#### **Additional Information**

Figure #	Name	Description
1	USGS Map	USGS Map of Wailuku, showing location of property
2	ТМК Мар	Current Tax Map Showing Property Boundary and Location
3	Insurance Map	1914 Sanborn Insurance Map, Wailuku
4	Sketch Map	1919 Japanese Ichiran Sketch Map
5	Insurance Map	1927 Sanborn Insurance Map, Wailuku
6	Enumeration Map	1940 Enumeration District Maps, Maui, Wailuku
7	Smart Tract Map	1928 Smart Tract Map, Wailuku
8	Insurance Map	1950 Sanborn Insurance Map, Wailuku
9	Location Map	Wailuku Map of Historic Sites
10	Site Plan	Site Plan
11	Floor Plan	Floor Plan
12	Newspaper Article	Unsung Hero of Hawaiian Sugar, Honolulu Record, August 5, 1954.
13	Newspaper Article	Unsung Hero of Hawaiian Sugar, Honolulu Record, August 5, 1954 (Cont.)
14	Historic Photo	William Henry Crozier in Sugar Plantation Laboratory
15	Historic Photo	Crozier Family
16	Historic Photo	William Henry Crozier in Sugar Plantation

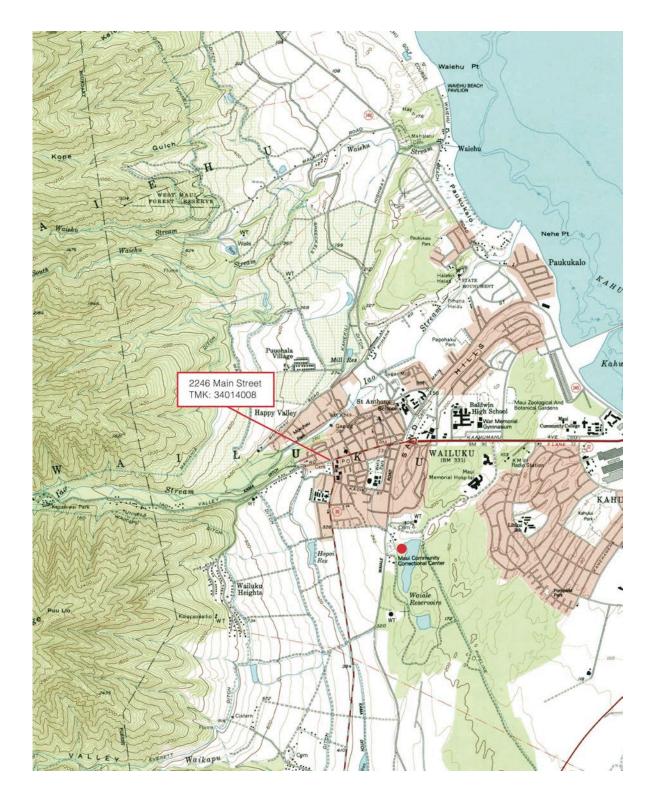


Figure 1: USGS Map of Wailuku, showing location of property

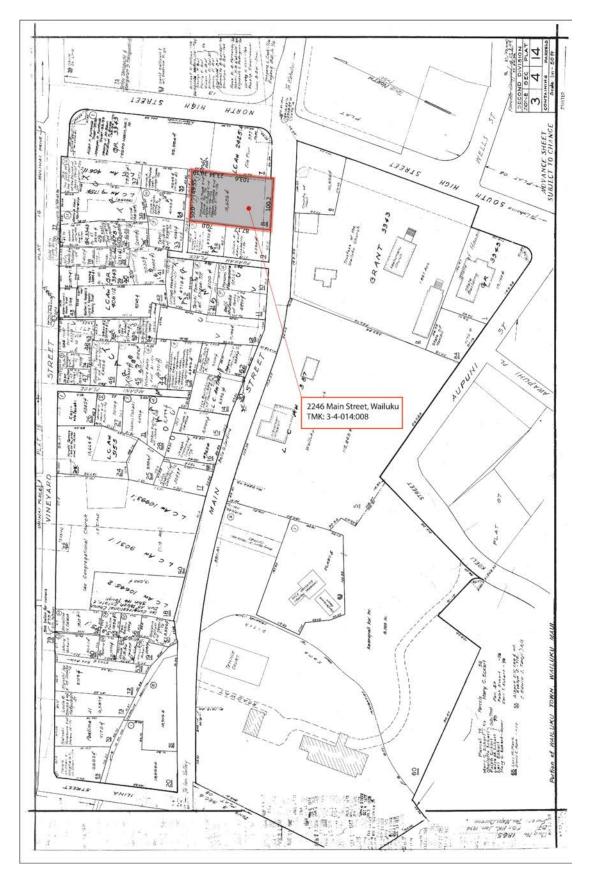
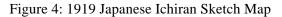
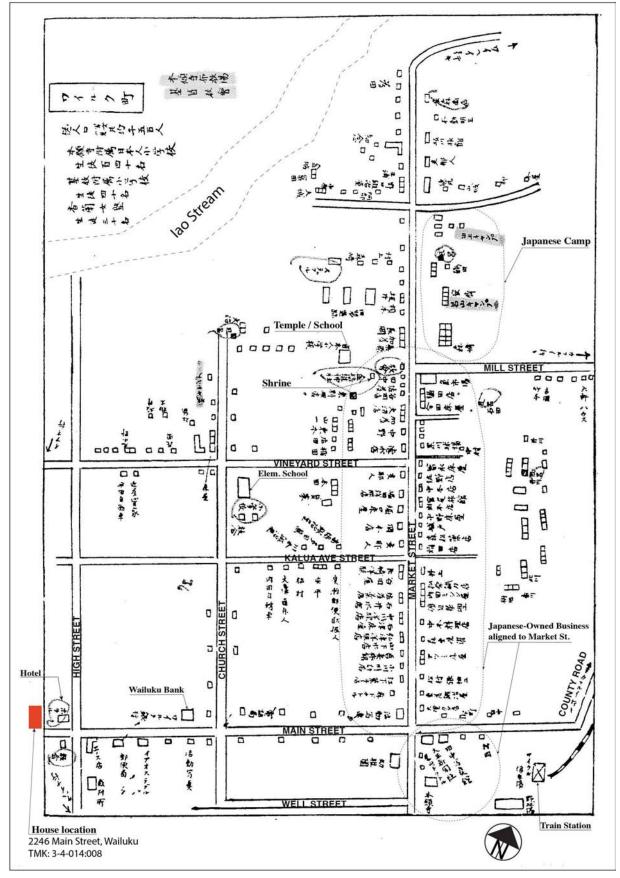


Figure 2: Current Tax Map Showing Property Boundary and Location



Figure 3: 1914 Sanborn Insurance Map, Wailuku





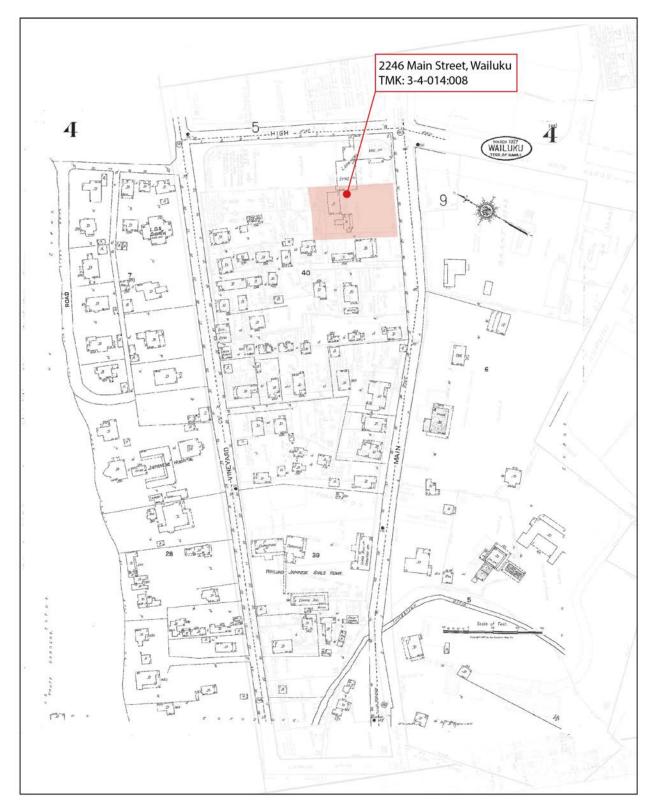
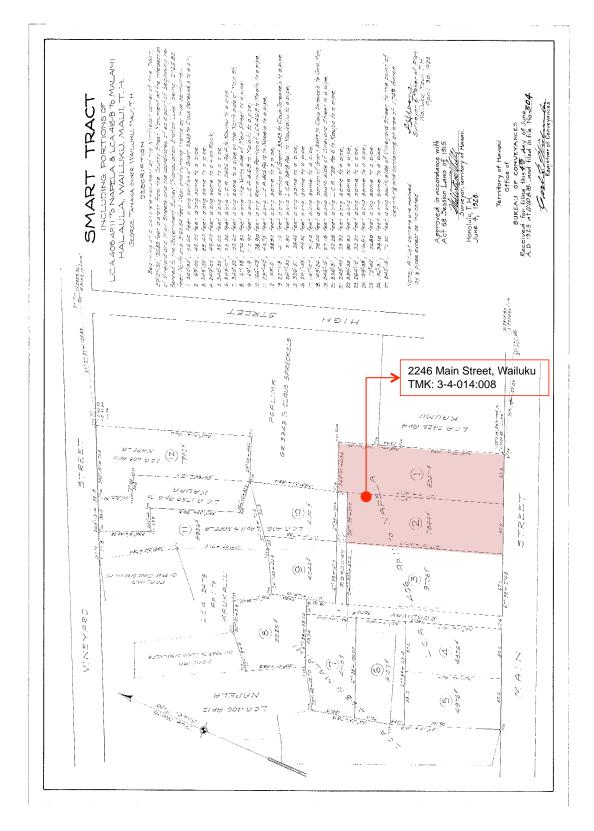


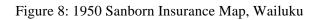
Figure 5: 1927 Sanborn Insurance Map, Wailuku

#### Figure 6: 1928 Smart Tract Map, Wailuku



#### Figure 7: 1940 Census Enumeration District Map, Maui, Wailuku





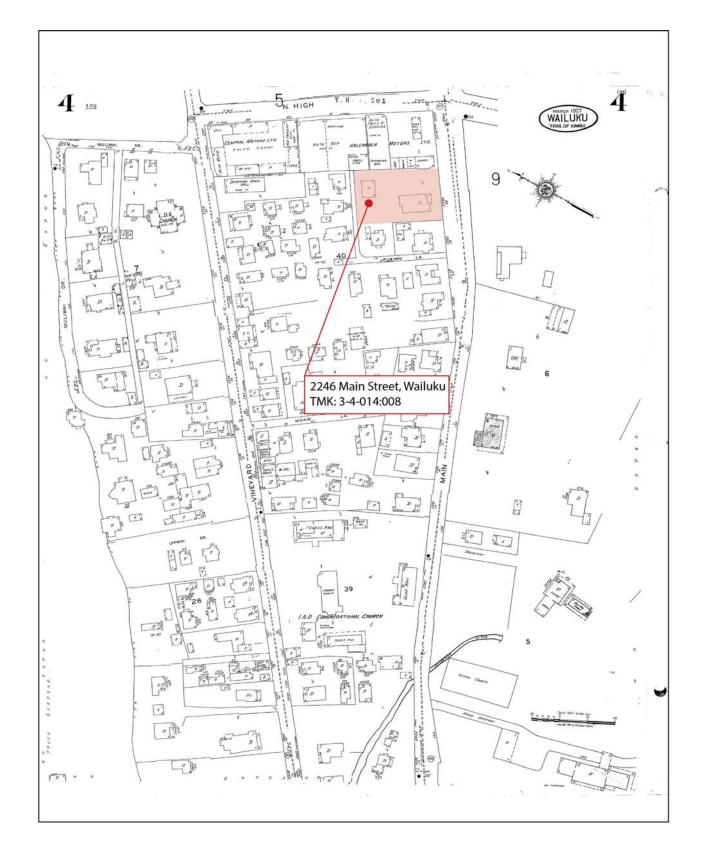
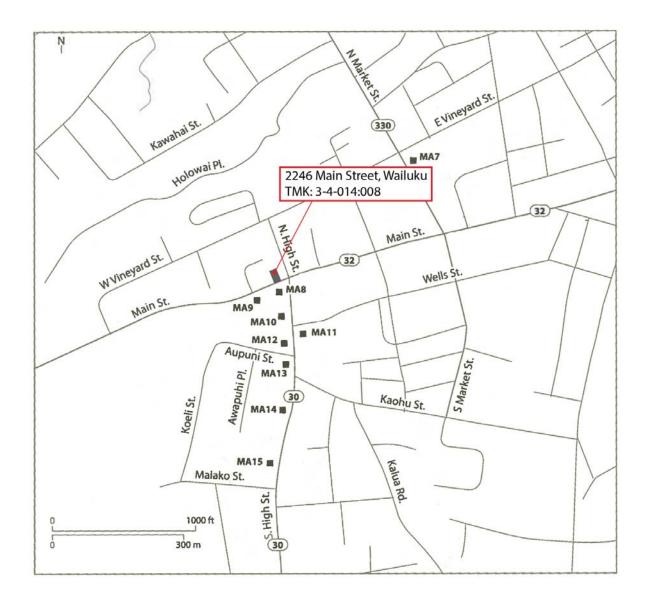


Figure 9: Location Map<sup>1</sup>, Wailuku Map of Historic Sites

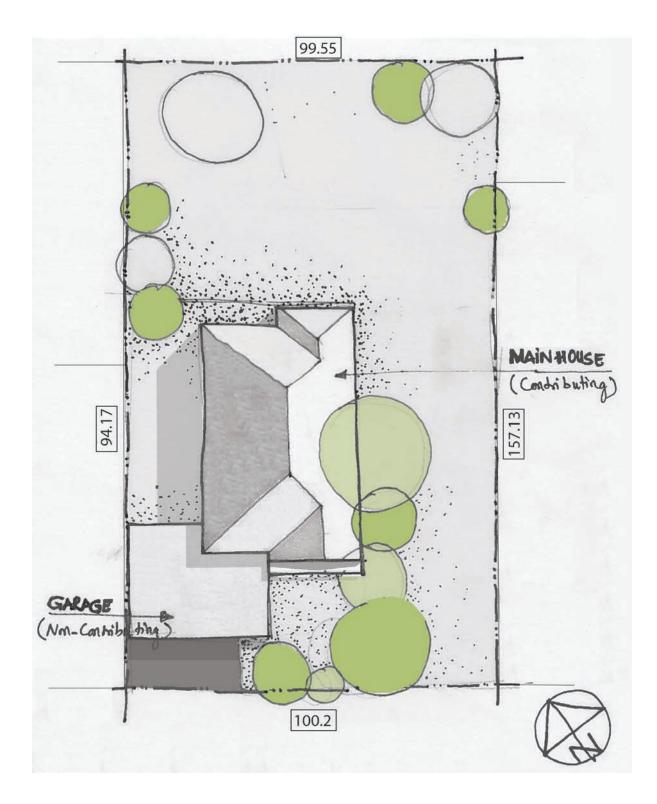
This map is showing the historical sites within the Wailuku area. In 1905, Wailuku was the seat of government for the County of Maui. The following sites surround the Crozier Residence, which sits at the edge of this once vital government/merchantile center:

- MA8 Alexander House, 1836. 2331 W. Main St.
- MA9 Edward Bailey House, 1833. 2375 Main St.
- MA10 Kaahumanu Church, 1876, Edward Bailey. 103 S. High St.
- MA 11 Maui County Courthouse, 1907, H.L. Kerr. 150 S. High St.
- MA 12 Territorial Building, 1931, C.W. Dickey S. High and Aupuni St.
- MA13 Wailuku Library, 1928, C.W. Dickey. 251 S. High St.
- MA14 Wailuku Union Church, 1912, W.R. Patterson with Emory and Webb. 327 S. High St.
- MA 15 Wailuku Elementary School, 1904, Dickey and Newcomb. 355 S. High St.



<sup>&</sup>lt;sup>1</sup> Hibbard, p. 194.

#### Figure 10: Site Plan, showing driving way, house and surroundings



#### Figure 11: Floor Plan Sketch

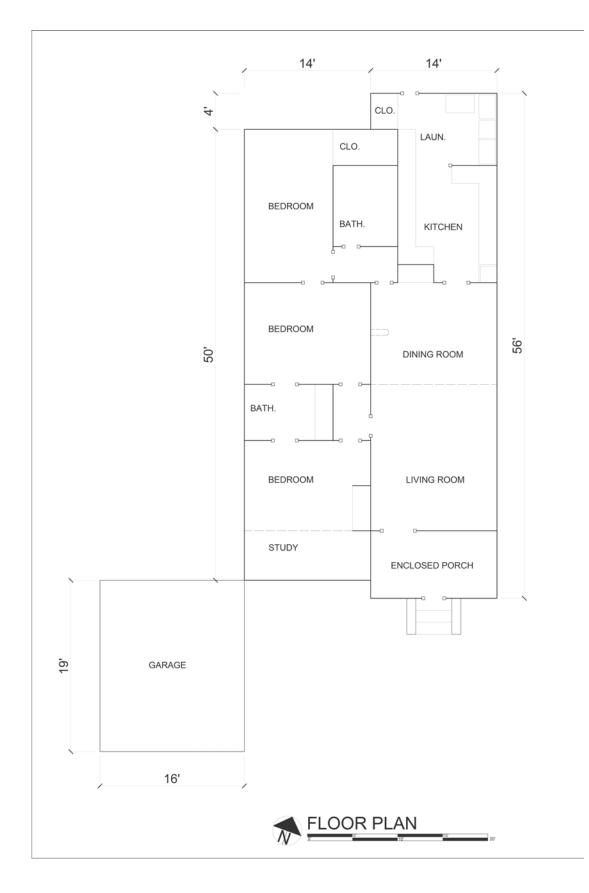


Figure 12: Newspaper Article: Unsung Hero of Hawaiian Sugar, Honolulu Record, August 5, 1954.

**Unsung Hero of Hawaiian Sugar** The Reific Communical advertises. Thur Dec 7

NEW PROCESS OF SUGAR MAKING FOUND CL MAY ADD MILLIONS TO ISLAND INCOME

work has yet to be done to prove that the process will be a commer-cial success, and until this is done I think is is best not to mention any individual names in connec-tion with this matter." Why did Williams speak about "no names? Was he self-connectous that he got the publicity? Because of skew steamer wat

pinion." While the report did not men-on names, the Advertiser story

said: "Mr. Williams' work on the new process has extended over two years in a series of painstaking experiments."

Applause for Hero Explaining what the Williams invention meant to the sugar in-dustry in money gains, the story continued:

continued: "Taking the estimated sugar dionono tokes and theme 1916-17--dionono tokes and theme 1916-17--dionono tokes and theme 1916-17--tion and the second the second to sugar reserved during the pass of the source of \$2,03,250," williams was a big here in the system of the sugar barons. The Ad-sents of the sugar barons. The Ad-sents of the sugar barons the sop bases of the industry reached: "Brownings Mr. Williams' days

ns or the industry react "Recognizing Mr. Williams very as the biggest : hievement of the year in it of increasing the sugar eing efficiency of the Hay ands, the members of the tilen greeted the reading of port with a round of heart use."

tion national said:

J. N. S. Williams Announces Discovery of Methods For Extracting Additional Three Per Cent of Sucrose From the So-called "Final Molasses" Before Meeting of Planters Association

#### ADDITIONAL COST IS LIGHT

INVENTION of a new process for the recovery of sucross from final molasses that will mean a gain of at least three and have of approximately \$2,525,000 a year on the weare sugar arise the process opened a way of extracting sugar from what it was believed "final molasses" and because it upset estab-lished theories on sugar extraction. William H. Crozier Sr., then a chemist at Papaaloa, never did receive public recog-nition while he was alive.

hen J. N. S. Williams, field near for T. R. Davies & Co., the sensational report on the process of extracting more-rout of "final molasses" at Havailan Sugar Planters Assn. Havailan Sugar Planters Assn. managerial ability, with an manufa arm, was hard at suck like chemistry laboratory at subschool Sume Co. Sugar Co.

Because on 1915, Greans on Dec 20, 1915, Greans her Williams: "I did not see any mention in the papers about recovery of sugart in waste molasses, did you put it up waste molasses, did you put it is the (bo the HEPA) and what is the to the HEPA) such menby when he died, in the ob-y in the dailies, did William Trailer Sr. receive credit and to recognition for his great ribution to the world's sugar

Mention of Croster divertiser's front-pure lead the Williams' report said the Williams' report said of the second second second al molecular of success in the commercial mean the failands, a money va-upproximately \$2,05500 a. the average sugar price if, was reported (to the neeting) by the Inventor Williams..." (Our empha-

Nowhere is the name a H. Cronier Sr. men-

letter from Williams to Cro-dated Dec. 8, 1918 and sent the latter at Papaaloa ex-ned:

ry of sucrose al Molasses, meeting of the Mers' Associaugar Planters' Associa-Wednesday afternoon se a copy of the 'Ad-which gives newspaper the announcement

names, excepting that of upahoeboe Sugar Company entioned in the paper which for the reason that, al-the fact has been estab-

To this superior Crosler had written on March 12, 1918, on a matter which has brought addi-tional tens of millions to the su-gar industry since then:

tonal tens of millions to the su-tar industry since then: . . . The sending you by Fursel Net for tens Solidities of the same sender of the sense of the same sense of the sense of the same sense of the sense of the same sense of the same sense of the sense of the sense of the same sense of the sense of the sense of the same sense of the sense of the

"You Are Doing Better" On Nov. 7, 1915, one mouth be-fore his report to the HSFA, Wil-iams wrote Crosler on the mo-asses experiment:

There is no thought of letting go at this stare, you have con-firmed all previous experiments and are doing better than any of them, keep the good work up and we will reach the point we are alming at very soon." On Nov. 22, Williams wrote: "Wr. Davies will be know and

On Nov. 22. Williams wrote: "Mr. Davies will be here next. Tuesday, and I will be glad to have what information you can give me to lay before him when he arrives." (Apparently Mr. Dav-ies was making his periodic trip to Hawali from Britain. Ed.) World Atlention

World Attention The new discovery by Crozier at-tracted international attention. In the April 1917 issue of The In-ternational Sugar Journal. H. S. Prinsen Geerligs, Ph. D., wrote:

Primera Geerigs, Ph. D. wrote: "With considerable astonish-ment 1 have read in several sugar papers... of a new scheme, ad-vocated by Mr. J. N. 8. Williams, intended to extract sugar from final moisses—one not working on a new backs, but only by the application of exponention, cooling and curing in practically the same manner as unually done

manner as unably done ... The reads further that it is a correct statement to any that the survey in all final molance produced in the tertitory will cra-tilize out in a grain that is visible to the unabled eye if the molances to evaporate to a dominary tem-terture. These statements, which, if true, these statements, which, if these tend to overthrow entirely all

molasses-theories established for some decades past. All work de-voted to the study of the forma-tion of molasses made by numei-ous scientists and practical men for scores of years both in the prevince of beet and of cane ss-gar would be rendered void, if really one had only to evaporate one's final molastes to a density of 50 degree Brix to see all of the success crystallize out in a condi-tion which allows of its being ex-tracted by centrifugaling."

AUG. 5. 1954

Williams answered Dr. Geetligs in the July 1917 issue of the Inter-national Segar Journal, and uses his name in taking credit for the Laupshoehoe experiment, although he had written Crosser that it still was not time to mention names. Williams wrote:

To my knowledge, and previous to my announcement in December 1916, no one had ever observed or published the fact that in the absence of water, sucrose will crys-tallize out of a compound of su-crose, glucose, gums, and ash.

"... I have shown that it is frue that after greater concen-tration, more sugar crystallizes in molasses." (etc., etc. Our empha-ter 201) molasses sis. Ed.)

sn. zd.) "I Cannet Find" On September 17, 1917, Williams who was taking issue with Dr. Geerligs, a sugar authority, wrote Crotier:

"T cannot find in any of your letters to me a statement of the method you use to determine the sucrose in the final molasses re-sulting from spinning in the mo-lasses separator; will you be kind enough therefore to reply to the following questions by return mail. "In determining the degree Brix In determining the

\*

C-1

HONOLULU RECORD

do you use. .

do you use... "I am now engaged in writing up a report on low grade masse-celles for the Annual meeting of the H. S. P. A. and would be glid to have your reply as soon as you can send it." (Our emphasis-Hal). Williams wrote Creater from Honoluk constantly, encouraging him and pushing him. For Cro-zier the work of experimenting with molasses was an extra load

Other Work Besides . . . On Nov. 12, 1917, Crozier wrote Williams:

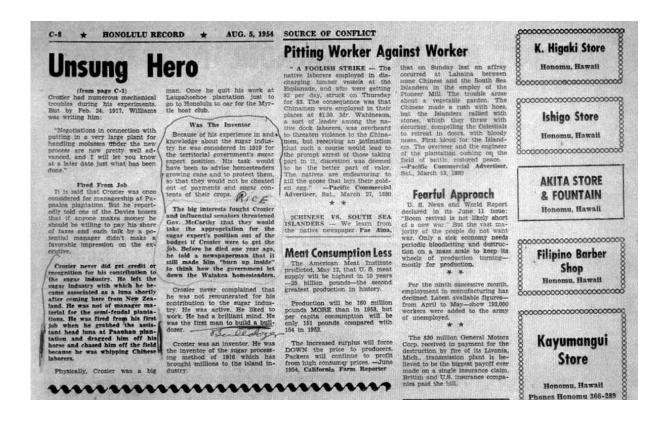
"Just a few lines to let you know on this Plantation that need look-into besides the Bolling House and the Laboratory.

"On Wednesday Oct. 30 we got rain, not much but there were about 300 men put to cut came and of course tried to flume B to the mill. The flumes were all so rotten that they broke . . .

rotten that they broke . "On Nov. 4 we had a hig that set the guiches running insted until Thursday and al case that got to the mill... 144 tons of case with hum of tons scattered along the fl and about 75 tons logether a part of the railroad down Laupaboshee guich and both hard

THE CROZIERS AT THEIR Papaaloa home located on the main highway, near the present location of the company bulletin board on the Honokaa side of the Papaaloa store by the sugar mill. Sitting with William II. Crozier Sr. is Mrs. Sara Doherty Crozier who marched in the torch parade with Queen Lilluokalani in protest against the white mis-sionary-business interest bloc that overthrew her govern-ment. She was the only white woma nwho attended the Walluku Democratic election rally with a Democratic ban-ner in her hat in 1932, before the Democrats took over the national administration. Standing are (L) William Jr., and (R) Clarence, who as territorial legislator fought for reform measures and took Big Five interests head on.

Figure 13: Newspaper Article: Unsung Hero of Hawaiian Sugar, Honolulu Record, August 5, 1954.



#### Figure 14: Historic Photograph

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Unknown
Date Photographed:	c. 1920
Description of Photograph:	William Henry Crozier Sr in Sugar Plantation Laboratory

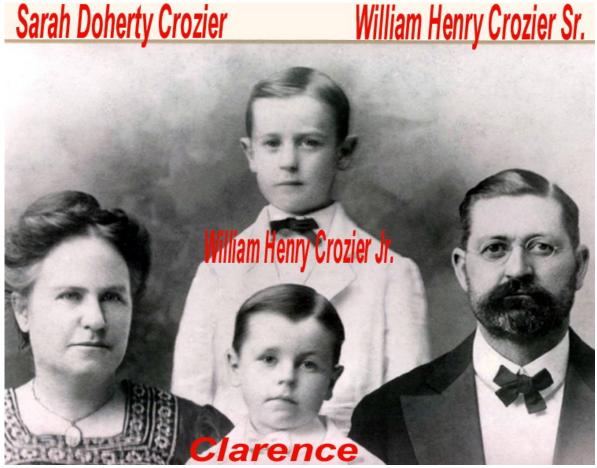


Source: Ancestry.com

#### Figure 15: Historic Photograph

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Unknown
Date Photographed:	c. 1910
Description of Photograph:	Crozier Family

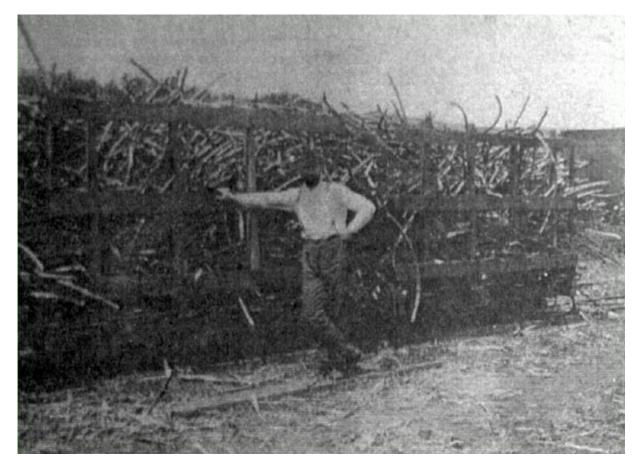
# Sarah Doherty Crozier



Source: Ancestry.com

#### Figure 16: Historic Photograph

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Unknown
Date Photographed:	c. 1900
Description of Photograph:	William Henry Crozier Sr in Sugar Plantation

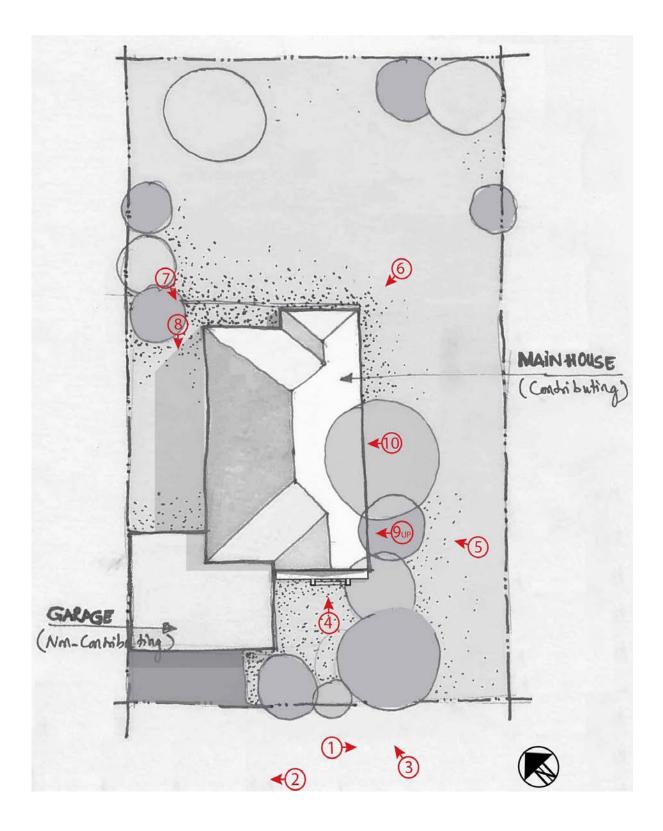


Source: Ancestry.com

#### Photographs, Exterior:

Photo #	Name	Description
1 of 10	Setting	View looking east down Main Street with house at left of photo
2 of 10	Setting	View looking West down Main Street with house to the right photo
3 of 10	Property Exterior	Street view of property with large Cyprus tree at entry
4 of 10	Property Exterior	Gabled roof enclosed front porch with entry steps and door; entry porch enclosed in 1959
5 of 10	Property Exterior	Oblique side view, view looking northwest
6 of 10	Property Exterior	Rear oblique, view looking southeast
7 of 10	Property Exterior	Rear oblique, view looking southwest
8 of 10	Property Exterior	West side yard, laundry pole in foreground
9 of 10	Property Exterior	Under eave detail
10 of 10	Property Exterior	View of post and pier foundation

Photo Key: Site Plan Exterior Photos



<u>Wailuku, HI</u> County & State

### Figure 1 of 10:

Crozier Residence
Wailuku
Lorraine Minatoishi
April 2016
View looking east down Main Street with house at left of photo



<u>Wailuku, HI</u> County & State

#### Figure 2 of 10:

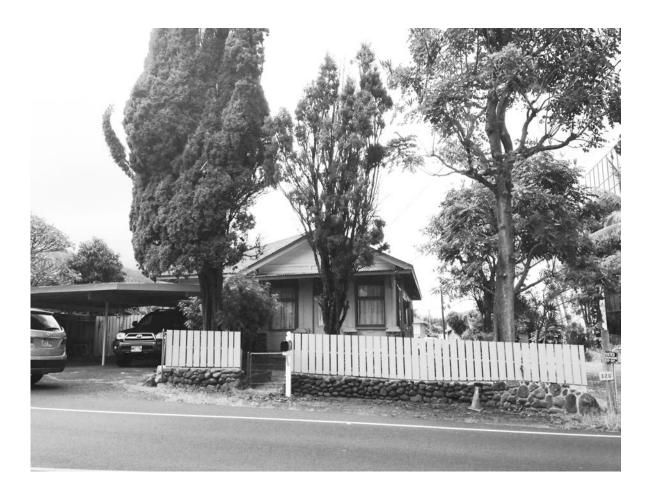
Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	View looking west down Main Street with house to right of photo



<u>Wailuku, HI</u> County & State

### Figure 3 of 10:

Crozier Residence
Wailuku
Lorraine Minatoishi
April 2016
Street view of property with large Cyprus tree at entry



### Figure 4 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Gabled roof enclosed front porch with entry steps and door; entry porch enclosed in 1959



<u>Wailuku, HI</u> County & State

### Figure 5 of 10:

Crozier Residence
Wailuku
Lorraine Minatoishi
April 2016
Oblique side view, view looking northwest



<u>Wailuku, HI</u> County & State

### Figure 6 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Rear oblique, view looking southeast



<u>Wailuku, HI</u> County & State

### Figure 7 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Rear oblique, view looking southwest



<u>Wailuku, HI</u> County & State

### Figure 8 of 10:

Name of Property:	Crozier Residence	
City or Vicinity:	Wailuku	
Photographer:	Lorraine Minatoishi	
Date Photographed:	April 2016	
Description of Photograph:	West side yard, laundry pole in foreground	



<u>Wailuku, HI</u> County & State

### Figure 9 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Under eave detail



<u>Wailuku, HI</u> County & State

### Figure 10 of 10:

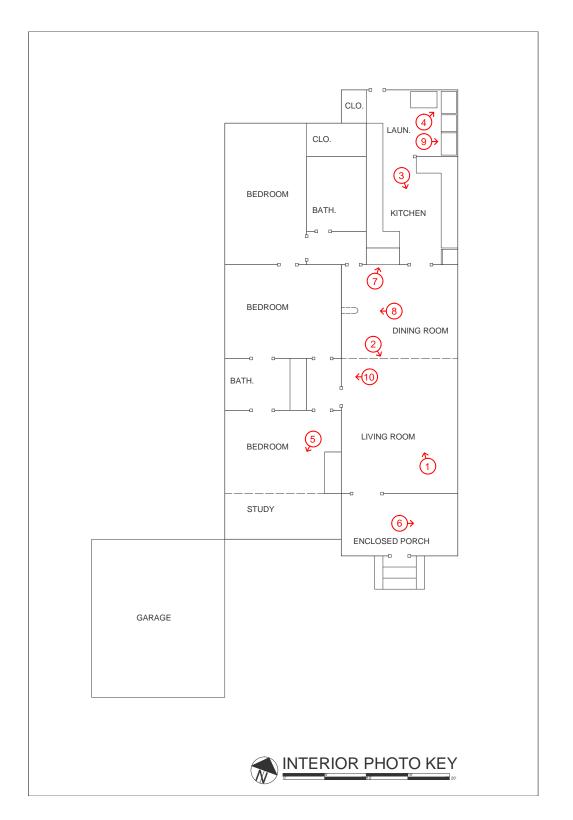
Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	View of post and pier foundation



## Photographs, Interior: Photo # Name

Photo #	Name	Description
1 of 10	Property Interior	View from living room, looking towards dining room
2 of 10	Property Interior	Living room, looking towards front door
3 of 10	Property Interior	Kitchen, looking towards dining area
4 of 10	Property Interior	Laundry room, view facing north east
5 of 10	Property Interior	Master Bedroom, view towards study
6 of 10	Property Interior	Porch interior elevation
7 of 10	Property Interior	Built-in buffet at dining room
8 of 10	Property Interior	Built-in ironing board
9 of 10	Property Interior	Concrete laundry tray
10 of 10	Property Interior	Upper ventilation grill detail

#### Photo Key: First Floor Interior Photos



<u>Wailuku, HI</u> County & State

#### Figure 1 of 10:

Crozier Residence	
Wailuku	
Lorraine Minatoishi	
April 2016	
View from living room, looking towards dining room	



#### Figure 2 of 10:

Name of Property:	Crozier Residence	
City or Vicinity:	Wailuku	
Photographer:	Lorraine Minatoishi	
Date Photographed:	April 2016	
Description of Photograph:	Living room, looking forwards front door	



#### Figure 3 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Kitchen, looking towards dining area



### Figure 4 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Laundry room, view facing north east



<u>Wailuku, HI</u> County & State

#### Figure 5 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Master Bedroom, view towards study



<u>Wailuku, HI</u> County & State

### Figure 6 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Porch interior elevation



<u>Wailuku, HI</u> County & State

### Figure 7 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Built-in buffet at dining area



<u>Wailuku, HI</u> County & State

### Figure 8 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Built-in ironing board



#### Figure 9 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016

**Description of Photograph:** Concrete laundry tray



### Figure 10 of 10:

Name of Property:	Crozier Residence
City or Vicinity:	Wailuku
Photographer:	Lorraine Minatoishi
Date Photographed:	April 2016
Description of Photograph:	Upper ventilation grill detail

