

PH0366439

DATA SHEET

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FOR NPS USE ONLY
FEB 20 1976
RECEIVED
DATE ENTERED SEP 27 1976

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM**

SEE INSTRUCTIONS IN *HOW TO COMPLETE NATIONAL REGISTER FORMS*
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

1 NAME

HISTORIC *nh*
G.A. Carlson Lime Kiln
AND/OR COMMON
Carlson's Lime Kiln

LOCATION

STREET & NUMBER East Fifth Street (NW $\frac{1}{4}$ of NE $\frac{1}{4}$ Section 29, T113N, R14W)
CITY, TOWN Red Wing VICINITY OF First
STATE Minnesota CODE 27 COUNTY Goodhue CODE 049

CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE
<input type="checkbox"/> DISTRICT	<input checked="" type="checkbox"/> PUBLIC	<input type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE <input type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input type="checkbox"/> PRIVATE	<input checked="" type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL <input checked="" type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL <input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	PUBLIC ACQUISITION	ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT <input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input type="checkbox"/> YES: RESTRICTED	<input type="checkbox"/> GOVERNMENT <input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input checked="" type="checkbox"/> YES: UNRESTRICTED	<input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> TRANSPORTATION
		<input type="checkbox"/> NO	<input type="checkbox"/> MILITARY <input type="checkbox"/> OTHER:

OWNER OF PROPERTY

NAME City of Red Wing
STREET & NUMBER

CITY, TOWN Red Wing VICINITY OF Minnesota

LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC. Goodhue County Courthouse
STREET & NUMBER

CITY, TOWN Red Wing STATE Minnesota

6 REPRESENTATION IN EXISTING SURVEYS

TITLE Minnesota Inventory of Historic Sites

DATE 1975 FEDERAL STATE COUNTY LOCAL

DEPOSITORY FOR SURVEY RECORDS Minnesota Historical Society, Building 25, Fort Snelling

CITY, TOWN St. Paul STATE Minnesota

7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input checked="" type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input checked="" type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

The Carlson Lime Kiln is built into the northeast end of Barn Bluff (Mt. LaGrange), where the raw limestone from the quarry above was readily available and easily moved to the kiln. The structure protrudes from the base of the bluff about fifteen feet. It is 60 feet wide at the base and slightly tapered to about 54 feet at the top. It is approximately 54 feet high.

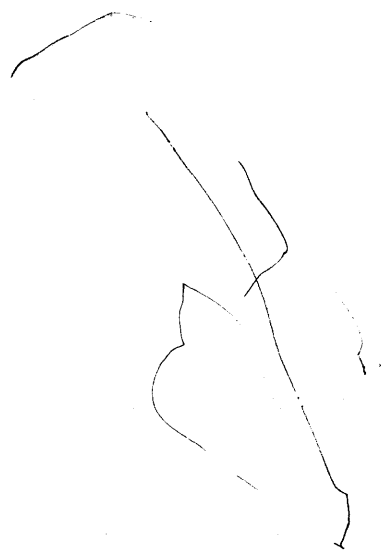
The structure is built of cut limestone blocks. There are three openings in the front. The center opening is 20 feet wide and 20 feet high, topped with a handsome keystone arch. This area is about 10 feet deep, and on the back wall (center) is a 3'x2' flue or chimney.

On each side of the center opening are two smaller openings, 4 feet wide and 5 feet high. These are also round-topped, but are edged in brick. These were no doubt the fire boxes.

The structure is in relatively good condition, although there is considerable debris and dirt on the floor. This could easily be removed in order to better expose the structure to view.

At the back edge of the property on the upper level plateau is a stone arch tunnel, extending into the bluff side probably 30'- 40'. This was apparently used for dynamite storage.

The front part of the tunnel and the entrance arch are in good condition, but the back part (15') has caved in. This too is an important part of the limestone operation at this site in Red Wing.



8 SIGNIFICANCE

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW				
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION	
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE	
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE	
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN	
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input checked="" type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER	
<input checked="" type="checkbox"/> 1800-1899	<input checked="" type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input type="checkbox"/> TRANSPORTATION	
<input type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input checked="" type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)	
		<input type="checkbox"/> INVENTION			

SPECIFIC DATES 1882

BUILDER/ARCHITECT G.A. Carlson

STATEMENT OF SIGNIFICANCE

The G.A. Carlson Lime Kiln, built in 1882 on the northeast end of Barn Bluff (Mt. LaGrange) in Red Wing, Minnesota, is typical of approximately thirty such kilns in use in the Red Wing area during the period from 1870 to 1908. Mr. Carlson at one time operated 12 lime kilns in Red Wing.

The quarrying of limestone from the many quarries in and around Red Wing provided a significant source of building materials for the city and surrounding areas as far distant as St. Paul and Minneapolis. Outside shipments were made by rail and river barge. Quarry products included cut stone for buildings, basements, walls, bridges and bridge abutments; rough stone for rip-rap; and burnt stone (chunk lime or unslaked lime) for use in mortar and plaster.

The Carlson Kiln or Barn Bluff often employed crews of 40 - 60 men in its limestone operation for quarrying, stone-cutting, loading and unloading the kiln, and shipping. The "Milwaukee" Road had a spur track or siding in front of the kiln. The lime was loaded on railcars by wheelbarrow.

Wood was used to fire the kilns. The lime burning process starts with the raw material, a calcite limestone (CaCO_3 , calcium carbonate) which is placed in the kiln to be "burnt" (burned) or roasted at a temperature of 2000°F . for several hours. The carbon dioxide is driven off in the burning process, leaving calcium oxide (lime) known as commercial lime, quick lime, or unslaked lime. One ton, or 2000 lbs. of limestone, will make 1000 lbs. of quicklime.

Since the entire Barn Bluff area, including the Carlson Lime Kiln, is now part of the Red Wing city park system, the kiln properly marked and identified as an important part of Red Wing's early history will add greatly to visitor attraction and interest in the area. The Carlson Lime Kiln of 1882 is a local landmark worthy of preservation.

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Lime Industry Once Flourished in Red Wing, by Bonnie Lieberman. Article in Republican Eagle, Red Wing, Mn. December 29, 1973.

History of Lime and Stone Industry in Red Wing, Mn., 1850-1916 by Bernt M. Eide.

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY approx. 1/2 acre

UTM REFERENCES

A

1	5	5	3	9	2	0	0	4	9	3	5	1	0	0
ZONE				EASTING				NORTHING						

B

ZONE				EASTING				NORTHING						

C

ZONE				EASTING				NORTHING						

D

ZONE				EASTING				NORTHING						

VERBAL BOUNDARY DESCRIPTION

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	CODE	COUNTY	CODE
STATE	CODE	COUNTY	CODE

11 FORM PREPARED BY

NAME / TITLE

G. J. Kunau, Chairman

ORGANIZATION

Red Wing Planning Commission

DATE

1 November 1975

STREET & NUMBER

1347 Red Oak

TELEPHONE

CITY OR TOWN

Red Wing

STATE

Minnesota

12 STATE HISTORIC PRESERVATION OFFICER CERTIFICATION

THE EVALUATED SIGNIFICANCE OF THIS PROPERTY WITHIN THE STATE IS:

NATIONAL

STATE

LOCAL

As the designated State Historic Preservation Officer for the National Historic Preservation Act of 1966 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service.

STATE HISTORIC PRESERVATION OFFICER SIGNATURE

Russell W. Fridley

TITLE

Russell W. Fridley

State Historic Preservation Officer

DATE

2-12-76

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

James T. ...
DIRECTOR, OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION

DATE

9/29/96

...
KEEPER OF THE NATIONAL REGISTER

DATE

9-7-76