanie, first Thursday in the month.

ALEXANDER LIHOLIHO COUNCIL No 1, OF KADOSH; meets on the third Monday of alternate months from February.

EXCELSIOR LODGE, No 1, I O of O F; meets at the hall in Odd Fellows' Building, on Fort Street, every Tuesday evening.

HARMONY LODGE, No 2, I O of O F; meets each Monday evening in Harmony Hall.

POLYNESIA ENCAMPMENT, No 1, I O of O F; meets at Harmony Hall, King street, first and third Fridays of each month.

OAHU LODGE No 1, K of P; meets every Wednesday at hall on Fort Street.

MYSTIC LODGE, No 2, K of P; meets every Thursday evening, at Harmony Hall.

SECTION No 225—ENDOWMENT RANK, K of P; meets on the second Saturday of January, July and December in the hall of Oahu Lodge.

HAWAIIAN COUNCIL No 689, AMERICAN LEGION OF HONOR; meets on second and fourth Friday evenings of each month in Harmony hall.

OCEANIC COUNCIL, No 777, AMERICAN LEGION OF HONOR; meets on the first and third Thursdays of each month, at the K of P hall.

HAWAIIAN TRIBE, No 1, IMP. O R M; meets at the hall of Oahu Lodge, K of P, every Friday evening.

COURT LUNALILO, No 6600; A O of FORESTERS meets at hall of Oahu Lodge, K of P, on second and fourth Tuesdays of each month.

GEO. W DE LONG POST, No 45, G A R; meets the second Tuesday of each month at Harmony hall.

Places of Worship.

BETHEL UNION CHURCH (Congregational) corner of King and Bethel streets, Rev E C Oggel, Pastor. Services every Sunday at 11 A M. and 7:30 P. M. Sunday School meets at 9:45 A. M. Prayer Meeting Wednesday evenings at 7:30.

FORT STREET CHURCH (Congregational) corner of Fort and Beretania streets, Rev J A Cruzan, Pastor. Services every Sunday at 11 A M and 7:30 P. M. Sunday School meets one hour be-

fore morning service. Prayer Meeting Wednesday evenings at 7:30, and Sunday evenings at 6:45.

ROMAN CATHOLIC CHURCH, Fort Street, near Beretania; Rt Rev Hermann, Bishop of Oaha, Revs Rejis and Clement, assisting. Services every Sunday at 5 and 10 A M, and at 4:30 P. M. Low Mass every day at 6 and 7 A M. High Mass Sundays and Saints' days at 10 A M.

EPISCOPAL CHURCH, Emma Square; Rt Rev. Bishop of Honolulu officiating, assisted by Rev A Macintosh and Rev Geo Wallace. Services in English every Sunday at 6:30 and 11 A M, and 7:30 P. M. Services in Hawaiian every Sunday at 9 A M and 3:30 P. M. Sunday School one hour before English morning service.

CHRISTIAN CHINESE CHURCH, Fort Street, F W Damon, Acting Pastor. Services every Sunday at 10:30 A M and 7:30 P. M. Prayer Meeting Wednesdays at 7:30 P. M.

NATIVE CHURCHES.

KAWAIAHAO CHURCH (Congregational), corner of King and Punchbowl Streets, Rev H H Parker, Pastor. Services in Hawaiian every Sunday at 11 A M, and at 7:30 on Sunday evenings alternating with Kaunakapili. Sunday School at 10 A M. Prayer Meeting Wednesday at 7:30 P. M.

KAUNAKAPILI CHURCH (Congregational), Beretania street, near Mauna'ea. Rev J Waiama, Pastor. Services in Hawaiian every Sunday at 10:30 A M, and at 7:30 P M on Sunday evenings alternating with Kawaiahao. Sunday School at 9:30 A M. Prayer Meeting every Wednesday at 7:30 P M.

Publications.

The *Daily Pacific Commercial Advertiser*, issued every morning (except Sundays); weekly edition issued on Tuesdays. R. J. Creighton, Managing Editor.

The *Daily Bulletin*, issued every evening (except Sundays). Dan Logan, Editor.

The *Daily Honolulu Press*, issued every morning (except Sundays). L. T. Valentine, Manager.

The *Gazette*, issued every Tuesday morning. R. Grieve & Co., Publishers and Proprietors.

The *Elele Poakolu* (native), issued every Wednesday.

The *Hawaii Pas Aina* (native), issued every Saturday morning. J. U. Kawainui, Publisher and Editor.

The *Kuokoa* (native), issued every Saturday morning. Rev. H. H. Parker, Publisher and Editor.

The *Friend*, issued on the first of each month. Rev. J. A. Cruzan and E. C. Oggel, Editors and Publishers.

The *Anglican Church Chronicle*, issued on the first Saturday of every month. Revs. A. Mackintosh and G. Wallace, Editors.

The *Planters' Monthly*, issued on the 15th of each month. L. A. Thurston, Editor.

The *Hoku o ke Kai*, (native), issued every month. His Majesty the King, Proprietor.

ALPHABETIC, ANALYTIC AND SYSTEMATIC INDEX

OF

Subjects Contained in the First Twelve Issues

OF THE

Hawaiian Almanac and Annual.

[PREPARED BY A. MARQUES ESQ.]

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