Historic Furnishings Report/HFC

SLEEPING BEAR DUNES NATIONAL LAKESHORE

SLEEPING BEAR POINT LIFE-SAVING STATION



HISTORIC FURNISHINGS REPORT

Sleeping Bear Point Life-Saving Station
Sleeping Bear Dunes National Lakeshore
Frankfort, Michigan

by
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Harpers Ferry Center
National Park Service
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CONTENTS

LIST OF ILLUSTRATIONS /iii

ACKNOWLEDGMENTS /iv

ADMINISTRATIVE DATA SECTION /1

DEFINITION OF INTERPRETIVE OBJECTIVES AND OPERATING PLAN /1
Introduction /1

HISTORICAL DATA SECTION /7

I. ANALYSIS OF HISTORICAL OCCUPANCY /7
Introduction /7
Occupancy Chart /12

II. EVIDENCE OF ORIGINAL FURNISHINGS /16
Introduction /16
Station House Furnishings /18
Crew's Quarters /18
Introduction: /18
Architectural Specifications: /19
Furnishings Records from Log Books: /20
Books and Reports from Log Books: /22
Books and Forms Noted by Letters Received: /23
Oral History Interviews with Cliff Deering: /24
List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station, 1901: /25
Boathouse Furnishings /36
Introduction: /36
Boats: /37
Equipment Noted in Letters Received: /42
Equipment Noted in Letters Sent: /44
Boathouse Furnishings from Log Books: /44
Oral History Interviews: /48
List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station: /50
Historic Photographs: /65

IMPLEMENTATION SECTION /99

I. RECOMMENDED FURNISHINGS /99
Introduction /99

Crew's Quarters /100
Furniture: /101
Accessory Furnishings: /102
Uniforms: /106
Boathouse /110
Boats: /111
Additional Equipment: /124
West Wall, Boathouse: /126
North Wall: /129
East Wall: /130
South Wall: /135
Cost Estimates /138

Floor Plans and Elevations /142
Crew's Quarters /143
Boathouse /144

APPENDICES /145

I. Log Books, Sleeping Bear Point /146

II. Wreck Report, Sleeping Bear Point /192

III. List of Articles of Outfit /199

IV. Letters Received, Sleeping Bear Point /250

V. Vouchers from Letters Received, Sleeping Bear Point /253

BIBLIOGRAPHY /272

LIST OF ILLUSTRATIONS

Figures

1. Charles Robinson and Crew /67
2. Keeper Walker and Crew Launching Surfboat /69
3. Crew in Swimsuits /71
4. Keeper Walker and Crew in Surfboat /73
5. Charles Robinson Posing with Lyle Gun /75
6. Launching the Surfboat /77
7. Crew Practicing Resuscitation /79
8. Sleeping Bear Point Boathouse, Ramp, and Station /81
9. Sleeping Bear Point Boathouse, Beach Cart and East Wall /83
10. Sleeping Bear Point Boathouse, Interior View Looking Southeast /85
11. View of an Equipped Surfboat, Charlevoix Station /87
12. Boathouse at Oswego, New York Station /89
13. Cape Elizabeth, Maine Boathouse Interior /91
14. Crew's Quarters /93
15. Sleeping Quarters /95
16. Window Shade Sample /97

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ADMINISTRATIVE DATA SECTION

DEFINITION OF INTERPRETIVE OBJECTIVES AND OPERATING PLAN

Introduction

The Crew's Quarters and Boathouse at the Sleeping Bear Point Life-Saving Station, Sleeping Bear Dunes National Seashore will primarily convey an understanding of the life and work of the Life-Saving Service crew, provoke interest in the martime context of the station, and convey an understanding of the development and evaluation of the need for aids and assistance to mariners, as stated in the Interpretive Prospectus: Sleeping Bear Point Coast Guard Station (1981). The Crew's Quarters will show the military style life of the crew and exhibit the Life-Saving Service's summer and winter uniforms. The Boathouse will contain both furnishings and exhibits as outlined in the Interpretive Prospectus in order to demonstrate the use of the Life-Saving Service equipment on display. Some furnishings may have to be eliminated or moved in order to accommodate the exhibits and visitor access.

Crew's Quarters - Room 206

A. INTERPRETIVE OBJECTIVE - The main interpretive objective is to create a feeling of the spartan, semimilitary, rugged life of Life-Saving station crew members who lived at this station from 1901-1912 when it was at its original location at Sleeping Bear Point. This ambience will be created by use of original and replica furnishings and equipment. Original room furnishings were very meager; six or seven beds, small closets for each crew member with no nonregulation, personal items, pictures, or equipment in the room.

B. OPERATING PLAN - Visitors will have limited access to the room under the supervision of a park representative. Installation of seven beds will restrict circulation, however, visitors will be able to enter the room beyond the threshold. Closet A (206A, on attached plan) will be furnished with a complete set of the uniforms and equipment required of a crew member. The furnishings will be replicas. A barrier at the door will permit visitor viewing but prohibit access. Closet B (206B) will have an open door and contain replica uniform items available for visitors to try on and use under the supervision of a park representative. Closet C (206G) will have a partially open door. This closet contains the heating unit for this room which will provide environmental control for artifacts and exhibits. During the time period being interpreted, this room had no heat source. All other closet doors will be closed. The beds may be secured to the floor to prevent moving. The seven beds will be made up with regulation bedding. There was no lighting in this room other than hand-carried lamps, during the time being interpreted. No electrical lights should be evident in the room and if room illumination is necessary, it should be very discreet. Lighting will be necessary in closets A and B but should be very subdued in nature.

The Branch of Historic Furnishings, Harpers Ferry Center, will be responsible for acquiring all original items of clothing and equipment. They will provide research information to secure accurate replicas and copies of nonoriginal materials. The park has one original bed and a second source for a bed. These can be used for producing reproductions. The Branch of Historic Furnishings will identify uniform requirements, research fabrics, and design. The Denver Service Center will paint the walls and ceiling in the original historic coral color, Munsell Code 5Y716, and will restore the floor to its original finish.

Boathouse #1

A. INTERPRETIVE OBJECTIVE - The main interpretive objective is to create through the use of replica and original materials and equipment, combined with the physical attributes of the Boathouse and its location along the water, the feeling of a Life-Saving Service station ready to launch a rescue operation. The Boathouse will reflect the period 1901-1915 and will be furnished with a combination of original and reproduction (where necessary) artifacts to give the impression of a boathouse in use during the historic period 1901-1915. Interpretation will emphasize the two principal rescue methods used by the U.S. Life-Saving Service in making maritime rescues. These methods were using the beach apparatus including the beach cart and/or the surfboats and life car housed in the station. Consideration should be given to the influence of "smell" associated with ropes, lines, and other maritime materials, as well as visual attributes of the station to attain the desired effect.

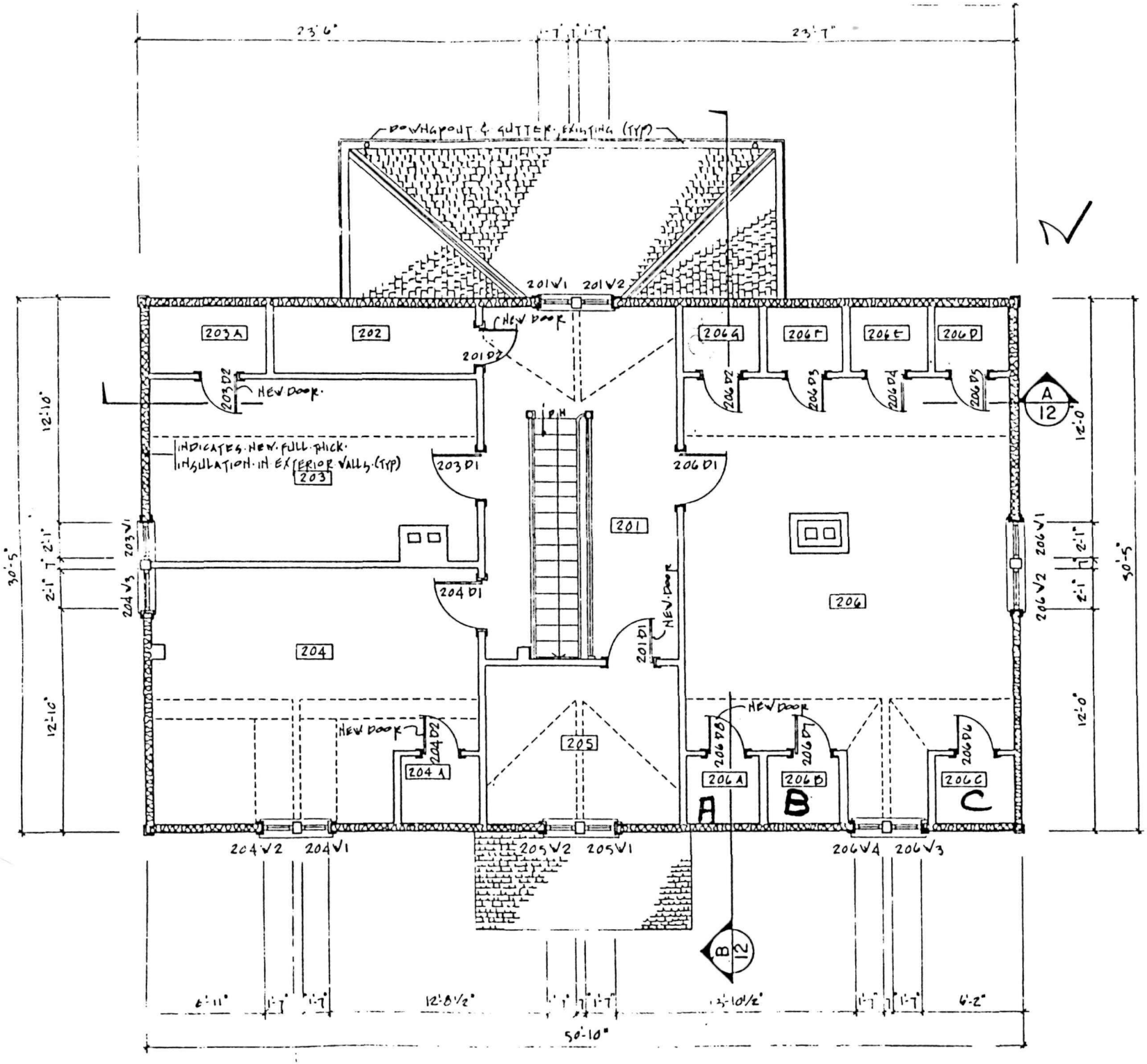
B. OPERATING PLAN - Visitors will have unaccompanied but restricted access to the Boathouse. A system of natural and constructed barriers will permit traffic flow the length of the Boathouse along a central passageway. One surfboat on the east side of the room will sit on a wagon over the rails. Its elevated position above the visitor will require only partial interior furnishings and will act as one side of a central passageway barrier. A second boat will occupy the west half of the boat bay. It will sit on a railroad carriage ready to launch down the marine railroad to the water. This boat (the Beebe-McLellan surfboat) will be fully equipped and ready for launch. A physical barrier will separate this boat from the visitor. Boat equipment will have to be secured on the craft. A life-car will be hung overhead on the east side of the Boathouse over the boat wagon.

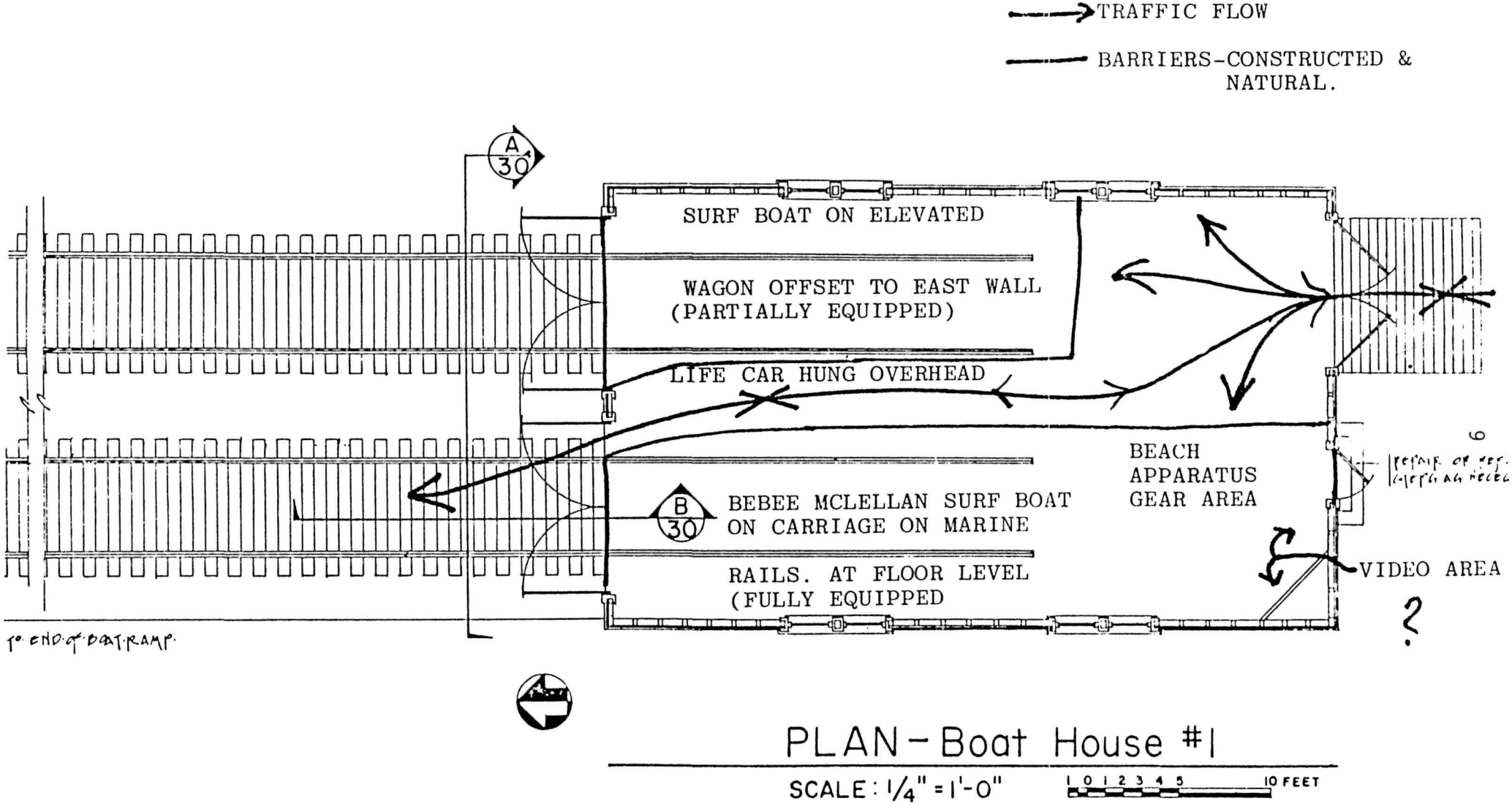
The beach apparatus, including a replica beach cart, Lyle gun, and a faking box, etc. will be displayed behind a barrier in the southwest corner of the Boathouse (see diagram). The southeast corner is the historic location of the beach cart. The original location is not recommended because of visitor access through the double doors on the south end of the building. Equipment for the beach cart should give the impression that it is partially stored in the cart and partially on the floor being readied and cleaned after a rescue or drill.

A video tape unit will be located in the southwest corner of the building. It will be positioned above eye height in a darkened location. The unit will play a tape of a beach cart drill reenactment provided by the Division of Audiovisual Arts, Harpers Ferry Center. Exhibits will be provided by the Division of Museum Production, Harpers Ferry Center, to interpret the use of the boats.

All double Boathouse doors will be open during favorable weather. In addition to the central Boathouse passageway barriers, barriers will have to be provided to prevent interior access along the north side of the building. Audible intrusion detection systems should be provided to supplement the physical barriers. They will alert National Park Service personnel who are on the grounds (but not necessarily in the Boathouse) that someone has crossed a barrier. Visitor safety may require removal of one of the pair of rails under the boat wagon inside the building.

The Boathouse is the highlight of this station. Its equipage should be complete. Equipment sources include the park maritime artifact collection, items acquired from other sources, and replica items. Replica items provide flexibility of use. A replica Bebee-McLellan surfboat could be used to demonstrate rescue techniques.


23'-6"
1'-7"
1'-7"
23'-7"
DOWNSPOUT & GUTTER, EXISTING (TYP)
201W1
201W2
NEW DOOR
203A
202
201D2
206A
206F
206E
206D
203D2
NEW DOOR
206D2
206D3
206D4
206D5
A
12
12'-10"
INDICATES NEW FULL THICK INSULATION IN EXTERIOR WALLS (TYP)
203
203D1
206D1
P.H.
201
206
203W1
204W3
2'-1"
2'-1"
204D1
NEW DOOR
201D1
206W1
206W2
2'-1"
2'-1"
30'-5"
30'-5"
12'-10"
12'-0"
204
205
NEW DOOR
204D2
204A
NEW DOOR
206D5
206D7
206D6
206A
206B
206C
A
B
C
204W2
204W1
205W2
205W1
206W4
206W3
B
12
1'-11"
1'-7"
1'-7"
12'-8 1/2"
1'-7"
1'-7"
3'-10 1/2"
1'-7"
1'-7"
4'-2"
50'-10"



PLAN - Boat House #1

SCALE: 1/4" = 1'-0"

0 1 2 3 4 5 10 FEET

HISTORICAL DATA SECTION

I. ANALYSIS OF HISTORICAL OCCUPANCY

Introduction

William Walker, first keeper at Sleeping Bear Point Life-Saving Station, was appointed February 12, 1902 and sworn in February 19. His first crew member, Charles Robinson, was appointed March 18 of that year, and the rest of the six-man crew was added in August. An attached occupancy chart lists keepers and crew members in chronological order of enlistment from 1902 to 1915.[1]

In March of 1904, the 12th District Assistant Inspector of the Life-Saving Service asked the Inspector to increase the crew strength at Sleeping Bear Point and South Manitou by one each.[2] He gave the following reasons:

> These are outlying stations, entirely away from any assistance by tugs, and situated where it is almost impossible to obtain any additional help in case of necessity. Their work is all in boats, mostly at long distances, and in bad seas and currents. By reason of their location there is necessarily a great deal of loading and unloading of boats from wagons at all seasons of the year,

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1. For the years 1902 to 1913, information about the employees at Sleeping Bear Point is located in the United States Life-Saving Service, Register of Employees, Districts, 10-13, V, Record Group 26, The National Archives, Washington, D.C. (hereafter cited as NA). Information for the years 1913 to 1915 can be found in the U.S.L.S.S. Articles of Enlistment, Sleeping Bear Point, District 12, RG26, NA.

2. U.S.L.S.S. Assistant Inspector, 12th District to Inspector, 12th District, March 1, 1904 Letters Received (86008) Sleeping Bear Point Life-Saving Station, 12th District, RG26, NA.

> and considerable steady work shovelling sand, fixing up new grounds, etc. In good weather they are almost always short-handed by the absence during daylight of the regular liberty man, and have but five men to man the Beebe-McClellan surfboat. A like condition obtains whenever in good or bad weather it becomes necessary to leave a surfman at the station to attend signals or telephones, to keep watch on other vessels, etc., and five men in a Beebe-McClellan surfboat are not enough even in good weather. All other stations in this district have seven surfmen or more.[3]

In May of that year, a seventh crewman was appointed.[4] During the remaining ten years the Life-Saving Service operated Sleeping Bear Point, the crew consisted of one keeper and seven crew members. Temporary surfmen were often hired to fill a vacancy until a new crew member arrived. Between 1902 and 1915, Sleeping Bear had three keepers and twenty different crewmen.[5] Only one crew member was killed while on duty. His death was described in the log book entry for October 3, 1904:

> At about 7:45 P.M. while in the lookout in a thunder storm Surfman John Dwiggans was struck and instantly killed by lighting. Was found by Surfman Charles Robinson when going after the Time Detector.[6]

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3. Ibid.

4. U.S.L.S.S., Register of Employees, Sleeping Bear Point, RG26, NA.

5. Ibid., and U.S.L.S.S., Articles of Enlistment, Sleeping Bear Point RG26, NA.

6. U.S.L.S.S., October 3, 1904, Log Book, Sleeping Bear Point, RG26, Washington National Records (hereafter cited as WNRC).

Two crew members remained at the station from its opening until 1915 when the Coast Guard took over the Life-Saving Service. Most of the crew were native to Michigan and had previous experience as surfmen at other stations or as fishermen.[7] Only the last keeper was married, but about half of the surfmen had families.

The daily routine of duties for the keeper and crew at Sleeping Bear Point was spelled out in detail by Life-Saving Service manuals. The 1899 Regulations for the Government of the Life-Saving Service of the United States (Washington: Government Printing Office) was probably the edition used by the Sleeping Bear Point crew. This manual outlines the duties of the keeper and the crew, and prescribes their drills with beach apparatus. Tasks, such as housekeeping, outdoor work, sand removal, painting, cleaning, and repair of Boathouse equipment, and drills with the life-saving apparatus kept the crew busy.[8] Occasional duties included building a boat launchway, bureaus for the crew's quarters, a woodshed, and helping to put up telephone poles between Glen Haven and Sleeping Bear Point.[9] Every twenty-four hours was divided into two-hour patrols and watches with each man usually taking two patrols back-to-back, thus making each patrol and watch four hours.[10] (See sample Log Book pages, Appendix I.)

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7. U.S.L.S.S., Register of Employees, Districts 10-13, RG26, NA and U.S.L.S.S., Articles of Enlistment, Sleeping Bear Point, District 12, RG26, NA.

8. U.S.L.S.S., 1902-1915 Log Books, Sleeping Bear Point, RG26, WNRC.

9. U.S.L.S.S., June 17, 1904, February 20, 1913, October 13, 1904, May 16, 1903, Log Books, Sleeping Bear Point, RG26, WNRC.

10. U.S.L.S.S., 1902-1915 Log Books, Sleeping Bear Point, RG26, WNRC.

A major part of the crew's job was maintaining the station and its equipment. Log Books indicate that a thorough housecleaning took place once a week. Painting and repair of windows and screens was seasonal. Life-saving apparatus was cleaned after every use. Boats were painted periodically.[11] Apparatus could not easily be sent away for repairs from the isolated Sleeping Bear Point station; therefore, crew members were expected to make all minor repairs. The station had a small workshop at the rear of the building[12] and even had a blacksmithing outfit[13] (forge, anvil, two hammers, and two pairs of tongs). For example, when the station began using a motorized surfboat in 1912, experience with gasoline engines became a criteria for hiring surfmen. The importance of this criteria can be seen from the experience records on the occupancy chart.

The daily log shows the crew at Sleeping Bear Point did a good job of warning vessels about the dangerous waters. A typical Log Book entry reads: "At 10:45 P.M. the station watch discovered a steamer dangerously near the shore. He at once burn a Coston signal. The steamer at once change her course" (November 4, 1905).[14] Wreck reports for the years 1904, 1905, and 1906 show that no lives and no ships were lost.[15] In fact, there were very few wrecks; two were re-

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11. Ibid.

12. U.S.L.S.S., June 26, 1907, Log Books, Sleeping Bear Point, RG26, WNRC.

13. U.S.L.S.S., August 26, 1903, Log Book, Sleeping Bear Point, RG26, WNRC.

14. U.S.L.S.S., November 4, 1905, Log Book, Sleeping Bear Point, RG26, WRNC.

15. U.S.L.S.S., "Wreck Reports of Stations," 1874-1909, Form 1806, RG26, NA and U.S.L.S.S., "Register of Wreck Reports Received from Life-Saving Stations," VII, RG26, NA.

ported in 1904, none in 1905, and three in 1906.[16] An example of a wreck report is included in Appendix II.

When the Coast Guard took over the Life-Saving Service in 1915, little changed. Life-Saving Service equipment continued to be used for many years. Log Book entries in 1930 indicate beach apparatus and the power surfboat were still being used for drills.[17]

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16. Ibid. See dates May 6, 1904; May 1, 1906; May 8, 1906; and May 19, 1906 for wreck reports.

17. U.S.L.S.S., May 23, 1930; April 10, 1930; June 5, 1930, Log Book, Sleeping Bear Point, RG, WNRC.

Occupancy Chart

NAME	POSITION	P.O. ADD.	PREV. OCC.	BORN	BIRTH DATE	APPOINTED	STATUS	SALARY	DATE LEFT	REASON
WALKER, William	Keeper (1902-1910)	Glen Haven, MI	Surfman, Grand Haven	MI	12-21-1868	2-12-1902	S	$900 Yr. til 1908 $1000 Yr.	6-1-1910	To Grand Haven as Keeper
ROBINSON, Charles	Surfman No. 1 (1902-1913)	Glen Haven, MI	Surfman, Grand Haven	MI	1871	8-20-1902	M	$65 Mo. til 3-26-1908 $70 Mo.	2-21-1913	Promoted, Keeper/ Sleeping Bear Point
-----	Keeper (1913-)	-----	-----	--	----	2-21-1913 (Took oath 3-10-1913)	-	$1000 Yr.	------	Keeper when Coast Guard took over
PARTRIDGE, Frank	Keeper (1910-1913)	Glen Haven, MI	Surfman, Michigan City	MI	1870	5-23-1910	S	$1000 Yr.	3-9-1913	Transferred to Charlevoix
ALLERS, Herman W.	Surfman, 6, 4, 3 (1902-1906)	Glen Haven, MI	Sailor	MI	1880	8-20-1902	M	$65 Mo.	7-15-1906	"Dis. [charged] own req. [uest] to engage in other business"
BELL, Jesse	Surfman No. 4 (1902-1904)	Glen Haven, MI	Temporary Surfman, Muskegon for 21 days	--	1876	8-20-1902	S	$65 Mo.	3-31-1904	Received position on police force
DWIGGANS, John	Surfman No. 2 (1902-1903)	Glen Haven, MI	Surfman, Grand Haven	OH	186[?]	8-20-1902	M	$65 Mo.	10-3-1903	Struck by lightning, killed instantly
MASTAIN, George W.	Surfman 3, 2 (1902-1915) 1913-Assistant Motorman; 1914-Motorman	Glen Haven, MI	Surfman, Grande Point au Sable	NY	1873	8-20-1902	D	$65 Mo.	-----	No. 2 when Coast Guard took over

NAME	POSITION	P.O. ADD.	PREV. OCC.	BORN	BIRTH DATE	APPOINTED	STATUS	SALARY	DATE LEFT	REASON
SMITH, Robert	Surfman 5, 3 (1902-1905)	Glen Haven, MI	Temporary Surfman, South Haven (12 days)	MI	1879	8-20-1902	S	$65 Mo.	3-2-1905	Transfer to Holland Station
McCAWLEY, Patrick J.	Surfman 6, 5, 4, 3, 1 (1903-1915); 1915-No. 1	Glen Haven, MI	Surfman, Ludington	MI	5-26-1868	11-16-1903	M	$65 Mo. til 1908 $70 Mo.	3-31-1909	Did not reenlist; reinstated 8-27-1909; No. 1 when Coast Guard took over
OLSON, Peter	Surfman 6 (1904-1905)	Glen Haven, MI	Experience Sailing	MI	10-6-1879	4-1-1904	S	$65 Mo.	7-2-1905	"Dis. [charged] at own req. [uest] to better his condition"
SMITH, James	Surfman 7, 5, 4 (1904-1913)	Glen Haven, MI	Fishing, substitute at Sleeping Bear Point	MI	11-11-1875	5-10-1904	M	$65 Mo.	3-16-1913	Went farming
BENNETT, Frank	Surfman 6, 5, 3 (1905-1914) 1913-No. 3 and Motorman	Glen Haven, MI	Surfman, South Manitou (1904-1905)	MI	8-14-1882	8-2-1905	M	$65 Mo.	5-4-1914	Died
CARDINAL, Peter	Surfman 7, 6 (1905-1907)	Glen Haven, MI	Laborer, substitute, Muskegon	MI	6-1-82	10-28-1905	S	$65 Mo.	3-31-1907	Transferred to Grand Haven
FRICKE, Charlie L.	Surfman 7, 6 (1906-1908)	Glen Haven, MI	Fisherman	MI	5-9-1884	7-22-1906	M	$65 Mo.	3-31-1908	"Dis. [charged] own req. [uest] to engage in other business"

NAME	POSITION	P.O. ADD.	PREV. OCC.	BORN	BIRTH DATE	APPOINTED	STATUS	SALARY	DATE LEFT	REASON
ACKERMAN, Charlie L.	Surfman 7, 6, 4 (1908-1914)	Glen Haven, MI	Working on railroad	MI	12-11-1884	4-23-1908	M	$65 Mo.	12-20-1913	Transferred to Pentwater Life-Saving Station
GILL, Alfred H.	Surfman 7 (1908-1912)	Glen Haven, MI	Fishing	WI	3-24-188[?]	8-13-1908	M	$65 Mo.	3-30-1912	"Dis. [charged] own req. [uest] to engage in other bus [ness]"
MARKHAM, Clarence O.	Surfman 6 (1908)	Glen Haven, MI	Surfman, Holland Station	MI	7-12-1888	4-1-1908	S	$65 Mo.	6-5-1908	Discharged
WHEELER, William E.	Surfman 7, 5 (1912-1915) 1913-No. 4 1914-1915-No. 3	Glen Haven, MI	Surfman, South Manitou Island (1909-1912)	MI	6-3-1888	5-1-1912	S	$65 Mo.	-----	No. 3 when Coast Guard took over
DONALDSON, Robert	No. 6	-----	Fishing, Carpenter Temporary Surfman, Sleeping Bear Point, March-June 1913	MI	4-5-188[?]	6-5-1913	S	$65 Mo.	3-31-1914	-----
KARSTENS, John	No. 7 (1913-1914)	-----	Surfman, Grande Point au Sable 1900-1914; St. Joseph 1907-1911	GER	12-25-1871	8-20-1913	M	$65 Mo.	3-1-1914	Transferred to St. Joseph Life-Saving Station

NAME	POSITION	P.O. ADD.	PREV. OCC.	BORN	BIRTH DATE	APPOINTED	STATUS	SALARY	DATE LEFT	REASON
ADAMS, Garret	No. 5 (1914-1915)	-----	Surfman, Milwaukee Life-Saving Station 1913-1914; Navy 1906-1909	MI	1-14-1886	6-18-1914	M	$65 Mo.	-----	No. 5 when Coast Guard took over
BRAMMER, Benhart E.	No. 5, No. 4 (1914-1915)	-----	Surfman, Michigan City 1912-1914; expert in operation of motorboats and repair of gasoline engines	MI	9-12-1889	4-2-1914	S	$65 Mo.	-----	No. 4 when Coast Guard took over
GERNDT, John D.	No. 7 (1914-1915)	Empire, MI	Driving team, some experience with motorboats and gasoline engines	USA	12-12-1896	9-1-1914	S	$65 Mo.	-----	No. 7 when Coast Guard took over
KITTLESON, Stollie	No. 6 (1914-1915)	Frankfort, MI	Fishing	NORW	10-15-1895	6-20-1914	M	$65 Mo.	-----	No. 6 when Coast Guard took over

II. EVIDENCE OF ORIGINAL FURNISHINGS

Introduction

Furnishings for the station dwelling and the Boathouse are well documented for the historic period of interpretation, 1901-1915. The original "List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station," cites all furnishings, equipment, and tools authorized for the station at the time of its opening.[1] Most of these items came from the Life-Saving Service storehouses at Grand Haven and New York. The two surfboats came from the Monmouth Beach Boat Storage House. A few major items such as clocks, keeper's desk, stoves, and window shades for the house were bought on contract through the Life-Saving Service Superintendent of Construction.

For easier reference, the "List of Articles of Outfit" has been divided into probable room-by-room station furnishings and Boathouse furnishings. The original list prepared by the Life-Saving Service was not described room-by-room but rather by type of equipment. All items on the original list with the exception of the tools have been included either in the Station House Section or the Boathouse Section. Appendix III contains a facsimile copy of the "List of Articles of Outfit" as well as an original addendum. The addendum was not included in the copy reproduced in The Historic Structure Report.[2]

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1. U.S. Life-Saving Service, "List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station," Twelfth District, Letters Received 77665, Record Group 26, The National Archives, (hereafter cited as NA), Washington, D.C.

2. Cornelia Wyma and John Albright, Historic Structure Report, Glen Haven Coast Guard Station: Architectural and Historic Data (Denver, Colorado: The National Park Service, 1977), Appendix A.

Supplies received at Sleeping Bear Point were recorded in daily Log Books.[3] Each spring, a large shipment of supplies was sent to the station. New equipment appears to have been sent at that time. Surprisingly few furnishings were added over the years. Even after the Coast Guard took over the Life-Saving Service, stations generally received only such household supplies as mops, soap, and bed linens. The small number of new furnishing items required by the stations suggests that the equipment was well maintained and did not often need to be replaced.

Other official Life-Saving Service documents such as "Specifications and Drawings for Life-Saving Stations at Sleeping Bear Point and South Manitou, Michigan 1901," "U.S. Life-Saving Service Letters Received and Sent," "U.S. Life-Saving Service Journals," and the "Record of Boats at Life-Saving Stations" provide additional information about the Sleeping Bear Point Station.[4] A number of photographs taken during the Life-Saving Service period at Sleeping Bear Point show the Boathouse and the crew's uniforms. The originals of these photographs are located in park files. Ten have been included in this report as Figures 1 to 10, pp. 65-96.

Notes taken during a June 2, 1982 interview with Cliff Deering and a 1983 interview with Willard Smith have been added to this study because the notes contain information on the placement of furnishings. Mr. Deering was a Coast Guard Surfman during the 1920s and early

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3. See U.S. Life-Saving Service, Log Books 1902-1915, Sleeping Bear Point Station, RG26, Washington National Records Center (hereafter cited as WNRC), Washington, D.C.

4. These documents are all located in Record Group 26, The National Archives.

1930s. Mr. Smith grew up at Sleeping Bear Point where his father was stationed and later joined the Coast Guard himself. Since there was very little change in furnishings and equipment after the Coast Guard took over, it seems likely the location of furnishings also remained the same.

Station House Furnishings

The report concentrates on the Crew's Quarters; however, other furnishings mentioned in the original "List of Articles of Outfit" have been included when necessary.

Crew's Quarters

Introduction:

The architectural drawings for the Sleeping Bear Point Station House are the same as those used in the station at Marquette, Michigan except for one change:[5] on the second floor for Sleeping Bear Point, the designation "Locker Room" is crossed out and "Crew's Quarters" has been substituted. A first floor room also designated as the "Crew's Quarters" does not have the designation crossed out. It is not clear from the plans whether there were two rooms which originally served as Crew's Quarters or only the one upstairs room. However, oral history sources from the Coast Guard operation of the station state that only the second floor room was used as the Crew's Quarters, and the first floor rear east room was used as the mess room with the front east room used as a lounging area.

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5. U.S. Life-Saving Service, Specifications and Drawings for Life-Saving Stations at Sleeping Bear Point and South Manitou, Michigan, 1901, Letters Received 74206, RG26, NA, reproduced in Wyma and Albright, Historic Structure Report.

Most Life-Saving stations had only one room which served as the Crew's Quarters. Sumner Kimball, General Superintendent of the Life-Saving Service, described in his book, The Organization and Methods of the United States Life-Saving Service (Washington: Government Printing Office, 1912) the usual floor plans for Life-Saving stations:

> In the majority of stations the first floor is divided into four rooms - a boat room, a mess room (also serving for a sitting room for the men), a keeper's room, and a storeroom . . . The second story contains two rooms - one is the sleeping room of the men; the other has spare cots for rescued people and is also used for storage. The more commodious stations have two additional rooms - a spare room and a kitchen.[6]

The same room dispositions, remembered by the Coast Guard surfmen, were probably used by the Life-Saving Service.

The documentary references to furnishings in the Crew's Quarters are organized by source beginning with the "Specifications and Drawings for Life-Saving Stations at Sleeping Bear Point and South Manitou" and concluding with a room-by-room breakdown of the "List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station."

Architectural Specifications:

Shelving and hooks for the Crew's Quarters was mentioned in the U.S. Life-Saving Service, Specifications and Drawings for Life-Saving Stations at Sleeping Bear Point and South Manitou, Michigan, 1901, Letters Received 74206, Record Group 26, National Archives, Washington, D.C.

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6. Sumner I. Kimball. The Organization and Methods of the United States Life-Saving Service (Washington: Government Printing Office, 1912), p. 9.

> Base, etc. - . . . The kitchen, crew's quarters, and storm porch will be provided with 4-inch strips each, with beaded edges 6 feet from the floor, into which a dozen japanned-iron hooks will be screwed.
>
> Shelves, etc. - The closets, pantry, and locker-room to have white pine shelving, and hook-strips, with 10 dozen of japanned hooks of suitable size. Keeper's room, crew's quarters, and mess-room to have plain mantel-pieces, of white pine 2 inches thick, resting on two brackets each neatly sawed out of a 2-inch plank.

Because of the discrepancy in the original plans about the room designations, it is not clear which room designated as the Crew's Quarters was to receive the wood strips with japanned hooks and the mantelpieces. Physical evidence indicates hooks around the walls in the second floor east room; but there is no evidence of a mantelpiece in the second floor Crew's Quarters. The closets in the second floor east room show evidence of shelving and many have their original hook strips. The original numbers are also still located above each closet door in the Crew's Quarters.

The drawings which accompanied these specifications showed the placement of the beds in the first floor Crew's Quarters, at right angles to the walls, lined up around the room. Presumably a similar arrangement would have been used on the second floor, perhaps with a bed in between each closet.

Furnishings Records from Log Books:

Sleeping Bear Point Station Log Book entries from 1902-1915, Record Group 26, Washington National Records Center, Washington, D.C. mention furnishings used in the Crew's Quarters. The furnishing references listed below are arranged in chronological order and have been

edited to include only those furnishings which might have been used in the Crew's Quarters. The complete Log Book entries cited below have been included in Appendix I to show the full range of supplies periodically received at Sleeping Bear Point. Examples of cleaning equipment which the crew might have used in the Crew's Quarters have also been included in this sampling.

October 2, 1902[7]: Received . . . 2 clocks banner [?] lever . . . 22 window shades . . .

May 9, 1905: Received 8 bedspreads. White. 1 pitcher. Water. 10 gals. Toweling crash . . . 1 dozen chimneys. Band H. lamp . . . 80 lbs. soap fresh water . . . 4 window shades . . .

April 30, 1906: Received . . . 12 yds. toweling, 2 dust pans . . . 1 dozen Bank H. lamp wicks. 1 dust brush . . . 6 brushes scrubbing. 1 brush stove . . . 6 mop cotton . . . 10 cakes Bells Star cleaner . . . 6 cakes polish stove Dixon . . .

May 11, 1907: Received 8 pillowcases. White. 6 brooms corn . . . 1 burner No. 1 6 burners. No. 2. 12 chimneys No. 2 B&H. 6 chimneys. No. 1 pearl. 6 chimneys. No. 2. pearl top. 6 lampwicks for B and H. 1 lb. lampblack . . .

May 4, 1909: Received 6 brooms. 2 brushes dust. 2 brushes stove. 6 brushes scrubbing . . . 6 mops cotton. 1 mop stick. 1 pail fiber. 2 pails iron. 2 pans dust . . . 80 lbs. soap. 1 doz. chimney lamp, No. 2 B. & H. 6 lampwicks. B. & H. No. 2 . . .

April 8, 1910: Received . . . 1 lamp filler . . .

April 27, 1910: Received . . . 15 yds. toweling. 1 doz. chimney No. 2 B. & H. 6 lampwicks, No. 2 B. & H. . . .

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7. Complete Log Book entries are located in Appendix I.

May 3, 1911: Received 6 chairs, 8 pillowcases . . . 6 lamp chimneys, 1 hand lamp . . .

May 25, 1912: Received . . . 8 pillowcases. 1 dustbrush . . . 8-day clock . . .

February 20, 1913: Received 400 ft. of white pine limber. 16 locks with keys. 32 drawer pulls. 1 gross screws and 5 lbs. finishing nails pr. four bureaus.

August 11, 1913: Crew working on bureaus . . .

August 13, 1913: Crew . . . building bureaus for crew quarters.

May 19, 1914: Crew went . . . after station supplies. 8 comfortables, 8 bedspreads, white . . . 10 yds. toweling crash. 6 chimneys #1 pearl. 6 lantern globes white . . . B & H.

Books and Reports from Log Books:

The following list contains examples of the books and reports received periodically, as noted in the Log Books. Although these items would probably have been kept in the Keeper's Quarters, it seems likely that they would have been available to the crew:

April 12, 1902:[8] Received . . . one annual report book of 1901.

November 10, 1902: Received one Book List of Merchant Vessels of the United States.

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8. Complete Log Book entries are located in Appendix I.

December 4, 1902: Received one International Code Book.

February 4, 1904: Received one Book of Rules and Regulations one book of list of Merchant Vessels of the United States.

July 1, 1904: Received one Book of Government Salary Tables of 1904.

February 20, 1905: Received 3 charts one of Lake Michigan. One of the passage between the islands and the mainland one of Traverse Bay.

August 4, 1904: Received one Official Register of the U.S. Life-Saving Service, 1909.

Official forms frequently mentioned in the Log Books include "Transcript of Journal" pages (Log Book pages), envelopes for "Transcript Journal," U.S. Life-Saving Service stationery and envelopes addressed to "Superintendent 12th Life-Saving District, Assistant Inspector of 12th Life-Saving District," "Inspector of 12th Life-Saving District, Articles of Engagement for Surfmen, Report of Change in Crew," and "Medical Certificates." These forms would have most likely been found in the Keeper's Quarters.

Books and Forms Noted by Letters Received:

The books and forms sent to Sleeping Bear Point were in the Letters Received 77665, Sleeping Bear Point, Record Group 26, National Archives. See Appendix IV for original letters. During the summer of 1902, Sleeping Bear Point and South Manitou received books, blanks, and circulars from the Office of the General Superintendent Life-Saving Service. The Keepers of each station ackowledged receipt of this material.

The Sleeping Bear Point Keeper mentioned only "books, blanks, and circulars, etc." in his letter; however, the Log Book entry for July 28, 1902 recorded that the station received:

> 1 International Code Book. 2 Books of Regulations. 9 Books of Instructions to Mariners in Case of Shipwreck. 7 Books of Directions for Restoring the Apparently Drowned. 1 Book Official Register. 2 Circular of Quarantine Regulations. 10 Circular of Quarantine Regulations. 10 circular relative to boating, fishing, hunting, etc. 4 circular relating to pay of surfmen. Articles of Engagement for Surfmen. 10 Medical Certificates for Keepers. 10 Reports of Change in Crew . . . [9]
> (See Appendix I for original Log Book pages.)

Oral History Interview with Cliff Deering:

The following notes on the Crew's Quarters were taken from an interview with Cliff Deering, June 2, 1982. Mr. Deering was a surfman from 1925 to 1934 under the Coast Guard at Sleeping Bear Point:

No shelving was located in the room.

The only lighting was a lantern on a small table by the door.

The room was painted a straw color.

Each man had an iron bed like the one now in the room. The beds had bedspreads and blankets rolled at the foot of each bed.

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9. U.S. Life Saving Service, July 28, 1902, Log Book, Sleeping Bear Point Life-Saving Station, RG26, WNRC.

There was no washstand. Washing took place either in the kitchen or out in the laundry room (paint house).

There were no curtains and the shades were green.

Each closet had a number over the door. Mr. Deering could not remember whether the numbers were brass or painted black. He seemed to think they were brass.

The closets contained spare sheets and blankets and each man's regulation clothing, a summer uniform: white hat, white uniform, black tie, shirt, and black shoes and socks; a winter uniform: pea coat, pullover sweater, black serge jacket and trousers, heavy and light wool socks, black and white cotton socks, a dress coat on a hanger with white cloth dust cover over it, and a swimming suit.

The closets also contained a case of wooden matches in small wooden boxes, a jack knife, and towels. All items were folded neatly on the shelves except for the dress coat which hung on the door.

A book of regulations (navigation laws, Morse Code, wig-wag) was also kept on the closet shelves.

When on patrol each man carried a leather covered clock with the face exposed. A key picked up at the post would mark it.

List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station, 1901:

The following list is from the U.S. Life-Saving Service, "List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station," Twelfth District, Letters Received 77665, Record Group 26, The Nation

al Archives, Washington, D.C. See Appendix V for copies of vouchers for items on this list which were purchased by contracts, and see Appendix III, a facsimile copy of the complete 1901 List.

Crew's Quarters

1. 10 Beds, iron, single, with best quality woven wire mattresses combined, . . .

2. 24 pairs Blankets, 8 pounds per pair, gray, per sample, per pair.

5. 10 Mattresses; stuffed with fine fiber rattan, heavy cotton tops, square edges, bound, weight 27 pounds, 6 feet 2 inches by 2 feet 6 inches, A.C.A. ticking . . .

6. 10 Mattress covers, park check, No. 90, to fit mattresses, item No. 5 . . .

7. 10 Pillows, feather, first quality, new, live geese, 20 x 30 inches, weight 3 pounds, A.C.A. ticking . . .

8. 20 Pillowcases, 23 x 35 inches, 1-inch hem, "Utica Mills." . . .

9. 20 Pillow covers, park check, No. 90, to fit pillows, item No. 7 . . .

10. 40 Sheets, brown, two yards to weigh 1 pound, 76 woof, 72 warp, 7-4, 2 1/2 yards long, hemmed and made . . .

79. 12 yds. Toweling, linen, crash, light, 18-inch, best quality, per yard.

80. 12 yds. Toweling, linen, crash, heavy, 18-inch, best quality, per yard.

179. 3 Soap dishes, hanging, galvanized, Central Stamping Co.'s, No. 100, . . .

190. 4 Spittoons, iron, porcelain lined, loaded, 8 1/2 x 6 inches . . .

204. 4 Washbowls, IXXX, deep, tinned, flat bottom, retinned, with rings, 13 inches diameter . . .

453. 80 lbs. Soap, fresh water, good quality, no less than 2 months old, in 40 - 80 pound boxes . . .

759. 2 Clocks, banner lever, nickel plated, one-day, 8-inch dial, time, U.S.L.S.S. in black letters, 3/8-inch on dial . . . (See Appendix V for original vouchers.)

Miscellaneous section of list not numbered:

Window shades (See Appendix V for original vouchers.)
4 3' 8" by 1' 11" wide
4 4' 2" by 2' 7" wide.

Captain's Quarters (See Appendix V for original vouchers.)

Miscellaneous section of list not numbered:

1 Chair, revolving, wood seat, golden elm, with casters, 8311-2XY, or equal, packed ready for shipment.

1 Desk, quartered white oak, panels, roll-top, 48 to 54 inches long, 30 to 33 inches deep, 45 to 49 inches high, 10 or more pigeon holes, 4 or more divisions

or 2 or more drawers for letter or cap paper, 3 or more drawers in left pedestal, with 2 perpendicular uprights and 2 shelves on top in right pedestal, high grade lock on curtain and door, duplicate keys; mounted on large plate casters, and securely packed . . .

Kitchen and Mess Room Furnishings

57. 2 Bowls, mixing, yellow, 6-quart . . .

58. 2 Bowls, sugar, without handles, with covers, best ironstone china . . .

59. 2 sets Cups, coffee, without handles, with saucers, best ironstone china (set to consist of 6 cups and 6 saucers) . . .

61. 2 Dishes, baking, yellow, 10-inch . . .

62. 2 Dishes, butter, with covers and drainers, best ironstone china, 5-inch . . .

63. 4 Dishes, vegetable, 10-inch, with covers, best ironstone china . . .

64. 1 Jugs, stone, 1-gallon . . .

65. 1 Jugs, stone, 2-gallon . . .

66. 1 Jugs, stone, 3-gallon . . .

67. 2 Pitchers, milk, 1-quart, best ironstone china . . .

68. 2 Pitchers, molasses, 1-pint heavy glass, white metal covers . . .

69. 2 Pitchers, water, best ironstone china . . .

70. 1 1/2 doz. Plates, dinner, 10-inch, best ironstone china, . . .

71. 1 doz. Plates, soup, 10-inch, best ironstone china, . . .

72. 2 Platters, meat, oval, 14-inch, best ironstone china, . . .

73. 2 Saltcellars, pressed glass, plain, heavy, largest size . . .

74. 1 doz. Tumblers, table, pressed glass, plain, extra heavy, largest size . . .

75. 12 Chairs, office, hard wood, back of bent wood in one piece, with five upright rungs, one 1/4-inch iron rod with head and nut, on each side through seat and side rungs, . . . [Some probably for Crew's Mess Room]

76. 1 Tables, extension, 3 1/2 x 10 feet, solid oak round, drop leaves, iron brackets, iron hinges, five legs fastened to frame with bolts, nuts, and washers, and iron clasps on underside of tops to fasten tables when closed, brass casters, set up single, tops burlaped . . . [Probably Crew's Mess Room]

77. 2 Tablecloths, turkey, "Toilenette," with variegated stripes, 67 inches x 3 yards, ends hemmed, . . . [Crew's Mess Room]

78. 2 Table covers, oilcloth, white marble pattern, 1 1/4 x 4 yards, each rolled on 1 1/2-inch roll of 46 inches long . . .

88. 1 Coffee mills, side, Parker's No. 400 . . .

95. 1 Flour sieves, seamless, tin rim, 12 3/8 inches diameter, No. 18 mesh . . .

96. 1 Forks, carving, rubber handles, with bolsters, Russell's or Northampton Cutlery Co.'s . . .

98. 1 Funnels, corrugated, 1-quart, 4 X tin . . .

99. 1 Funnels, corrugated, 1-quart, 4 X tin, with brass wire-cloth strainers . . .

114. 2 sets Knives and forks, dinner, best shear steel, rubber handles, with metal bolsters, Russell's, Northampton Cutlery Co.'s or L. & G. (set to consist of 6 knives and 6 forks) . . .

115. 2 Knives, butcher, best shear steel, 7 inch blade, cocoa or beech handles, with metal bolsters, Russell's Northampton Cutlery Co.'s, or L. & G. . . .

116. 1 Knives, carving, best shear steel, 12 inch blade, rubber handles, with metal bolsters, Russell's, Northampton Cutlery Co.'s, or L. & G. . . .

117. 1 Knives, mincing, best cast steel, single blade, polished, No. 1, plain handle . . .

118. 1 Knives, putty, 6-inch square, elastic riveted handles . . .

119. 2 Match safes, iron, japanned, large, self closing, . . .

120. 1 Measures, lipped, 4 X tin, gallon . . .

121. 1 Measures, lipped, 4 X tin, quart graduated measure . . .

154. 2 Pans, dust, japanned, best heavy tin, ordinary house size, hay covered, steel edge . . .

158. 2 Pepper boxes, planished 2 1/4 x 3 1/2 inches . . .

179. 3 Soap dishes, hanging, galvanized, Central Stamping Co.'s, No. 100, 4 3/8 inches . . .

190. 4 Spittoons, iron, porcelain lined, loaded, 8 1/2 x 6 inches . . .

191. 2 Spoons, bread, forged iron, tinned, 18-inch . . .

192. 1 doz. Spoons, table, pure white German silver, not less than 18 percent nickel, perfectly plain in style, highly polished and finished, and shall measure 8 1/16 inches, and weigh 20 ounces avoirdupois to the dozen . . .

193. 1 doz. Spoons, tea, pure white German silver, not less than 18 percent nickel, perfectly plain in style, highly polished and finished, and shall measure 5 11/46 inches, and weigh 9 5/32 ounces avoirdupois to the dozen . . .

204. 4 Washbowls, IXXX, deep, tinned, flat bottom, retinned, with rings, 13 inches diameter . . .

478. Ash Sifters, "Rival," wood, galvanized wire, for barrels . . .

479. Boilers, 8 quart, cast iron, round, tinned inside, with covers . . .

482. Boilers, wash, with covers, 4 X tin, oval, range, drop iron handles, flat copper bottoms, 24 inches long, 15 inches wide, and at least 13 inches high.

483. Broilers, wire, retinned, reversible, 13 wires, riveted, 10 x 9 inches . . .

484. Cake turners, stamped, threaded handles, retinned 4 1/2 x 3 1/4 inches . . .

535. 3 Collars, tin, for 6-inch stovepipe . . .

536. 12 Cups, best heavy tins stamped retinned, flaring pattern; pint, 4 3/4 x 2 1/8 inches.

539. 3 Dampers, cast iron, for 6 inch stovepipe . . .

540. 2 Dippers, cup, stamped, retinned, 5 x 2 1/2 inches, flaring, flat handles . . .

545. 8 Pounds Elbows, stovepipe, No. 11 Russia iron, 90°, 6 inch, 4 pieces (about one pound each) . . .

567. 1 Griddles, oblong or round, bailed or handled, 16 inch . . .

571. 1 Kettles, tea, iron, galvanized, 8 inches, pit bottom . . .

573. 1 Ladles, deep, solid, tinned, iron, retinned, 3 1/4 inches, 14 inch flat handles with hooks . . .

575. 2 Pans, bake, round, wrought iron, polished, 2 quarts, 8 1/4 X 2 1/4 inches . . .

576. 1 Pans, bake, round, wrought iron, polished, 4 quarts, 10 3/4 x 2 5/8 inches . . .

578. 1 Pans, bake, oblong, for bread

580. 1 Pans, bread raisers, stamped, retinned, with ventilated covers, 17 quart, 18 1/2 x 6 1/4 inches . . .

581. 1 Pans, cake, round, stamped, retinned, shallow, tubed, 8 1/4 inches diameter, 2 1/4 inches deep . . .

582. 1 Pans, cake, round, stamped, retinned, deep, tubed, 11 1/2 inches diameter, 3 3/4 inches deep . . .

584. 2 Pans, dish, round, best heavy tin, stamped, retinned, with handles, 17 quarts, 18 x 6 inches . . .

585. 1 Pans, dripping, smooth iron, best charcoal, 10 x 15 inches, weight per dozen 19 pounds . . .

586. 1 Pans, dripping, smooth iron, best charcoal, 12 x 20 inches, weight . . .

587. 1 Pans, fry, wrought iron, polished, lipped, 10 x 2 inches . . .

588. 1 Pans, fry, wrought iron, polished, lipped, 14 1/8 x 2 1/4 inches . . .

591. 1 Pans, mixing, stamped, retinned, round bottom, 10 quart, 15 1/4 x 5 1/2 inches . . .

592. 1 Pans, pudding, tin, stamped, retinned, beaded edge, extra deep, 6 quart . . .

593. 1 Pans, pudding, tin, stamped, retinned, beaded edge, extra deep, 10 quart . . .

594. 1 Pans, roast, iron, seamless, 11 x 16 inches, handled . . .

596. 1 Pans, sauce, cast iron, inside enameled, with covers, 6 quart . . .

597. 1 Pans, stew, tin, stamped, retinned, deep 6 quart, 11 1/2 x 3 3/4 inches . . .

603. 60 lbs Pipe stove No. 11 Russia iron, 6 inches, in 2 foot lengths . . .

605. 1 dozen Plates, pie, tin, 10 inch, stamped, 1 1/4 inches deep . . .

606. 3 Pokers, stove, 26 inch, 1/2 inch iron, with rings and hooks . . .

607. 1 Pots, coffee, 3 gallon, 4 x tin, flat copper bottoms, handled, bail handles . . .

608. 1 Pots, coffee, 3 gallon, 4x tin, flat copper bottoms, handled, bail handles . . .

609. 1 Pots, tea, 2 gallon, 4x tin, flat copper bottoms, handled, bail handles . . .

610. 1 Pots, tea, 1 gallon, 4x tin, flat copper bottoms, handled, bail handles . . .

612. 3 Shovels, stove, wrought iron, japanned, "U.S." No. 65, 5 x 8 1/2 x 23 inches . . .

613. 1 Steamers, 1xxx tin, raised cover in one piece, new style, 6 inches . . .

614. 1 Steamers, 1xxx tin, raised cover in one piece, new style, 9 inch . . .

615. 1 dozen Stove polish, Dixon's "Rising Sun," or Phoenix," per dozen papers . . .

616. 1 Stove cover lifters, cast iron, japanned, 10 inch . . .

629. Stoves, cooking, "Prize Jewel" range, Style B, No. 8718, wood as required, single oven, reservoir, T-shelf, with furniture complete, including 1 wash boiler, 1 iron pot and cover, 1 iron kettle and cover, 1 teakettle, 2 bake pans, 1 wire broiler, 1 tin dipper, iron spider, 1 griddle, 1 poker, 1 shovel, 2 bread pans, 1 collar joint, 6 inch, No. 18 galvanized iron, to connect with 6 inch galvanized iron stove pipe . . . 28.00

[See Appendix V for original vouchers.]

651. 2 Stoves, heating, 1891, "Oak Jewel" No. 618 Chard coal, with 1 collar joint, 6 inch, No. 18 galvanized iron, to connect with 6 inch galvanized iron stove pipe . . . 33.00
[See Appendix V for original vouchers.]

656. 28 lbs. Zinc, sheet, 9 gauge (Size 36 x 42 inches, average weight about 7 pounds. Size 26 x 84 inches, average weight about 14 pounds) . . .

657. 2 Zinc boards, No. 9 zinc, square, 36 x 36 inches (for heating stove) . . .

658. 1 Zinc boards, No. 9 zinc, oblong, 32 x 43 inches (for cooking stoves) . . .

From Miscellaneous pages:

1 Table, kitchen, hard wood, 27 by 42 inches, with drawer, packed ready for shipment . . .
[See Appendix V for original vouchers.]

Boathouse Furnishings

Introduction:

The documentary evidence for the Boathouse furnishings has been organized for this plan by source beginning with the Life-Saving Service's "Record of Boats 1900-1912" and concluding with a detailed list taken from the "List of Articles of Outfit for the Sleeping Bear Point Life- Saving Station." All tools issued for the station are not included in this section because it is likely that most of them were stored in the workshop and only used in the Boathouse as needed.

Boats:

The United States Life-Saving Service's "Record of Boats at Life-Saving Stations" 1900-1902 lists three boats at Sleeping Bear Point. These boats were the ones authorized for the station the year of its opening. The first one listed was a lifeboat.

Model:	Life, Self R. & Self B.
Name and address of builder:	Frank J. Smith Port Huron, Michigan
Year built:	1901
Placed in station:	1902
Materials of which constructed:	Oak, ash, mahogany, cedar, pine locust, gun metal, copper, composition
Keel Bottomed Clinker	
Length overall:	34'
Greatest breadth:	8'
Width of stem (if square):	Sharp
Depth amidships:	3' 6"
Sheer of bottom:	Straight
No. of thwarts:	5
Bunked:	Double
Air cases, side or end:	Both and under deck
Sails:	2 Sprit, 1 jib
Remarks:	Built under contract approved Dec. 8, 1900. Cost $2,623. Sent here from Grand Haven Storage by authority of April 29, 1902.

In 1902, this 34-foot, self-righting and self-bailing lifeboat was listed in the original "List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station" as well as "Record of Boats of Life-Saving Stations." However, later records indicate that this boat was never delivered to Sleeping Bear Point.

According to a letter from the General Superintendent (to the Superintendents of Construction), written April 29, 1902, the lifeboat was sent to Grand Haven to be stored until a larger Boathouse could be built.[10] By the time the Boathouse was ready the 12th District Assistant Inspector urged that a new Beebe-McLellan surfboat be sent to Sleeping Bear Point instead of the lifeboat.[11] He wrote to the Inspector of Life-Saving Stations in New York, August 30, 1906 stating that a lifeboat ". . .is not needed at the Sleeping Bear Point Station, nor would it in my judgment be practicable to operate one there."[12] The Log Books from 1902 to 1915 do not mention a lifeboat ever being used, painted or repaired; although there is frequent mention of the surfboats.[13]

Beebe-McLellan Surfboat

The second boat listed in the "Record of Boats" was a Beebe-McLellan surfboat:

Model:	Surf - 17 Beebe-McLellan self-bailing, water ballast

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10. To Superintendent of Construction from General Superintendent, April 29, 1902, Letters Received 77665, Sleeping Bear Point Life-Saving Station, RG26, NA.

11. To Inspector Life-Saving Stations from 12th District Assistant Inspector, August 30, 1906, Letters Received 94540, Sleeping Bear Point Life-Saving Station, RG26, NA.

12. Ibid.

13. See U.S. Life-Saving Service, Log Books 1902-1915, Sleeping Bear Point Life-Saving Station, RG26, WNRC.

Name and address of builder:	Frederick C. Beebe Greenpoint, New York
Year built: (The year the boat was placed in the station was left blank. Presumably it was the first boat listed.)	1901 the same date as the
Materials of which constructed:	Oak, cedar, copper, and galvanized fastenings.
Flat bottomed	
Clinker	
Length overall:	25' 4"
Greatest breadth:	7'
Depth amid-ships:	2' 7"
Sheer or gunwale:	1' 11"
Sheer of bottom:	5"
No. of thwarts:	4"
Bunked:	Double
Space between thwarts:	2' 9"
Space between forward thwart and platform:	2' 10"
Space between after thwart and platform:	6' 2"
Air cases side and end	
Sails:	Main, jib, and sprit
Remarks:	Built under contract approved August 29, 1900. Cost $462. Sent here from Monmouth Beach storage by authority of April 29, 1902.

In 1906 when the second Boathouse was ready, Sleeping Bear Point was apparently given a new surfboat with centerboard instead of the lifeboat for which the Boathouse had been built. The old surfboat without centerboard was to remain at the station in the old Boathouse for emergency use. The Assistant Inspector wrote on August 30, 1906 to the Inspector giving his reasons for his recommendation of a new surfboat:

> By having a new surfboat sent to Sleeping Bear Point Station and keeping the present one stored in the Boathouse near Glenhaven there would be a boat available at the latter place should the state of the sea prevent the launching of a boat from the front of the station. It would also seem advantageous to have an extra surfboat at a station like Sleeping Bear Point where there are no proper facilities for repairing a boat should it become temporarily disabled in service.[14]

On November 5, 1906, the Sleeping Bear Point Station received its new surfboat. The log recorded:

> Received one Beebe-McLellan surfboat with centerboard and outfit. 2 fenders. 1 hasp. 8 rowlock plates. 1 mast spruce. 10 oars. ash 12 ft. 2 sprits spruce. 1 30 lb. anchor folding. 1 cover sail. 2 belaying pins. brass. 2 blocks. 3 in. gun metal. 2 life lines. 18 thread 11 mast hoops. iron. 1 pin brass for hasp. 2 pump spears. 6 righting lines with floats. wood. 10 rowlocks. gun metal. 1 sail jib. 1 sail sprit. 2 sheet double. 2 shrouds. 1 snaphook for job. 2 strops rope for sprits. 24 thole pins wood. 1 withe gun metal. for mast. 1 wrench wooden for manhole cover.[15]

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14. To Inspector from Assistant Inspector, August 30, 1906, Letters Received 94540, RG26, NA.

15. U.S. Life-Saving Service November 5, 1906, Log Book, Sleeping Bear Point Life-Saving Station, RG26, WNRC.

Monomoy Surfboat

The third boat listed in the "Record of Boats" was a Monomoy surfboat:

Model:	Surf - No. 5 Monomoy
Name and address of builder:	Frederick C. Beebe Greenpoint, New York
Year built:	1898
Materials of which constructed:	Cedar and oak
Flat bottomed	
Clinker	
Length overall:	23'
Greatest breadth:	6'
Depth amidships:	2' 4"
Sheer of gunwale:	1' 4 1/2"
Sheer of bottom:	3 3/8'
Number of thwarts:	6
Bunked:	Double
Space between thwarts:	2' 6 1/2"
Space between forward thwart and platform:	3' 10"
Air cases, side or ends:	Ends
Sails:	Main and jib
Remarks:	Built under contract approved May 27, 1898. Cost $214. Sent here from Monmouth Beach storage by authority of April 29, 1902.

Power Surfboat

In 1912, Sleeping Bear Point Station acquired a power surfboat which continued to be used at Sleeeping Bear for many yers. A Log Book entry for May 24, 1912 recorded:

> Took crew to Glen Haven to get power surfboat and fittings. 8 12 ft. oars - 8 brass oarlocks. 1 rudder and tiller. 2 cork fenders. 1 pump spear. 1 manhole wrench. 1 cooper oil can, 1 gal. 1 cooper oiler. 1 pipe wrench. 1 socket wrench.

1 stillson wrench. 1 monkey wrench. 2 common wrenches. 1 pr. brass castings for shafts. 1 machine hammer. 1 sprocket chain. 1 pr. wire cutters. 2 propellers. 1 spring coil. 2 spark plugs. 1 screwdriver. 1 32 lb. folding anchor. 1 anchor cable. 1 chamois skin. 1 brass anchor light. 1 combination light. 1 copper funnel with strainer.[16]

On May 25, another Log Book entry recorded: "Received. . . one gasoline tank. one gasoline pump and pipe. . ."[17]

Launching Carriage

Life-saving equipment as noted in the Life-Saving Service's Register of Letters Sent 1901-1907, Record Group 26, The Sleeping Bear Point Life-Saving Station, The National Archives, June 22, 1906 to Superintendent, 12th District, "Transfer, by the best and cheapest means, . . . surfboat launching carriage from Frankfort to Sleeping Bear Point Station." (Letters Received 93896)

Equipment Noted in Letters Received:

Some of the vouchers and letters discussing Life-Saving Equipment for Sleeping Bear Point may be found in the U.S. Life-Saving Service's Letters Received, Sleeping Bear Point Life-Saving Station, Record Group 26, National Archives.

This material listed below duplicates but also expands upon information found in the original "List of Articles of Outfit" and the Log

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16. Ibid., May 24, 1912.

17. Ibid., May 25, 1912.

Books. A selection of these vouchers are included here and copies of the originals are in Appendix V.

April 29, 1902:

2 No. 6 Nickel Plated Underwriters Fire Extinguishers	27.00
. . .9 lbs. Bi-carbonate soda	.60
. . .24 oz. Sulphuric Acid, 66° Baume	.60
To A.G. Rowe, 280 Broadway, New York City	28.20

April 29, 1902:

. . .transporting. . .Four (4) surfboats and equipment also two (2) surfboat wagons to keepers of So. Manitou Island and Sleeping Bear Point	20.80
To James H. Mulligan, North Long Branch, N.J.	

April 29, 1902:

Freight on two (2) Life Cars. . .	27.40
One (1) Life Car for South Manitou Island Life-Saving Station	
One (1) Life Car for Sleeping Bear Point Life-Saving Station	
To The Continental Iron Works, West & Calyer Sts., Brooklyn, N.Y.	

April 29, 1902:

Freight bill for 2 Life Cars	24.40
From Pennsylvania Railroad Company	

May 15, 1902:

104 feet cork fenders	23.40
To E.L. Smith, Bayshore, N.Y.	

May 5, 1902:

Proposal from J.N. Hegeman and Co.

. . .Two (2) pairs of fenders, cork, for boats, 5 inches diameter at center, tapered to 2 1/2 inches at ends, covered with #4 cotton canvas, with fixtures complete, viz., 18 fathoms of 6 thread, steam tarred manila and a dozen composition lacing eyes, 3/8 inch eye, for each pair, length of fenders 26 feet (104 feet in all). . .

April 29, 1902:

Transporting two (2) Beebe-McLellan surfboats, with centerboard, etc. two (2) 23-foot Monomoy surfboats, with centerboard, etc., and two (2) light surfboat wagons, from Galilee, New Jersey, to Glen Haven, Michigan for the Sleeping Bear Point and South Manitou Island Life-Saving Stations, Twelfth District
. . . 243.56
To Central Railroad Company of New Jersey, Central Building, Liberty & West Streets, New York City

June 13, 1902:

To General Superintendent of the Life-Saving Service from Superintendent of Construction.
Attention is respectfully called to the fact that the sets of miniature tin signals furnished as part of outfits for Sleeping Bear Point and South Manitou. . .do not include the new signals representing letters A, E, F, I, L, O, U, X, Y, and Z, necessary for use under the new International Code of Signals. . . As the 29 sets furnished to the 12th District are sufficient only for supplying the old stations, it is recommended that the Inspector be directed to withdraw from stock two sets (10 flags to a set, with box), one set for Sleeping Bear Point Station and one set for South Manitou Island Station.

Equipment Noted in Letters Sent:

August 13, 1902:

To Superintendent of Construction
. . .One McLellan boat-wagon, with runners, to the Sleeping Bear Point and the South Manitou Island Life-Saving Stations, each, as soon as wagons are available from the lot now being manufactured by Studebaker Bros.

Boathouse Furnishings from Log Books:

The receipt of Boathouse equipment was noted in the U.S. Life-Saving Service's Log Books, 1902-1915, Sleeping Bear Point Life-Saving Station, Record Group 26, Washington National Records Center. Those notations are listed below. See Appendix I for facsimile copies of these Log Book pages.

June 9, 1902:

Receipted the following articles. . .2 hatchets broad boat. 1 hatchet claw boat. 1 barometer. 1 field gass. 3 heaving sticks. 2 keysafes. 1 life car. 4 doz. signals coston patrol. 6 signal holder coston improved. 3 tally boards No. 1. 3 tally board No. 2. One telescope. 2 time detectors. 8 keys each. and 1 Box of dials each. one International code of signals and one International code of tin one National Ensign. one Star pennant 2 combination levels 500 friction primers. 2 guns Lyles. two gun carriages. two haversacks. 2 lanyards. one powder measure 1 ounce one powder measure 2 ounce. 2 priming wires. 11 projectiles. 2 quoins. 2 rammers and sponge. 2 sponge covers. 2 vent gimlets. 2 vent punches. 2 waist belts. 2 wiping rods and worms. one Hawser cutter. 2 shot lines No. 4. 2 shot lines No. 9. 3 shot lines No. 7. 6 signal cases tin. 2 torches and staffs. 2 megaphones. 2 staffs for general service flags. 2 red flags 4 feet square. 2 flags white 4 feet square. 5 mufflers. 1 cartridge case copper. 3 faking boxes size A. 4 faking boxes size B. 1 fire extinguisher and three charges.

June 30, 1902:

Received one Beebe-McLellan surfboat and equipment consisting of 2 cork fenders. 1 hasp. 6 righting lines with wooden float. Mast spruce. 2 sprits spruce. 2 straps rope for sprits. 2 blocks single inch gun metal. 11 mast loops galvanized iron. 1 withe gun metal. Shrouds. 1 sail sprit. 1 jib halyards for sprit and jib. 1 cover for sail sheets double for both sails. 1 anchor 30 lbs. galvanized with 20 fathoms of 2 inch manilas. 2 belaying pins brass for halyards. 1 pin brass for mast hasp. 24 tholepins wood. 10 rowlocks gunmetal. 2 pump spears wrench wooden for manhole cover. and one 23 ft. Monomoy surfboat with equipment consisting of 1 mast 15 1/2 feet. 2 sprits one 14 and one 6 feet long. 11 mast hoops galvanized. 2 blocks galvanized with hook for halyards. 10 rowlocks. 1 jib. 1 mainsail and rigging for rain. and one surfboat wagon.

July 17, 1902:

Received one life belt.

September 30, 1902:
Received one writing desk and two cork fenders.

November 11, 1902:
Received one McLellan boat wagon with runners.

October 2, 1902:
Received one compass, 2 brackets, 1 medicine chest with medicines. 2 clocks. banner lever. 52 feet of fenders. 26 feet each. 4 dozen composition lacing eyes. 1 desk quartered white oak. 22 window shades. 2 flags. 2 feet square one red and one white. 1 revolving chair. 18 fathoms 6 thread steam tarred manila. 1 projectile.

April 15, 1902:
Received. . . 1 ships bell.

April 24, 1902:
Crew. . . painting letters on breeches buoy.

November 21, 1903:
Received 1 double and 1 single lignum vitae blocks brass sheaves. 4 1/2 inches.

June 17, 1904:
Crew building and completed incline or launchway.

May 9, 1905:
Received. . . 10 lbs. leather rigging. . . 1 cartridge bag. . . 1 shot line No. 7. . . 2 boxes casting for launching carriage.

July 5, 1906:
Received. . . one launching carriage, woods pattern from Frankfort L.S. Station in good order.

November 5, 1906:
Received one Beebe-McLellan self-bailing surfboat with centerboard and outfit. . . (See section on "Boats.")

March 4, 1907:
Received 4 printed instructions on cloth for tally boards on hawser and ship lines.

May 4, 1908:
Received. . . 2 patrol lanterns. . .

February 27, 1909:
Received three water lights.

June 23, 1910:
Received one calcium light three water lights, one drum of carbide all in good condition.

April 27, 1910:
Received. . . 1 doz. Coston signal. . .

April 24, 1912:
Received telescope from Assistant Inspector's Office, N.Y.

May 24, 1912:
Took crew to Glen Haven to get power surfboat and fittings. . . (See section on "Boats.")

May 25, 1912:
Received. . . one gasoline tank one gasoline pump. . . 1 megaphone 1 sand anchor pendant. 1 thermometer. 1 faking box (A), 1/2 doz. Coston signals. . .

May 19, 1914:

> Received. . . 6 chimneys #1 pearl 6 lantern globes white. . . B & H 2 lanterns patrol. . . 2 torches with staffs, 2 projectiles 1 Flag National Ensign 6 Coston signals. . .

Oral History Interviews:

The following references to the Boathouse furnishings are notes from an interview with Cliff Deering, June 2, 1982, Sleeping Bear Point, Michigan. Mr. Deering was a surfman from 1925 to 1934 at Sleeping Bear Point under the Coast Guard.

Oars, a sweep, life jackets, a spar and jib sheet were stored in the Beebe-McLellan. Life jackets were kept at the sides and under the seats of the boat. Oars were kept on either side of the boat.

Rain gear and boots were hung on the west side of the Boathouse.

An extra spar was kept along the east wall.

A boat wagon was kept up above in the rafters.

2 or 3 lanterns were kept in the Boathouse.

Ropes, extra tow lines, were stored, coiled, lashed in three places and hung on hooks.

Lanterns were kept in the paint shed.

A rope was kept coiled by the bow for pulling the carriage.

Powder and shot lines were kept in the cabinet.

Projectiles were hung on the south wall between the doors.

There were numbers above the hooks where the rain gear was stored.

Cork life jackets were stored in the rafters.

The floor was a varnished natural wood.

Faking boxes were stacked in the southeast corner.

A surfboat was kept on the east side, a power boat on the west side.

They sometimes used wooden rollers and planks to get the boats to the water.

The drill pole was to the east, 250 feet or so, towards the water.

The skipper carried a lanyard and caps [?] for the gun in a belt.

Mr. Deering thought there was a metal cabinet for the storm lanterns and flags between the legs of the tower. He also stated that these items were stored in the paint shed.

The following references are notes from an interview with Willard Smith by the Park Staff, 1983, Sleeping Bear Point, Michigan.

Willard Smith grew up at the Sleeping Bear Point Station where his father was stationed in the Coast Guard. He joined the Coast Guard himself and rose to the rank of Commandant. According to his recol-

lections the corner cupboard in the Boathouse was used (during Coast Guard years) to store the smaller articles of Life-Saving Equipment.

List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station:

The following list of Boathouse equipment is from the U.S. Life-Saving Service, "List of Articles of Outfit for the Sleeping Bear Point Life- Saving Station," Twelfth District, Letters Received 77665, Record Group 26, The National Archives. See Appendix III for a facsimile copy of this list.

Blocks & Sheaves

11. 2 blocks, breeches buoy, English pattern . . .

12. 2 blocks, double, 8-inch, inside galvanized iron, strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks . . .

13. 1 blocks, double, 10-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks . . .

14. 2 blocks, double, 8-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets . . .

15. 1 blocks, double, 10-inch inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets . . .

16. 2 blocks, galvanized iron, combination snatch, per sample . . .

17. 1 blocks, single, 8-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition, roller bushings and loose hooks . . .

18. 1 blocks, single, 10-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks . . .

19. 1 blocks, single, 8-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets . . .

20. 1 blocks, single, 10-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets . . .

21. 3 blocks, single, 6-inch, inside galvanized iron strapped, open galvanized iron sheaves, swivel eye with thimble, ash shell, 18-foot tail of 2 1/4 inch manila . . .

Cordage

33. 1 hawser bolt rope, best manila, right-hand laid, one red yarn throughout the entire length of one strand (150 fathoms each) . . .

34. 1 hawser bolt rope, best manila, right-hand laid, one red yarn throughout the entire length of one strand (235 fathoms each) . . .

37. 1 whipline bolt rope, best manila, left hand laid, one red yarn throughout the entire length of one strand (300 fathoms each) . . .

38. 2 whiplines bolt rope, best manila, left hand laid, one red yarn throughout the entire length of one strand (450 fathoms) . . .

39. 170 lbs. bolt rope, best manila, 2 1/4 inch . . .

40. 70 lbs. best manila, long fiber, smooth laid, 6-thread . . .

42. 25 lbs. best manila, long fiber, smooth laid, 12-thread . . .

43. 75 lbs. best manila, long fiber, smooth laid, 1 1/4 inch . . .

44. 50 lbs. best manila, long fiber, smooth laid, 1 1/2 inch . . .

48. 50 lbs. best manila, long fiber, smooth laid, 2 1/2 inch . . .

49. 75 lbs. best manila, long fiber, smooth laid, 3-inch . . .

52. 10 lbs. best Russian hemp, 12 thread . . .

53. 10 lbs. best Russian hemp, 15 thread . . .

54. 5 lbs. halyards, signal, No. 7, braided, Italian hemp, in coils . . .

55. 10 lbs. marline hemp (5 and 10 pound coils) . . .

Hardware

81. 2 brackets, brass, cast, 5 1/2 x 7 inches, with brass screws . . .

82. 2 brackets, iron, cast, japanned, plain, 12 x 14 inches, with screws, . . .

86. 2 coal hods, 18-inch, No. 20 galvanized iron, Iron Clad Co.'s or equal . . .

92. 6 sheets emery cloth, No. 00, Baeder, Adamson & Co.'s . . .

93. 6 sheets emery cloth, No. 1 1/2, Baeder, Adamson & Co.'s . . .

94. 6 sheets emery cloth, No. 3, Baeder, Adamson & Co.'s, . . .

109. 150 feet Hose, cotton 2 inch delivery, in 50 foot lengths, coupled with brass shank couplings and "Sherman's" brass hose bands, with iron bolt and nut "Warwick," mildew and rot proof, "safety" brand, or equally good . . .

112. 20 ft. Hose, rubber, hard, standard quality, 4-ply, 2-inch delivery, for suction . . .

122. 2 lbs. Nails, boat, copper, 1 inch . . .

123. 2 lbs. Nails, boat, copper, 1 1/2 inch . . .

125. 5 lbs. Nails, boat, galvanized, Swedish iron, 1-inch . . .

126. 5 lbs. Nails, boat, galvanized, Swedish iron, 1 1/2 inch, . . .

127. 5 lbs. Nails, boat, galvanized, Swedish iron, 3-inch, . . .

128. 5 lbs. Nails, cut, 6d . . .

131. 5 lbs. Nails, cut, 20d . . .

132. 5 lbs. Nails, cut, galvanized, 6d . . .

133. 5 lbs. Nails, cut, galvanized, 8d . . .

139. 25 lbs. Nails, wire, common, 8d . . .

140. 25 lbs. Nails, wire, common, 10d . . .

142. 50 lbs. Nails, wire, common, 20d . . .

143. 5 lbs. Nails, wrought, 6d . . .

144. 5 lbs. Nails, wrought, 8d . . .

145. 5 lbs. Nails, wrought, galvanized, 10d . . .

146. 5 lbs. Nails, wrought, galvanized, 6d . . .

147. 5 lbs. Nails, wrought, galvanized 8d . . .

151. 1 Nozzles, brass, for 2-inch discharge hose . . .

153. 3 Padlocks, brass, 3 tumbler, 3 inches long, with drop plates and duplicate keys . . .

155. 1 doz. sheets Paper, sand, Baeder, Adamson & Co.'s, No. 00, per sheet . . .

156. 1 doz. sheets Paper, sand, Baeder, Adamson & Co.'s, No. 1 1/2 . . .

157. 1 doz. sheets Paper, sand, Baeder, Adamson & Co.'s, No. 3 . . .

159. 1 Rakes, garden, 14 teeth, cast steel, 6-ft. handles, . . .

160. 1 Scale beams, No. 2, common, japanned, light, 500 pounds capacity . . .

161. 2 Doz. screw eyes, cast brass, 1/2 inch hole, 1-inch shan, . . .

162. 1 Screws, bench, beech or birch wood, 2 1/2 inch, 24 inches long . . .

165. 1/4 Gross screws, brass, flat heads, gimlet points, 5/8 inch, No. 7 . . .

166. 1/4 Gross screws, brass, flat heads, gimlet points, 1-inch, No. 10 . . .

174. 1/2 Gross screws, iron, flat heads, gimlet points, 1-inch, No. 9 . . .

176. 1/2 Gross screws, iron, flat heads, gimlet points, 1 1/2 inch, No. 13 . . .

178. 1/2 Gross screws, iron, flat heads, gimlet points, 2-inch, No. 15 . . .

180. 1 lb. Solder, best half and half . . .

182. 2 Spanners, brass, for 2-inch hose . . .

184. 1 Spring balances, improved, 24 pounds by 1/2 pound, with rings and hooks attached . . .

232. 1 Lanterns, beach, japanned, with wings and staves and 12 extra lights of glass, . . .

234. 2 Lanterns, patrol, tubular, "Dietz," No. 0, reflector, with hoods, . . .

235. 1 Oil tanks, 60 gallon capacity, No. 26 galvanized iron, with pump, front of hood to slide around, lettered U.S.L.S.S. and having a 4-piece mitered joint, round, wood bottom, let in flush with rim . . .

Paint, Oil, Etc.

254. 2 Brushes, dust, best quality, all bristles, black, 9 1/2 inch solid hard-wood blocks, . . .

255. 2 Brushes, paint, flat, leather bound, all white Russia bristles, for ordinary painting, size 4 1/2 inch each . . .

258. 1 Brushes, paint, round, No. 40, all white bristles, Clinton's extra, or Whiting's extra Russia . . .

259. 1 Brushes, paint, round, No. 50, all white bristles, Clinton's extra, or Whiting's extra Russia . . .

260. 1 Brushes, painter's dusters, No. 50, all bristles, black outside . . .

261. Brushes, sash tool, No. 2, "Atlantic," wire bound, extra French bristles . . .

262. 2 Brushes, sash tool, No. 3, "Atlantic," wire bound, extra French bristles . . .

263. 1 Brushes, varnish, 1-inch, flat, tin bound, French bristles, "Atlantic," double thick . . .

264. 1 Brushes, varnish, 2-inch, flat, tin bound, French bristles, "Atlantic," double thick . . .

265. 1 Brushes, whitewash (beads), brass bound, all white Russia bristles, Clinton's extra, width 8 inches, . . .

277. 1 Glass cutters, steel wheel . . .

285. Lead, white, in oil, strictly pure, Detroit White Lead Co.'s . . .

297. 5 gal. Oil, boiled linseed, strictly pure, in 5-gallon cans . . .

300. 3 gal. Oil, raw linseed, strictly pure, in 3 gallon cans . . .

370. 5 lb. Putty, in 5 pound tins . . .

373. 1 gal. Turpentine, best, in 1-gallon cans . . .

374. 2 gal. Turpentine, best, in 2 gallon cans . . .

Ship Chandlery

383. 1 Anchors, boat, galvanized iron, weight 35 pounds, . . .

385. 1 Anchors, boat, galvanized iron, long shank, weight 100 pounds . . .

392. 1 Anchors, boat, Dirigo patent folding, galvanized iron, weight 78 pounds . . .

394. 1 box Axle grease, 2-pound boxes, "Frazer's," "Manhattan," or "The Four Brothers" . . .

396. 6 Bath bricks . . .

397. 1/2 lb. Beeswax, pure yellow . . .

398. 2 Boat grapnels, galvanized iron, four prongs, with rings at bottoms, 10 pounds . . .

400. 4 Boat Hooks, navy, double hooks, ball points, No. 14, Newhalls's, with 9-foot staves . . .

401. 2 Boat hooks, heavy, pointed, galvanized wrought iron, 9-foot staves . . .

402. 1/2 doz. Brooms, corn, best railroad XXX, without seed, not less than 28 pounds to the dozen . . .

404. 6 Brushes, scrubbing, white tampico center, gray wings, 11-inch block, . . .

405. 2 Brushes, stove, all black bristles, very full, dauber extension, with handles, . . .

406. 2 Buckets, rubber, black, No. 2, 3-gallons, metal parts of galvanized iron . . .

410. 2 Chains, sling, close-linked, 3 feet long, 1/4 inch iron, with large link in each end . . .

412. 2 lbs. Cotton, caulking, for seams . . .

414. 1 lb. Glue, broken, Peter Cooper's, No. 1 1/4, or "Buffalo" No. 1 . . .

415. 1 Hand grapnels, galvanized, 2 1/2 pounds . . .

416. 1 Hand grapnels, galvanized, 4 pounds . . .

419. 12 lbs. Leather, rigging . . .

421. 1 Marline spikes, 12-inch . . .

422. 4 Mops, cotton, 1-pound . . .

423. 2 Mopsticks, Taylor's patent . . .

424. 1/20 a/c Needles, sail, Smith's, No. 11 . . .

425. 1/20 a/c Needles, sail, Smith's, No. 14 . . .

426. 1/20 a/c Needles, sail, Smith's, No. 16 . . .

433. 144 ft. Oars, best ash, ends of blades strapped with 14 ounce copper, 12 foot . . .

434. 156 ft. Oars, best ash, ends of blades strapped with 14 ounce copper, 13 foot . . .

439. 40 ft. Oars, sweeps, best ash, ends of blades strapped with 14-ounce yellow metal, 20-foot . . .

440. 44 ft. Oars, sweeps, best ash, ends of blades strapped with 14-ounce yellow metal, 22-foot . . .

443. 6 Pails, water, No. 22 galvanized iron, 14-quart . . .

444. 6 Pails, fire, No. 22, galvanized iron, cone bottom, 14 quart . . .

445. 2 Palms, sewing, full hide, mounted, No. 2 . . .

447. 2 lb. Paste, polishing, Universal, in 1-pound cans, . . .

448. 2 lbs. Rotten stone, lumped . . .

449. 10 lbs. Sal soda . . .

450. 10 Cakes Sapolio (3 3/4 x 2 3/8 x 1 3/8 inches . . .

451. 1 Slates, double, 9 x 13 inches, brass hinges, without panel backs, per sample . . .

452. 1 Doz. slate pencils, soapstone . . .

453. 80 lbs. Soap, fresh water, good quality, not less than 2 months old, in 40 and 80 pound boxes . . .

456. 2 lbs. sponges, large, coarse, for boat use, per sample . . .

458. 1 Tarpaulins, 10 x 10 feet, No. 6 cotton canvas, tabled, unpainted, brass eyelets 12 inches apart all around . . .

459. 1 Tarpaulins, 12 x 12 feet, No. 6 cotton canvas, tabled, unpainted, brass eyelets 12 inches apart all around . . .

461. 2 1/2 doz. Thole pins, locust, 1-inch, 10 inches long . . .

462. 1 Trays, chopping, oval, No. 4 . . .

463. 1 lb. Twine, best Andover flax, 3 ply . . .

464. 1 lb. Twine, cotton, sewing, 1/2 pound balls . . .

465. 5 lbs. Waste, cotton, machinery, white, picked, No. 1, . . .

467. 2 Wheelbarrows, canal or railroad, bolted, per sample . . .

Tools

[Since most of these tools were probably stored in the workshop, they are not listed here. See Appendix III a facsimile list of the Articles of Outfit.]

706. 1 Handles, for boat hatchets, extra hickory, all white, polished . . .

709. 2 Hatchets, ax pattern (boat), 3 3/4 inch cut, handled, Collins & Co.'s, No. 2 . . .

710. 2 Hatchets, broad (boat), 4 1/2 inch cut, handled, Beatty's No. 2 . . .

711. 1 Hatchets, claw (boat), 4-inch cut, handled, Beatty's, No. 3 . . .

712. 1 Hatchets, claw (boat), 4 1/4 inch cut, handled, Collins & Co.'s, No. 3 . . .

713. 1 Knives, drawing, extra quality, cast steel, 8-inch cut, handles ferruled and capped, Douglass Manufacturing Co.'s . . .

Miscellaneous

659. 1 Augers, carpenter, best steel, 1/8 - inch, handled, with nut, Russell Jennings's or Pugh's . . .

750. 1 Vises, carpenter's parallel, 4-inch jaw, Parker's 22 x or "Trenton" No. 4 . . .

752. 1 Barometers, life buoy, aneroid, porcelain dials, square oak frames . . .

753. 2 Boat drags, canvas, . . .

754. 2 Breeches buoys, with slings, complete . . .

755. 1/10 M Cartridge bags, red, . . .

756. 1/10 M Cartridge bags, white . . .

759. 2 Clocks, banner lever, nickel plated, one-day, 8-inch dial, time, U.S.L.S.S., in black letters, 3/8 inch on dial . . .$6.46

762. 1 Compasses, liquid, boat, with lacquered copper improved binnacles, complete, 5 7/8 x 5 7/8 x 9 1/4 inches, . . .

763. 2 Crutches, . . .

765. 52 ft. Fenders, cork, for boats 5 inches diameter at center, tapered on 2 1/2 inches at end, covered with No. 4 cotton canvas, with fixtures complete, viz., 18 fathoms 6 thread steam tarred manila, and 4 dozen composition lacing eyes, 3/8 inch eye, lengths as required . . .$11.70

766. 2 yds. Flannel, red, all wool, 27 inches wide . . .

767. 1 Flasks, powder heavy copper, 16-ounce capacity, screw tops, outside springs, . . .

769. 1 Glasses, binocular, 26" field glass, short body, oxidized slides, movable shades, heavy sole leather covers, with strap for hanging; "U.S.L.S.S." to be engraved upon slides and stamped or gilded upon the inner side of case covers, . . .

770. 1 Handcarts, beach apparatus, . . .

771. 3 Heaving sticks, . . .

772. 2 Key safes, iron, "Abbey" pattern, with two keys, . . .

777. 15 Life belts, cork, "Abbey" pattern, size 38 inches, . . .

778. 20 Life belts, cork, "Abbey" pattern, size 40 inches, . . .

779. 10 Life belts, cork, "Abbey" pattern, size 44 inches, . . .

781. 1 Life car . . .

782. 10 lbs. Powder, Hazard's (L.S.S. Standard), 10 pound packages . . .

785. 1 Pumps, Gould's, "Challenge," No. 12, horizontal, double acting, 5 inch cylinder, with fore and aft brakes, complete (2-inch suction and 2-inch discharge . . .

787. 1 Reels, double, for hand carts, . . .

788. 2 Sand anchors, . . .

789. 2 Sand anchor pendants, . . .

790. 4 doz. signals, patrol . . .

791. 6 Signal holders, "Coston," improved . . .

792. 1 Speaking trumpets, brass, 14-inch, marked "U.S.L.S.S." . . .

793. 3 Tally boards, No. 1, . . .

794. 3 Tally boards, No. 2, . . .

796. 1 Telescopes, brass, calf-covered body, diameter of object lens 2 1/8 - inch, "U.S.L.S.S." engraved upon slides, . . .

797. 2 Thermometers, copper case, . . .

798. 2 Time detectors, Imhauser's watchman's latest improved, with safety lock attachment, leather cases, 8 keys, 1 box dials (370 to box), complete, . . .

Miscellaneous section of list not numbered:

Lifeboats

1 Lifeboat, 34 feet, self-righting and self-bailing, with centerboard, mast and sails.

Surfboats

1 Beebe-McLellan, 25 feet 4 inches, self-bailing, water-ballast, with centerboard, mast and sail.

1 Monomoy, 23 feet, centerboard, mast and sail.

1 Cartridge case, copper.

3 Faking Boxes, size "A."

4 Faking Boxes, size "B."

1 Fire Extinguisher, "The Underwriter's" No. 5, nickel plated with 3 charges of chemicals for same, viz: 4 1/2 pounds bi-carbonate of soda. 12 fluid ounces commercial sulphuric acid (66° Baume) . . .

Flags

1 Set International Code of Signals (20 flags, 2 burgees and 6 pennants).

1 Set International Code of Signals, tin, (19 flags, 2 burgees and 6 pennants).

1 National Ensign, 12 by 6 1/3 feet.

1 Star Pennant, 14 feet 8 inches long by 5 feet wide.

1 Red, for signaling, 2 feet 9 inches by 2 feet 6 inches wide.

1 White, for signaling, 2 feet 9 inches by 2 feet 6 inches wide.

Wood

Cords, dry, mixed, per cord. deliv'd at the station.

2 Red flags, 4 ft. square.

2 White flags, 4 ft. square.

500 Friction Primers.

2 Guns, "Lyle."

2 Gun-Carriages.

2 Haversacks.

2 Lanyards.

1 Powder-Measure, 1 ounce.

1 Powder-Measure, 2 ounces.

2 Priming Wires.

12 Projectiles.

2 Quoins.

2 Rammers and Sponges.

2 Sponge Cover.

2 Vent Gimlets.

2 Vent Punches.

2 Waist Belts.

2 Wiping Rods and Worms.

1 Hawser Cutter.

2 Key-posts for Key safe. To be of chestnut, Georgia pine or oak, and to be not less than 10 inches square, and at least 9 feet long, dressed.

1 bbl. Oil, mineral, about 51 gallons, water white, fire test not less than 150° Fahrenheit, flash test not less than 125° Fahrenheit, safe, superior quality, in strong, tight, well-made, iron hooped cask, bearing stamp of properly authorized inspecting officer.

Shot-Lines

2 Number 4.

7 Number 7.

2 Number 9.

6 Signal Cases, tin.

2 Torches and Staffs.

1 Wagon, boat, "McLellan," "Suspended for the present."

1 Wagon, surfboat, light.

2 Megaphones.

2 Staffs for use with general service code flag.

Historic Photographs:

Figures 1-10 are photographs taken at the Sleeping Bear Point Life-Saving Station during the historic period of interpretation. The originals of all the figures are located in the Sleeping Bear Dunes National Lakeshore Park files unless otherwise noted in the captions.

Figures 11-15 are interior views of Boathouses and Crew's Quarters at other Life-Saving Stations. Since Life-Saving Equipment and its arrangement was standardized, interior views from other stations are an important source for the location of artifacts not seen in the historic views of the Sleeping Bear Point station.

Figure 16 is a photograph of an actual window shade sample located in the Sleeping Bear Point files at the National Archives in Washington, D.C.

Figure 1. Charles Robinson and the crew, ca. 1902-1903. This photograph clearly illustrates the regular surfman uniform.

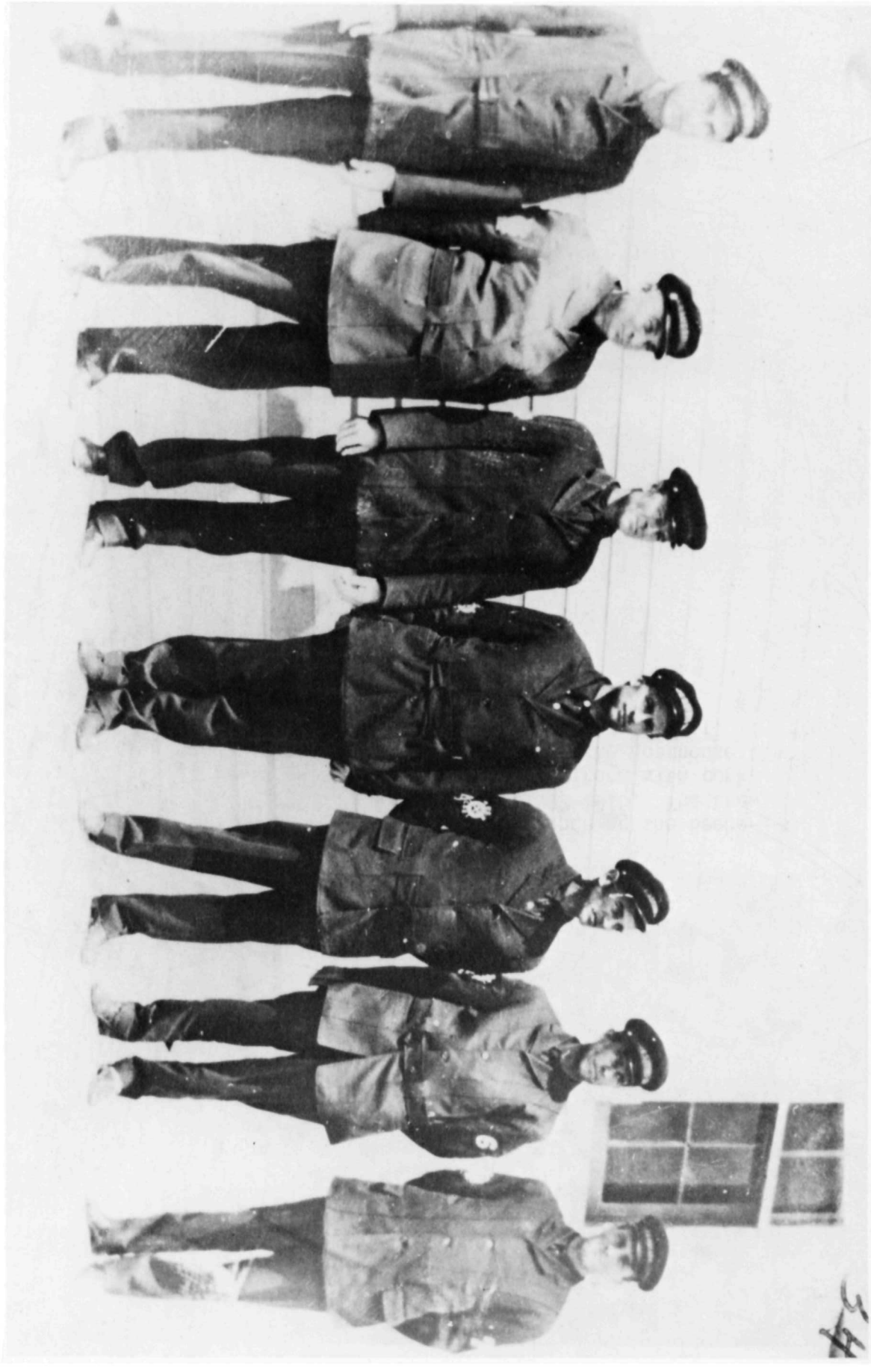


Figure 2. Keeper Walker and crew launching the Beebe-McLellan surfboat, ca. 1902-1910. The crew is dressed in the summer uniform with cork life-jackets. A portion of the Boathouse can be seen showing an oar rack and a shelf.

USLSS

Figure 3. Life-Saving Service crew in swimsuits.

LSS

Figure 4. Keeper William Walker and crew posing in the Beebe-McLellan surfboat on the launching carriage, ca. 1902-1910.


SLEEPING BEAR POINT

Figure 5. Charles Robinson posing with Lyle gun, breeches buoy, and speaking trumpet, ca. 1902-1910. The southeast corner of the Boathouse can be seen showing an anchor hanging on the wall and a shelf.

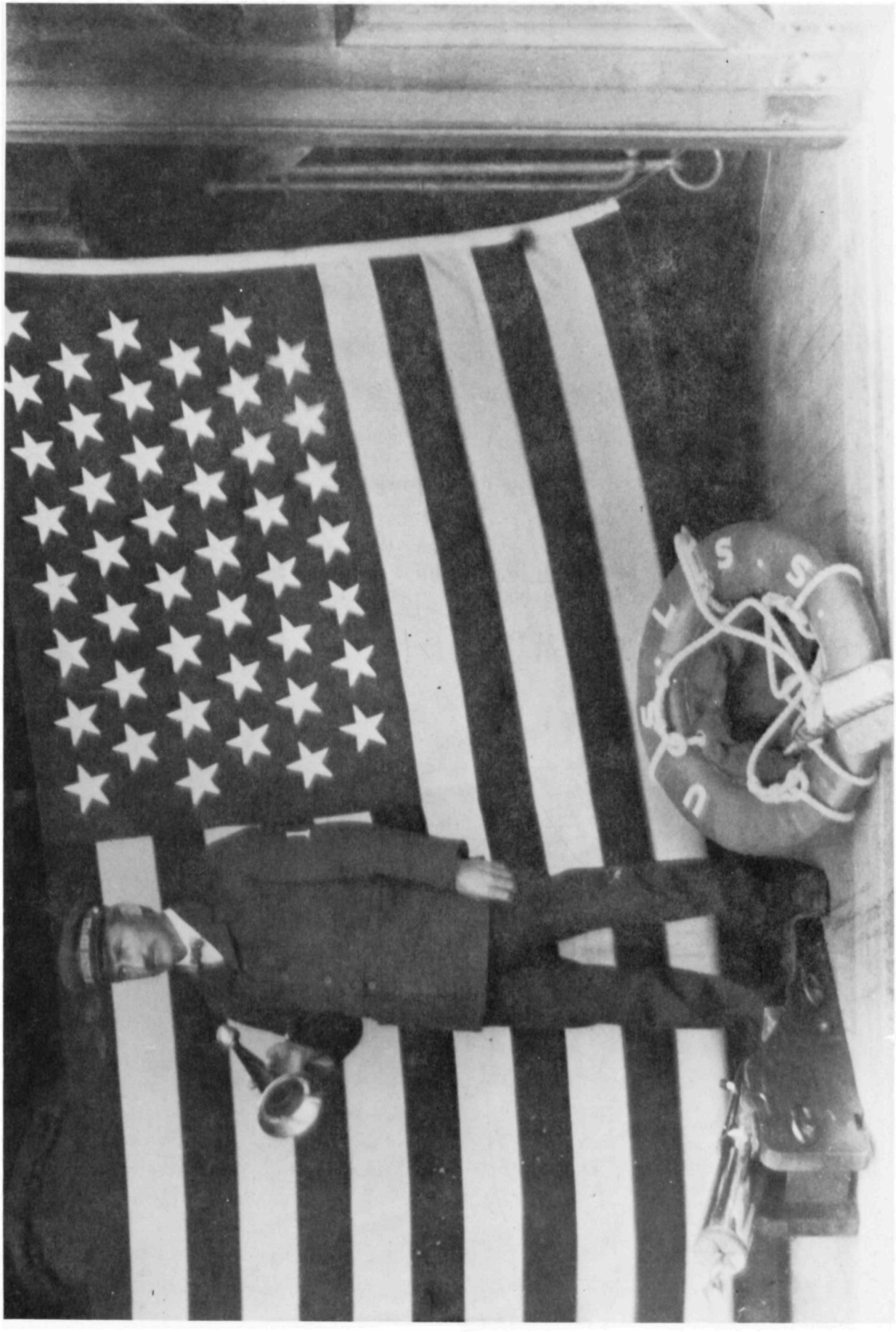


Figure 6. Launching the Beebe-McLellan surfboat at Sleeping Bear Point, showing cork fenders and the boat wagon.

Figure 7. Keeper Walker and crew practicing resuscitating the drowned in front of the Boathouse. A surfboat on a carriage and a corner of the Boathouse showing the oar rack with oars appear in the background.

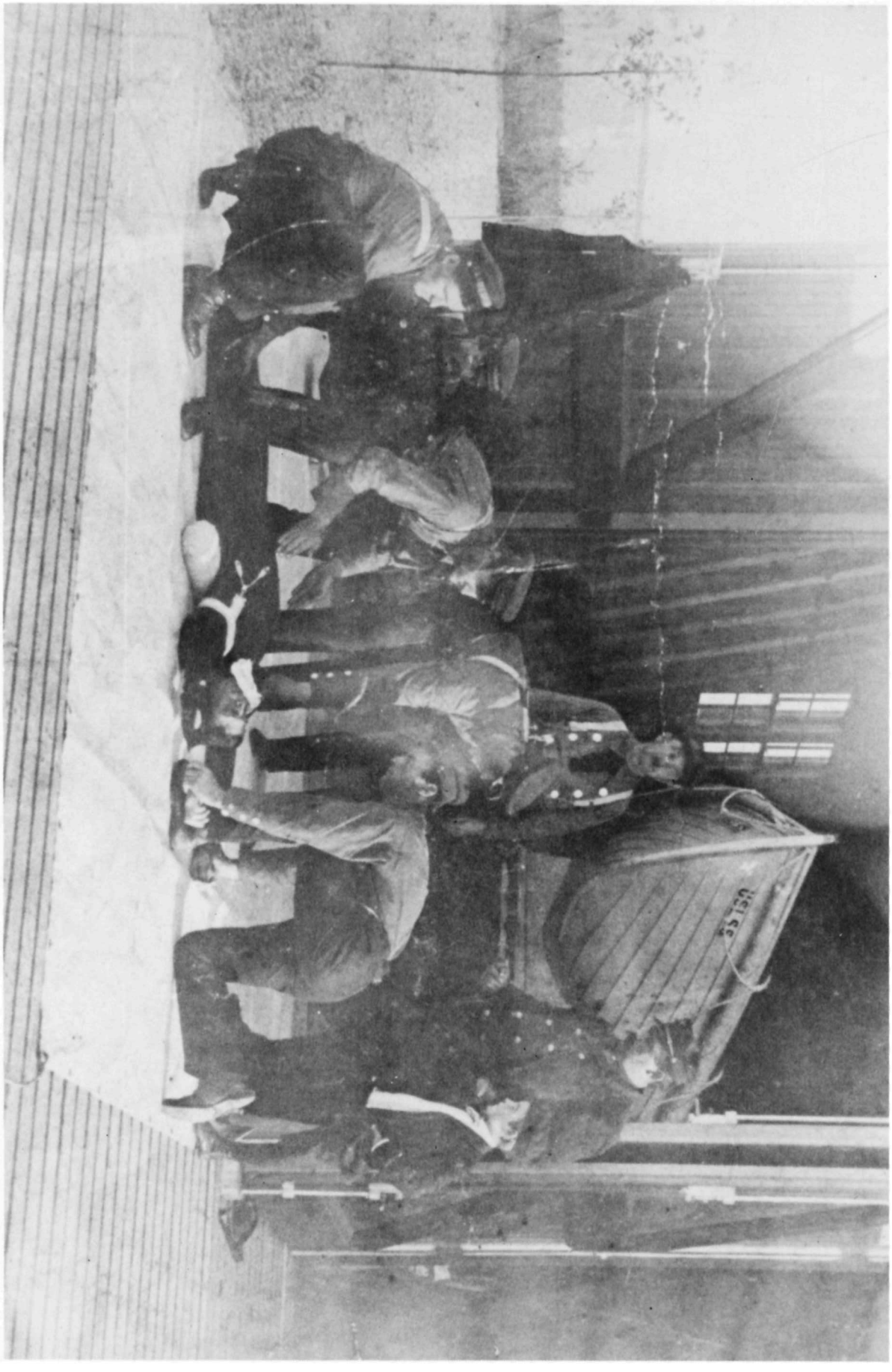


Figure 8. Sleeping Bear Point Boathouse, ramp, and station. Two boats, a life car, and possibly life jackets can be seen in the Boathouse.

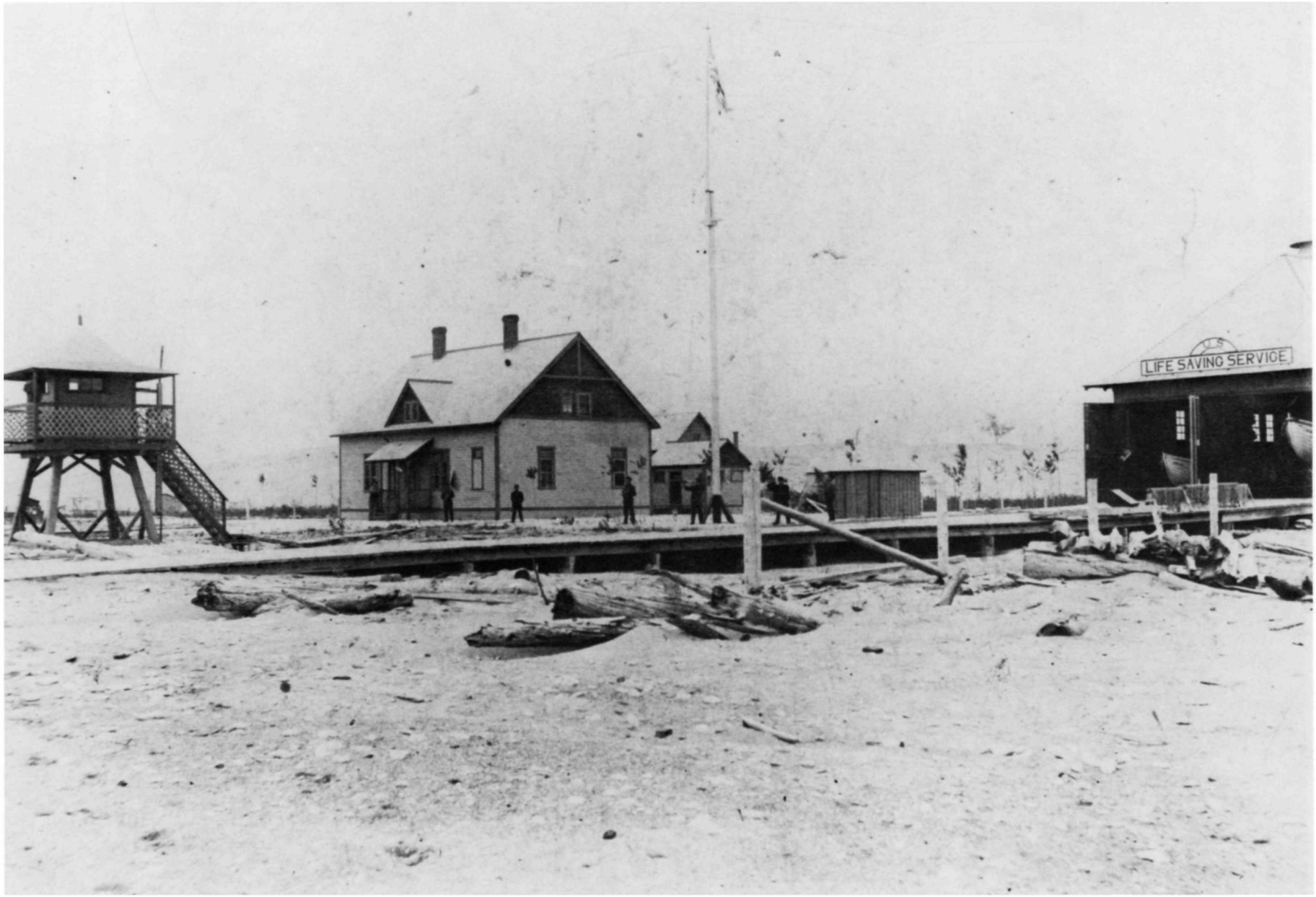

U.S.
LIFE SAVING SERVICE

Figure 9. Interior view of the Sleeping Bear Point Boathouse, showing the beach apparatus cart and part of the east wall, ca. 1905-1914, from the collection of Charles Bennett, Empire, Michigan.

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Figure 10. Interior view of the Sleeping Bear Point Boathouse, showing the southeast corner, ca. 1905--1914, from the collection of Charles Bennett, Empire, Michigan.

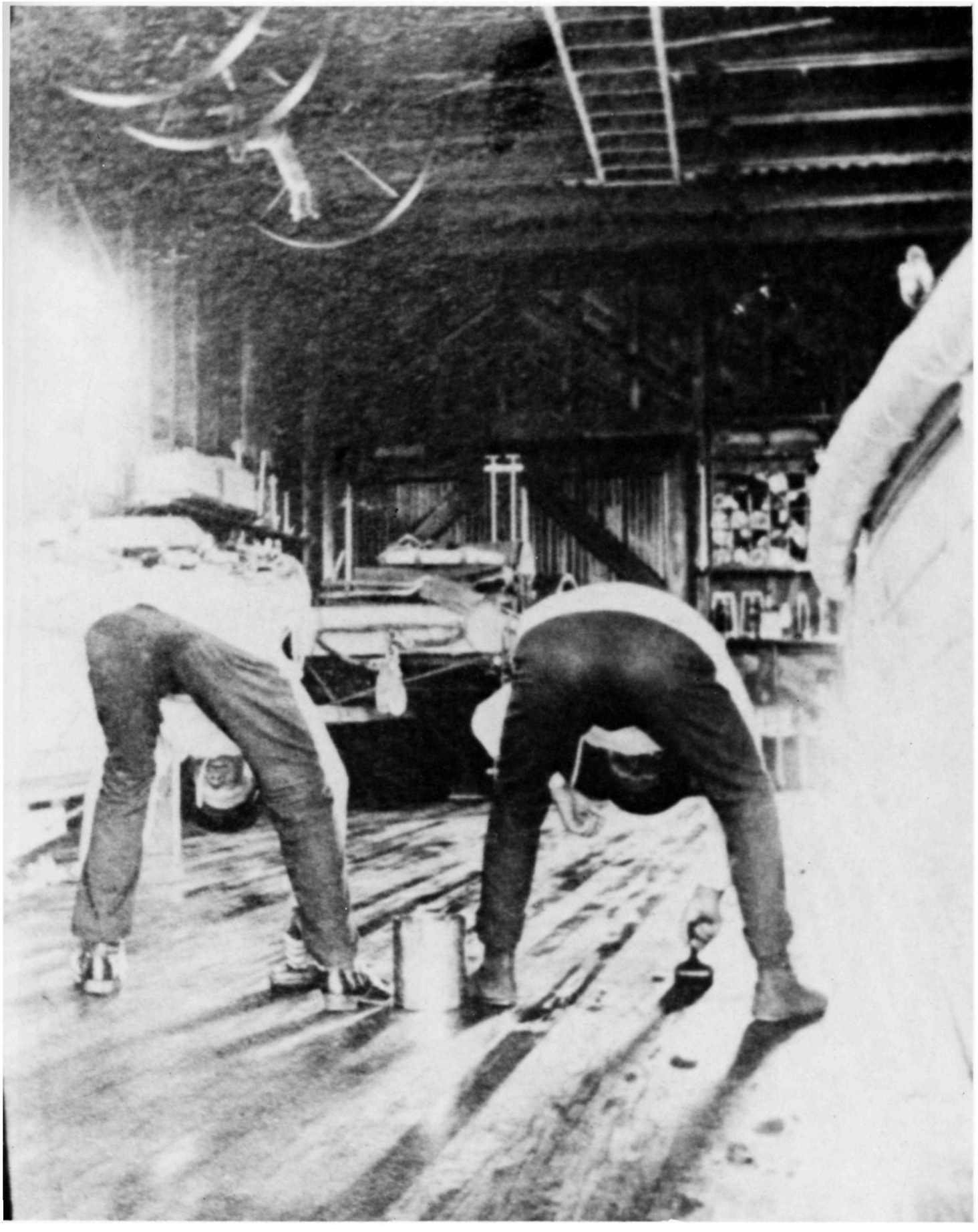


Figure 11. A view of an equipped surfboat at the Charlevoix Life-Saving Station, ca. 1915, from the collection of Charles Bennett, Empire, Michigan.

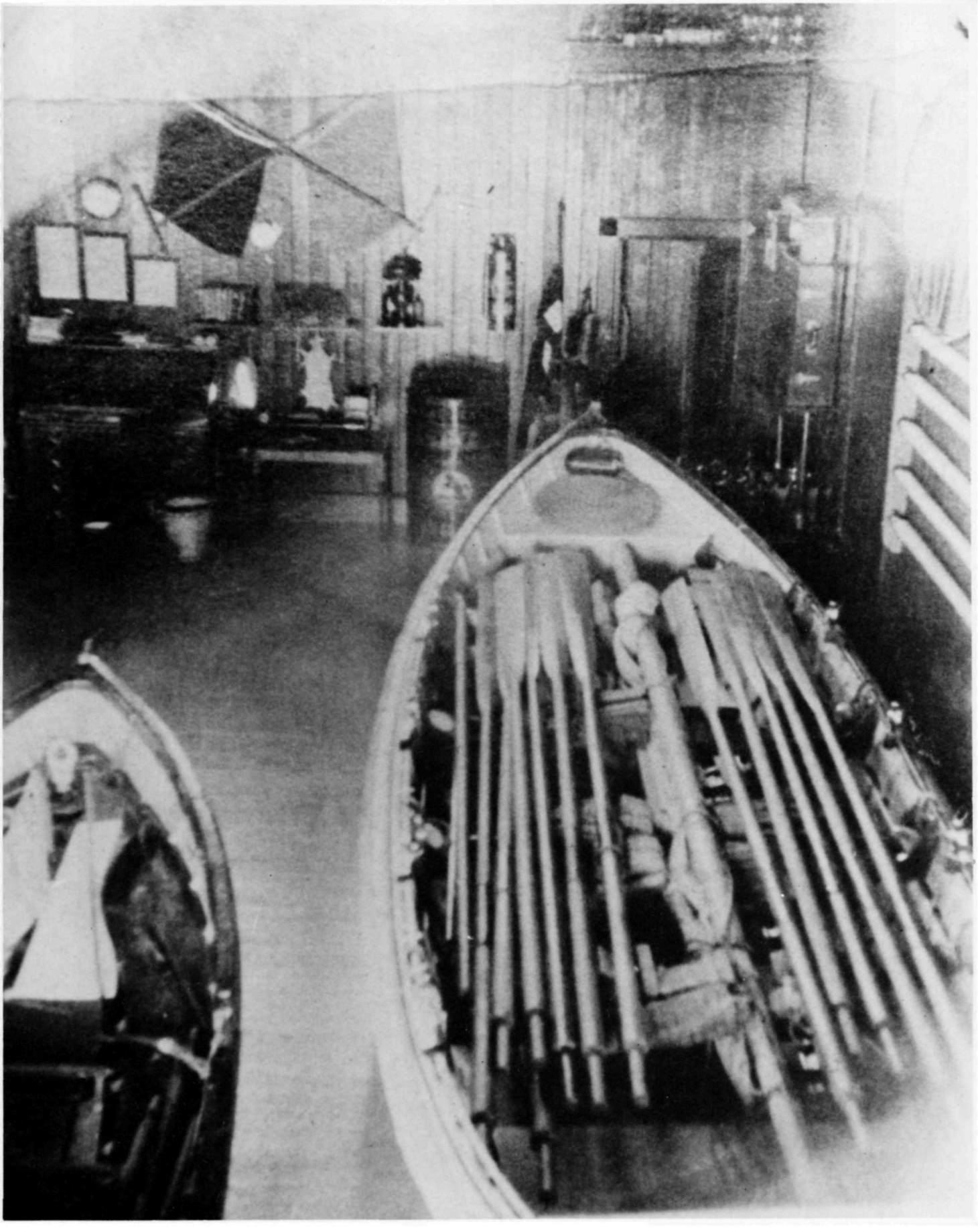


Figure 12. Interior view of U.S. Life-Saving Station at Oswego, New York, ca. 1899. This photograph shows a loaded beach cart and a life car on what appears to be a boat wagon.

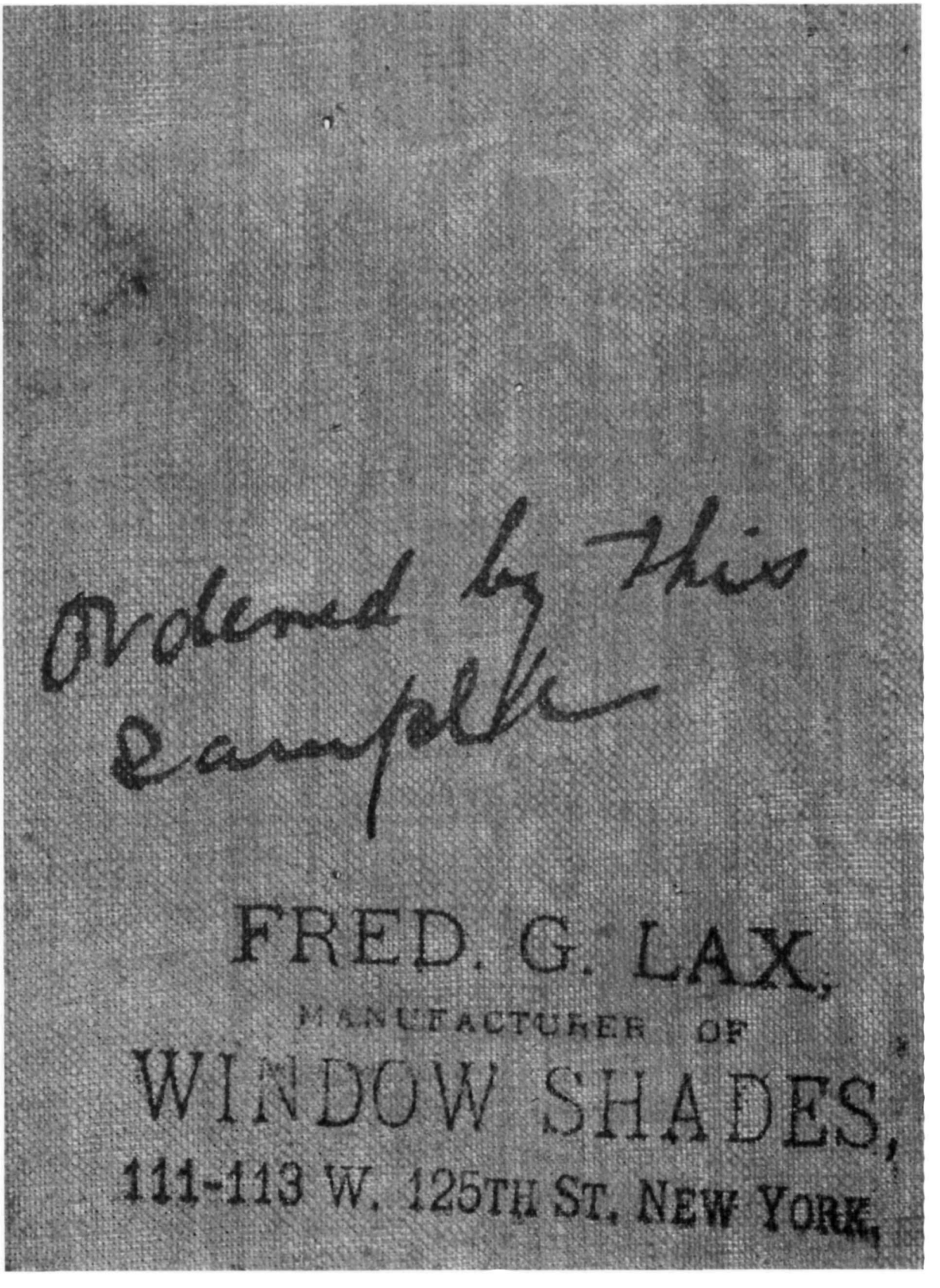
Figure 13. Boathouse Interior from James Otis' The Life Savers (New York: E.P. Dutton, 1899), p. 69.

CAPE ELIZABETH

Figure 14. The Crew's Quarters, from J.W. Dalton's The Life Savers of Cape Cod (Boston: Barta Press, 1902).

Figure 15. Sleeping quarters, from James Otis' The Life Savers (New York: E.P. Dutton, 1899), p.250.

Figure 16. Window shade sample for Sleeping Bear Point Life-Saving Station, from Letters Received 77665, RG26, NA.


ordered by this
sample
FRED. G. LAX,
MANUFACTURER OF
WINDOW SHADES,
111-113 W. 125TH ST. NEW YORK.

IMPLEMENTATION SECTION

I. RECOMMENDED FURNISHINGS

Introduction

Furnishings information for the Crew's Quarters and Boathouse is well-documented, as discussed on p. 16. The inventory of items originally issued the station, entitled "List of Articles of Outfit," appears to be a complete furnishings and equipment list. The Life-Saving Service records (primarily the Log Books, "Letters Received and Sent," and "Journal") indicate that few additions were made to the stock of furnishings and equipment which appeared on the original list.

The recommendations in this report follow as closely as possible the original "List of Articles of Outfit" and the supplemental information provided by other Life-Saving Service records. The main changes made to this list are the elimination of items not appropriate for the Crew's Quarters or Boathouse and items which would have been in storage and not visible.

Historic photographs of the Boathouse (see Figs. 1-10, pp. 65-98) provide information as to the locations of artifacts. Period sources such as the Life-Saving Service Annual Reports (1902-1915), the Life-Saving Service's Regulations for the Government of the Life-Saving Service (1899), and five photographs of other stations (see Figs. 11-15) have been used to provide additional information on the appearance and placement of artifacts.

After each recommended item is a reference to the primary source, listed in the Historical Data Section, which documents the usage of the artifact.

Crew's Quarters

The Crew's Quarters appear to have been sparsely furnished with only the bare necessities, beds, pillows, sheets and blankets, homemade bureaus, window shades, and lockers for each man. Most of the men had homes nearby and few personal possessions were necessary at the station.

The crew's bunk room was used strictly for sleeping and the storage of each man's uniforms. One of the keeper's duties stated: "He will not permit the men to smoke in their sleeping apartments at any time."[1] The leisure time of the men was spent on the first floor in either the mess room or the front east room which appears to have been used as a sitting room.

Cliff Deering, a Coast Guardsman at the station during the 1920s and early 1930s described a very regimented life under the Coast Guard authority. The crew's sleeping quarters contained no extraneous furnishings, only the beds, a small table, and one lamp. The regulation issue of uniforms, extra sheets and blankets, a pocket knife, a case of matches, and a book of navigation laws, Morse Code, and wigwag were stored neatly on the shelves in the lockers with the dress coat hung on the door. Architectural evidence indicates that there were wall hooks placed around the room, probably for temporary storage of clothing. Every morning by 8 a.m., the room had to be cleaned and ready for inspection.

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1. United States Life-Saving Service, Regulations for the Government of the Life-Saving Service of the United States (Washington: Government Printing Office, 1899), p. 44.

The Life-Saving Service does not appear to have been as regimented about housecleaning and inspections as the Coast Guard. The Log Books indicate that a thorough housecleaning and inspection took place once a week as was required by the 1899 Life-Saving Service Regulations. A photograph of an East Coast Life-Saving Station Crew's Quarters, Fig. 15, shows a small shelf with several lamps and what appears to be a few personal items. A trunk or box used as a table is next to one of the beds. However, the overall impression from Figs. 14 and 15, photographs of Crew's Quarters in other stations, is one of neat, sparsely furnished rooms. These photographs support the documented information about the Sleeping Bear Point Crew's Quarters. Both the furnishings listed in the "Articles of Outfit" and the oral history information indicate the room was simply furnished.

Furniture:

1. IRON BEDS with woven wire springs, seven (7), (L. 77", W. 30") and wooden castors, to match the iron bed now located at Sleeping Bear Dunes National Lakeshore. Paint color to be determined from the original bed.

   Location: One between each locker door, one against the east window, and one against the south window.

   See "List of Articles of Outfit," item number 1. Ten beds were originally ordered and described as "iron, single, with best quality woven wire mattresses." Seven of them presumably went into the Crew's Quarters for the seven surfmen. The dimensions for the mattresses ordered at the same time--"6 feet 2 inches by 2 feet 6 inches"--provide a clue as to the original dimensions of these iron beds. The bed now located at Sleeping Bear Dunes National Lakeshore (6'5" x 2'6") was acquired locally and closely resembles the beds in Figs. 14 and 15, photographs of east coast Crew's Quarters. This bed very probably came from one of the nearby Life-Saving Stations, if not Sleeping Bear Point.

   Six (6) to be acquired either as antiques or reproductions.

Accessory Furnishings:

Window Treatment

2. WINDOW SHADES, four (4), olive green to match sample located in RG26, National Archives.

   Location: One for each window.

   See "List of Articles of Outfit" (Miscellaneous section) Crew's Quarters, p. 27, also see Fig. 16, an illustration of a sample from the file of Letters Received 77665, RG26, National Archives.

   To be acquired as reproductions. If additional money can be located, shades for the entire station should be purchased at the same time. However, shades are not recommended for the first floor exhibit rooms because the introduction of an additional color would interfere with the exhibit design.

Wall Treatment

3. WALL HOOKS, two (2) sets of twelve (12), japanned iron, one dozen, on 4-inch wide beaded board.

   Location: Six (6) feet from floor, as noted by the architectural evidence.

   See Fig. 15 and architectural evidence as noted by Park Staff when the room was repainted. Also see "Architectural Specifications," p. 19.

   To be acquired, reproduction.

4. WALL SHELF, wooden, supported by two (2) japanned cast-iron brackets. Shelf to be 10-12 inches wide, 3/8 to 1/2 inch thick, 2-3 feet long.

   Location: East wall, approximately 4 feet from floor.

   See Figs. 14 and 15.

   To be acquired, antique.

Bedding

Each bed should be neatly made as in Figs. 14 and 15. Although the sheets and blankets do not need to be originals, each bed should have two sheets and one blanket in order to have the correct appearance.

5. MATTRESSES, seven (7), (6'2" x 2'6", weight 27 pounds), square edges.

   Location: On the beds.

   See "List of Articles of Outfit," item number 5, which describes in detail both mattresses and mattress covers. Since they will not be directly on view, only the shape and size need to be approximated. No covers are necessary.

   To be acquired as reproductions.

6. SHEETS, sixteen (16), two (2) to be brown.

   Location: Each bed to have two (2) sheets and two (2) sheets folded and stacked in closet #7.

   See "List of Articles of Outfit," item number 10, which describes in detail the original sheets. Only the sheets in the closet will be on display and should be brown. Modern, single sheets would be acceptable for the beds.

   To be acquired; may be both reproductions and modern.

7. PILLOWS, feather, seven (7), (20" x 30", weight 3 pounds).

   Location: On the beds.

   See "List of Articles of Outfit," which describes goose-feather pillows. The pillows do not need to be covered in original ticking, but should be feather in order to give the correct appearance.

   To be acquired as reproductions.

8. PILLOWCASES, eight (8), (23" x 35"), white.

Location: On the beds and in closet #7.

See May 11, 1907, May 4, 1908, May 3, 1911, and May 25, 1912, Log Book entries and "List of Original Articles of Outfit," item number 8.

To be acquired, reproduction.

9. BLANKETS, eight (8), gray.

Location: On the beds and closet #7.

See "List of Articles of Outfit," item number 2.

To be acquired as reproductions.

10. BEDSPREADS, seven (7), white (to resemble those in Fig. 11).

Location: On the beds. On both occasions when bedspreads were sent to the station, the Log Books recorded receiving only eight bedspreads, presumably seven for the surfmen and one for the keeper. There were no extras for the men to store in their lockers.

See May 9, 1905 and May 19, 1914 Log Book entries.

To be acquired as reproductions.

Lighting Fixtures

11. HAND LAMP, one (1), small, kerosene

Location: On the wall shelf.

See May 3, 1911 Log Book entry and Interview with Cliff Deering.

To be acquired as an antique.

Closet (206A) Furnishings

12. BEDDING, to include two (2) brown sheets, one (1) pillowcase, and one (1) gray blanket, stacked and folded.

    Location: On the shelf in closet #7.

    See Cliff Deering Interview and "List of Articles of Outfit," items numbered 10, 8, and 2.

    To be acquired, reproduction, already mentioned in Bedding section.

13. TOWELING, two (2) crash, folded.

    Location: On the shelf in closet #7.

    See May 9, 1905, April 30, 1906, May 4, 1908, April 27, 1910, May 19, 1914, Log Book entries.

    To be acquired as reproductions.

14. BOOKS, three (3), to include one (1) International Code Book, one (1) Regulations of the United States Life-Saving Service (Washington, D.C.: Government Printing Office, 1899), and one (1) Book of Directions for Restoring the Apparently Drowned.

    Location: On the wall shelf or in closet #7 on the shelf.

    See "Books and Forms Noted by Letters Received" and July 28, 1902, December 4, 1902, February 4, 1904 Log Book entries (Appendix I). Each surfman was required to know the instructions and information in these three books. Although they probably did not each have their own copies, they would have borrowed the station copy as needed.

    To be acquired as antiques.

15. PERSONAL ARTICLES, to include razor, strop, comb, and pocket knife.

    Location: One corner of the shelf in closet #7.

See Cliff Deering Interview for mention of the pocket knife. Although Mr. Deering does not recall storing any personal items at the station, it seems likely that each man kept a few personal articles, such as shaving equipment, in his locker. A few personal items can be seen on a shelf in Fig. 15.

To be acquired as antiques.

Uniforms:

The keeper and crew were required to purchase their own uniforms. Providing they conformed to regulation quality and patterns and were approved by either the Assistant Inspector or the District Superintendent, the uniforms could be purchased from any manufacturer. The overcoat and winter cap were not required and any oil-clothing was allowable if it could be altered and marked to Life-Saving Service specifications.[2]

Photographs taken of the crew at Sleeping Bear Point show both the summer and winter uniforms. There seems to be a variation in shirts and ties under the uniform jackets. According to the 1899 Regulations for the Government of the Life-Saving Service, the keeper announced at breakfast which uniform would be worn for the day.[3]

The heavy outer wear was not kept in each man's locker. The large front room on the first floor was lined with hooks, a possible location for hanging the overcoats and storm gear. There is also evidence, according to a Coast Guardsman (see Deering Interview) that the oilskins and boots may have been kept in the Boathouse. The most likely location during the Life-Saving Service period of operation was

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2. Ibid., pp. 61-65.

3. Ibid., p. 61.

the storm porch on the first floor at the back of the house. Architectural drawings of two other District 11 stations show similar small rooms designated as being for "storm clothes."[4]

16. UNIFORM, summer, two (2) Life-Saving Service, ca. 1902-1914, to include: an unbleached cotton duck jumper which extends to three (3) inches below the hipline, with a collar of the seaman pattern, open sleeves, and without cuffs.

OVERALLS, of the same material as the jumper, fastened at the waist with a drawstring, with a large pocket in front of the right leg and two (2) buttons on the flap.

HAT, drilling, white linen, with a Life-Saving Service hatband of black silk ribbon with the words, "U.S. Life-Saving Service" printed in gold block letters 7/8" high.

SOCKS.

SHIRT.

TIE.

BATHING SUIT (dark material).

Location: Folded on the shelf in closet #7 (206A), and hung on the door of closet #6 (206B).

See Figs. 1-7, pp. 65-76 for illustrations of the crew's uniforms. The bathing suit may not have been standard issue; however, Fig. 3 shows the crew in bathing suits, one of which is marked "L.S.S." See also the Life-Saving Service's Regulations for the Government of the Life-Saving Service of the United States (Washington, D.C.: Government Printing Office, 1899); Company of Military Historians' Military Uniforms of America, plate no. 440; and the Cliff Deering Interview, pp. 24-25.

To be acquired as reproductions.

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4. Architectural Drawings, District 11, Chicago No. 279 and Chicago No. 284, Cartographic and Architectural Branch, NA, Alexandria, Virginia.

17. UNIFORM, winter, Life-Saving Service, ca. 1902-1914, three (3) of each item, to include: jacket, trousers, dark sweater, hat, socks, shoes, double-breasted shirt, and black tie. The following is a detailed description of the jacket, trousers, and hat from the Life-Saving Service's Regulations for the Government of the Life-Saving Service of the United States (Washington, D.C.: Government Printing Office, 1899):

> Coat. To be of dark indigo-blue kersey or flannel, single-breasted, straight front sack, rolling collar, and lapels to close to within 4 inches of neck, with four medium-sized plain black buttons, the front and back of coat to descent to top of inseam of trousers.
>
> From the point where the collar and shoulder seams meet a plait 2 inches wide, descending through the center of each forepart, and also in the back through the center of each half back, to bottom of coat.
>
> A belt of same material as garment, 2 1/2 inches wide and double-stitched on the edges, confined at the waist line by passing through and under the four plaits, the loose ends being closed by two small black buttons. One inside breast and two outside hand pockets.
>
> Upon the right sleeve of the coat, midway between the shoulder and the elbow, will be placed the emblem of the Life-Saving Service (the life-buoy, oar, and boat hook), and in a corresponding position upon the left sleeve the number of the surfman will appear.
>
> The emblem and the number will be of white silk or linen, embroidered upon a square of dark-blue cloth. The buoy of the emblem will have an outer diameter of 2 1/4 inches. The number will be 2 1/4 inches in height. In placing these devices upon the sleeves the stitches will be placed through the edges of the cloth; not "overhanded."
>
> Trousers. - Same as for keepers.

Keepers Trousers. - To be of same material, cut in the prevailing style.

Cap. - To be of dark-blue cloth, the same as for keepers, except that the ornament and chin strap will be omitted, and around lower part of crown there will be a black silk ribbon 1 1/2 inches wide, with "U.S. LIFE-SAVING SERVICE" printed thereon in gold block letters 7/8 inch in height.

Keepers Cap. - To be of dark-blue cloth, top 3/4 inch larger in diameter than the base, the quarters to be so shaped that the height in front will not be less than 1 1/2 inches nor more than 2 inches, and behind not less than 1 inch nor more than 1 1/2 inches, respectively. The band will be 1 1/2 inches wide, formed of stout pasteboard, with a welt 7/8 inch in diameter at top and bottom. The visor will be of black patent-leather, its under side green, greatest width 2 inches, rounded, to slope downward from base of cap at any angle not to exceed 20°.

Location: In closet #7, folded and stacked on the shelf with the exception of the coat to be hung on a hanger on the door hook, and 2nd uniform hung on door of closet #6; the third uniform is to be placed on the mannequin in the first floor exhibit area.

See Figs. 1-7, pp. 65-78, for illustrations of the crew's uniforms. See also the Life-Saving Service's Regulations for the Government of the Life-Saving Service of the United States (Washington: Government Printing Office, 1889), the Company of Military Historians' Military Uniforms in America, plate no. 440, and the Cliff Deering Interview, pp. 24-25.

To be acquired as reproductions.

18. SHOES, two (2) pairs, soft black leather, leather sole, lace-up, reaching slightly above the ankle.

Location: Shelf in closet.

See Figs. 1, 2, 5, 7, pp. 65-78, for illustrations of the crew's uniforms. Shoes were not specified in the regulations; however, the illustrations show a leather lace-up shoe which was very common at the time and is still available today. The shoes appear from the illustrations to be the same for both summer and winter.

To be acquired.

Boathouse

The Life-Saving Service supplied the Boathouse from its warehouses with the exception of a few items purchased by contract such as boat fenders. All of the Boathouse furnishings were standard items issued by the Life-Saving Service.

The Boathouse was fully equipped in 1902. Each spring new supplies were sent to replenish supplies of equipment that had been used the season before. Projectiles, coston signals, patrol lanterns, and globes were the most frequently sent supplies. Sleeping Bear Point received a new boat twice during the years of operation under the Life-Saving Service, a new Beebe-McLellan in 1906 and a power surfboat in 1912.

Several photographs of the Boathouse taken during the historic period, 1902-1915, show the general location of the boats, the lifeboat, oar racks, and an anchor. The surfboats and beach cart were kept in readiness, and fully equipped. A complete set of Life-Saving apparatus was stored in the beach cart. Additional Life-Saving Equipment

such as lines, projectiles, and faking boxes was kept at the station and was also stored in the Boathouse in case of emergencies.[5]

Evidence of hooks, pegs, and shelving suggests that this extra equipment was stored around the walls. Most likely every item had a specific place because easy access was an important consideration for a crew who was to be prepared for emergencies.

In general the recommended artifacts are organized by size and location. The larger items are listed first, such as boats, life car, beach apparatus cart, and their contents which will take up the main floor space, then the smaller additional items which are to be placed in the cupboard and around the walls. A reference is made after each item to the source or illustration in the Historical Data Section that documents its use. Items from the "List of Articles of Outfit" are identified by their original number so that they can be easily cross-referenced with the copy of the list provided on pp. 50-65.

Boats:

1. SURFBOAT, Beebe-McLellan, self-bailing, water balanced, clinker-built, length 25'4", breadth 7'4", 4 thwarts, built in 1902 and outfit consisting of:

    2 cork fenders

    1 hasp

    6 righting lines with wooden floats

    Mast, spruce

---

5. Sumner I. Kimball, The Organization and Methods of the United States Life-Saving Service (Washington: Government Printing Office, 1899; 1912), p. 9.

2 straps, rope for sprits

2 blocks, single inch gun metal

11 mast hoops, galvanized iron

1 withe, gun metal

shrouds

1 sail sprit

1 jib

Halyards for sprit and jib

1 cover for sail, sheets double for both sails

1 anchor, 30 lbs. galvanized with 20 fathoms of 2 inch manila

2 belaying pins, brass for halyards

1 pin brass for mast hasp

24 tholepins, wood

10 rowlocks, gun metal

2 pump spears

Wrench, wooden for manhole cover.

OR

SURFBOAT, (1906), Beebe-McLellan, self-bailing, with centerboard and outfit consisting of:

2 fenders

1 hasp

8 rowlock plates

10 oars, ash, 12 feet

2 sprit, spruce

1 30 lb. anchor, folding

1 cover, sail

2 belaying pins, brass

2 blocks, 3 inch gun metal

2 lifelines, 18 thread, "without floats, will be looped from the gunwales at equal distances on both sides, the bights to be sufficiently long in the waist to reach the water line, to be used as stirrup in climbing into the boat."[6]

11 mast loops, iron

1 pin brass for hasp

2 pump spears

6 righting lines with wood floats, "of 18-thread manila, 18 feet long in the clear, will be spliced around the inside gun wales, on each side of the boat abreast of each thwart. The ends of these lines will be provided with cedar floats 4 1/2 inches long and three inches diameter, tapered and confined at each end by a Mathew Walker knot worked before and after the float is put on. The righting lines will be kept neatly coiled on the thwarts, but not stopped."[7]

10 rowlocks, gun metal

1 sail jib

1 sail sprit

2 sheets double

2 shrouds

1 snaphook for jib

2 straps, rope for sprits

24 tholepins, wood

1 withe, gun metal

1 wrench, wooden for manhole cover

Location: West side of the Boathouse. Mast and sails to be stored along the walls or in the rafters. See Fig. 10.

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6. Life-Saving Service, Regulations, p. 118.

7. Ibid., p. 118.

See the "Record of Boats at Life-Saving Stations" (1902) and the November 5, 1906 and June 30, 1902 Log Books and the U.S. Life-Saving Service's Regulations for the Government of the Life-Saving Service of the United States (Washington: Government Printing Office, 1899), the section on the "Beebe-McLellan Self-Bailing Surfboat Drill with McLellan Boat Wagon," pp.116-118. William Wilkinson, Director of the Mariner's Museum, and an authority on the Life-Saving Service feels that the boat mast and sails would not have been stored in the boats because they were rarely used and would have added unnecessary weight to the surfboats.

To be acquired as antiques or reproductions. A Monomoy surfboat now located at Sleeping Bear Dunes National Lakeshore may be substituted for the Beebe-McLellan until one can be acquired.

2. EQUIPMENT, to be located in the Beebe-McLellan surfboat, not included in the outfit:

1 boat compass, liquid, with lacquered, copper, improved binnacles

9 oars

1 steering oar

2 boathooks, one forward, one aft

2 boat hatchets, one forward, one aft

1 water light

1 lantern

8 cork life preservers for keeper and crew

8 spare cork life preservers (2 on the underside of each thwart)

1 anchor line not less than 15 fathoms

1 hand grapnel with 15 fathoms of 1 1/2" line stowed forward

1 boat drag, stowed aft, on the rail

1 boat sponge

1 heaving stick and line to be stowed forward

Location: Beebe-McLellan surfboat. See Fig. 11 for an example of how a boat should be outfitted.

This list is made up of items found in the original "List of Articles of Outfit." See item numbers 234, 298-401, 415-416, 439, 709-711, 753, 762, 777 and "Log Book Entries." The information about which items were stored in the Beebe-McLellan boat is based on a composite list made up from information found in the U.S. Life-Saving Service's Regulations for the Government of the Life-Saving Service in the United States (Washington: Government Printing Office, 1899) and the Coast Guard's Instructions for United States Coast Guard Station 1916 (Washington: Government Printing Office, 1917). All items on the 1899 Life-Saving Service's Regulations list matched items found in the original "List of Articles of Outfit." However, not all items on the Coast Guard list could be found in the Sleeping Bear Point primary source documents and were, therefore, not included in this list.

The oars, boat compass, boat drag, and lantern (Sleeping Bear catalog numbers 147, 127, 144, 136, or 225), located at Sleeping Bear Dunes National Lakeshore are appropriate. The remainder of the items to be acquired.

3. SURFBOAT, Monomoy, No. 5, flat bottomed, clinker built, length 23', breadth 6', 6 thwarts, air cases at ends, with main and jib sail, and basic outfit consisting of:

    1 mast 15 1/2 feet

    2 sprits, one 14 and one 6 feet long

    11 mast hoops, galvanized

    2 blocks, galvanized with hook for halyards

    10 rowlocks

    1 jib

    1 mainsail and rigging for rain

Location: East side of Boathouse, mast and sails to be stored along the wall or in the rafters.

See "Record of Boats at Life-Saving Stations" (1902) and June 30, 1902 Log Book.

Fittings to be acquired for one of the Monomoys now located at Sleeping Bear Dunes National Lakeshore. To be acquired as reproductions.

4. EQUIPMENT, for the Monomoy.

Since the Monomoy surfboat will be on a boat wagon, the interior will not be visible. It is not recommended that it be outfitted.

5. SURFBOAT WAGON, one, or one McLellan boat wagon with runners.

Location: East side of the Boathouse.

See June 30 and November 11, 1902 Log Book entries and "Equipment as Noted in Letters Received" and the "List of Articles of Outfit." By the fall of 1902, both the Beebe-McLellan and the Monomoy were on boat wagons. In 1906, the station received a launching carriage along with the new Beebe-McLellan. At that time one of the surfboat wagons was probably replaced. It may have been used in the other Boathouse. Figure 10 shows a boat wagon hanging from the rafters.

To be acquired as a reproduction or an antique. The Mariner's Museum in Newport News, Virginia has a McLellan boat wagon manufactured by Studebaker Bros. as was the 1902 Sleeping Bear Point boat wagon. If a reproduction becomes necessary, it is recommended that the Mariner's Museum wagon be copied.

6. LAUNCHING CARRIAGE, one, surfboat, ca. 1902-1915.

Location: On the west side of the Boathouse.

See "Life-Saving Equipment as Noted in the Register of Letters Sent."

The launching carriage now located in the station at Sleeping Bear Dunes National Lakeshore would be appropriate.

7. LIFECAR, ca. 1902-1915, ropes, chain and blocks necessary for hanging it from rafters.

Location: Rafters, north center of Boathouse, see Fig. 8.

See Equipment as Noted in Letters Received" and "List of Articles of Outfit," Miscellaneous section #781 and historic photographs, Fig. 8. One chain is currently hanging from the rafters. According to the "List of Articles of Outfit" #410, two three-feet long, 1/4-inch iron chains were originally sent to Sleeping Bear Point. It seems likely these chains were used for hoisting up the lifecar.

The lifecar currently on loan to Sleeping Bear Point is appropriate.

8. HANDCART, for beach apparatus, ca. 1902-1915.

Location: South end of Boathouse, see Fig. 9. Sumner Kimball in his book on the Organization and Methods of the United States Life-Saving Service (Washington: Government Printing Office, 1889 and 1912) indicates that the apparatus cart was usually kept in the rear of the Boathouse. He wrote, describing the typical Life-Saving Service Boathouse: "Exit for the surfboat wagon and apparatus cart is also provided in the rear of the building in case it should be necessary to transport them along the shore." Although the original location of the beach cart was in front of the double doors at the south end of the Boathouse, this location will need to be changed to the southwest corner because of visitor traffic flow.

See the "List of Articles of Outfit," Miscellaneous section #770.

The handcart now located in the Boathouse at Sleeping Bear Dunes National Lakeshore, a reproduction of one in the collection (in poor condition) is appropriate for display. However, it needs to be painted. The color blue, the same as on the original cart, is recommended. Blue paint was also used at the Sleeping Bear Point Station. A Log Book entry for May 11, 1907 recorded receiving "1 lb. tints blue." Two other Log Book entries for May 9, 1905 and April 8, 1910 recorded "1 lb. Prussian blue paint." Line reels need to be made for the beach cart and the screws securing the wheel bands need to be replaced.

9. EQUIPMENT, to be placed in the beach apparatus cart:

1 double reel

2 tallyboards no. 1 and no 2

1 hawser

1 whip line (upon reel)

1 tail block (double)

1 inner block (double, next to the sand anchor)

1 outer block (single)

1 Lyle gun and carriage

3 Faking boxes containing shot lines numbers 9, 7, and 4

1 rammer

1 sand anchor and pendant

1 pick ax

2 shovels

1 crotch

3 projectiles

1 hearing stick and line

1 piece bagging

1 hawser cutter

1 combination level

1 haversack

1 breeches buoy

1 gun worm (in leather beckets)

1 ax (in leather beckets)

1 speaking trumpet (hung over left headboard rod)

1 red and white lantern, on each side attached to the uprights (see Fig. 9)

1 red flag and staff, 6' long, 1" diameter

1 white flag and staff, 6' long, 1" diameter, staffs to be fitted under the right side of the apparatus cart, the flags to be under the cart body

2 torches, attached to headboard

2 torch staffs, becketed on side of cart

Location: Beach cart. The following are instructions for loading the beach cart taken from the 1899 edition of the Regulations for the Government of the Life-Saving Service of the United States (Washington: Government Printing Office, 1899):[8]

> To load the Beach Cart: The crews are not to be exercised in loading the carts expeditiously, but rather in compactly stowing the apparatus, following the instructions herein contained. The apparatus must be placed upon the cart in the following order:
>
> > The reel is to be unshipped. One man lights along the hawser while four men, one at each corner of the cart, proceed to coil it down, right-handed and from the outside toward the center, in a Flemish coil. Having completed the first layer, carry the bight to the outside of the coil and coil toward the center again. This is done that the hawser, when in use, may run from the center of the coil.
> >
> > Tally board No. 2 is to be spliced or bent on the top end of the hawser and stowed away in the center of the coil.
> >
> > The reel is to be shipped and the whip reeled upon it as follows: Reeve the whip through the tail block, make each end of the whip fast with a slight stop at each side of the reel, and reel up, working toward the middle of the spindle, when both parts meet, work back to the end, and so on until the ship is on the reel, when the tail block will hang in the middle of the whip over the front of the reel.

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8. Regulations for the Government of the Life-Saving Service of the United States (Washington: Government Printing Office, 1899).

The inner block, or that next the sand anchor, should be painted white, the outer one left bright. The tackle is to be overhauled its full length, and a strap placed around all parts of the fall, under each block. The outer block is to be placed under the reel, on the left side, and all parts of the fall, coiled right-handed around upon the hawser, laying them down flat, leaving off with the inner block under the reel, opposite the first.

The gun is to be placed athwart the hawser, immediately over the axle, muzzle to the right. Stops, 3 feet long, are spliced into the top of the sides of the cart body, and are made fast through the front and rear handles of the right side of the gun carriage.

Shot-line box A, containing No. 9 line, is to be placed across the cart in the rear of the gun, filling the space between the gun and the tailboard. Stops, 3 feet in length, are spliced into the top of the sides of the cart body, and are made fast into the handles of the shot-line box, and No. 7 and No. 4 lines in their respective boxes are secured on top of all.

The shot lines must be faked, as shown in the diagram (Fig. 15), and hauled as closely around the pins as can be done without springing them.

The rammer is to be placed between the gun and the shot-line box.

The tailboard is cut away sufficiently on the top under the rails to admit of its being raised to drive under the tailboard and hawser two pieces of wood, one-half inch thick, 2 inches wide, and 3 feet long, one on each side, leaving 4 inches projecting. The sand

anchor is to be placed across the rear end of the cart, upon its edge, resting upon these projecting pieces, the pennant hooked into it and housed.

The stops spliced into the eyes of the tailboard rods are to be passed down outside of the anchor, around the horns of the cross frame of the cart body, back, up outside the anchor, and made fast in the eye again.

The pennant is to be kept up in place by the same stops. The sharp point of the pickax is to be stuck between the sand anchor and the tailboard, on the left side, the handle to the right, the point of the pick resting upon the sand-anchor support.

The loops of the shovel handles are to be placed over the upper horn of the pick, blades of the shovels to the right, and kept in place by a stop spliced around the right rear brace of the cart body and brought up over and around the shovel handles.

A 3/4-inch hole is bored through both legs of the crotch, at a distance from the slot equal to the extreme length of the cart. A span of 1 1/2-inch rope, 3 fathoms long, is spliced into one of these holes. The crotch is to be secured under the cart on the left side by taking a half hitch around the horn of the after crosspiece of the cart body, the head of the crotch being made fast at the breast piece with a two-legged stop spliced there for the purpose.

Three shot and a heaving stick and line are to be placed upon the hawser, in front of the gun, a piece of bagging being put under them.

Upon the gun there is to be placed the haversack, containing three 6-ounce, three

5-ounce, and three 4-ounce cartridges, filled and marked, and two dozen primers.

The breeches buoy is to be laid upon its flat, resting upon the reel and gun. The speaking trumpet is to be hung over the left headboard rod.

The gun worm and ax are to be hung in leather beckets on the left and right sides of the cart body, respectively.

Over all is to be spread the tarpaulin, stopped at the corners and sides.

Loaded as above, the reel stanchions placed 6 inches from the headboard, the cart should exactly balance. If, through difference in size and weight of crotch and sand anchor the cart does not balance, it can be adjusted by moving the gun a few inches forward or aft.

While standing in the house the cart should have a support under the center of the axle.

Hawser Cutter: After the crew is landed from a stranded vessel, it may be necessary to detach the hawser from the wreck, either for the purpose of using it elsewhere or because the wreck is rapidly breaking up. In either case, the hawser cutter should be used. To do this, the breeches buoy is first removed, and then, facing the wreck, and standing on the left of the hawser, the cutter is placed upon it by grasping it, as shown in Fig. 16, the white end of the cutter being inshore, the eyes of the knives inclined toward the wreck. The cutter is then closed and the clasp secured.

The becket in the outer end of the cutter should have two eyes formed in the bight by passing a seizing around both parts, 2 inches from the bight, and a second seizing 2 inches from the first . . .

> Bend a bight of the weather part of the whip into the outer eye of the becket, leading from the outer end of the cutter, with a sheet bend. . .and the tail of the knife lanyards into another bight of the same part of the whip, with a bowline knot. . .allowing sufficient slack line, . . .to permit the knives to work.

The list of life-saving equipment to be placed in the beach apparatus cart was abstracted from the Life-Saving Service's Regulations for the Government of the Life-Saving Service of the United States, (Washington: Government Printing Office, 1899), the chapter on the "Beach Apparatus Drill" and the chapter on "Signals." This equipment was also listed on the original "List of Articles of Outfit." In most cases the station was furnished with at least two of each item. Sumner Kimball wrote in his book, The Organization and Methods of the United States Life-Saving Service, (Washington: Government Printing Office, 1899, 1912) that "The stations. . .are generally equipped with. . .two sets of breeches buoy apparatus (including a Lyle gun and accessories). . .[9] See also Fig. 5 which shows No. 1 posing with the speaking trumpet, breeches buoy and Lyle gun, and Fig. 9.

The projectiles (no numbers), faking boxes (no numbers), breeches buoy (no number), hawser cutter (SLBE catalog No. 286), Lyle gun and carriage (no numbers), rammer and sponge (no numbers), and speaking trumpet (no number) now located at Sleeping Bear Dunes National Lakeshore are appropriate. The remainder of the items to be acquired.

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9. The Organization and Methods of the United States Life-Saving Service, (Washington: Government Printing Office, 1899, 1912).

Additional Equipment:

The following recommended items are equipment listed in either the Log Book entries or the original "List of Articles of Outfit" and that cannot be accounted for in the boat outfits or the beach apparatus cart. Most of this equipment was intended as spare or replacement parts for that contained in the boats and carts.

The locations of some of these items may have to be shifted depending upon the location of audiovisual equipment and the photographic exhibit.

Shadows on the wall indicate where shelving and hooks were located at one time. Shelving can be seen on the east and south walls in historic photographs of the Boathouse interior, Figs. 9 and 10. A few original pieces of hardware which remain appear to be stylistically appropriate for the years 1902 to 1915. It is recommended that shelving and hooks be replaced as needed to exhibit those items known to have been in the Boathouse during the Life-Saving Service years. Black painted metal brackets supporting wooden shelves and hooks identical to or similar to those samples located at the park should be used.

10. CORNER LOCKER.

Alternative 1: To use the corner locker as a display/storage area for the smaller items of life-saving equipment kept in the Boathouse as spare parts, to include:

1 powder box

1 haversack

1 marlin spike

2 quoins

1 rammer and sponge

1 sponge cover

2 vent gimlets

2 vent punchs

1 wiping rod and worm

2 tally boards No. 1

2 tally boards No. 2

2 printed instructions on cloth for tally boards on hawser and whip lines

Cartridge bags

2 priming wires

Friction primers

1 powder measure

6 water measure

6 water lights

1 calcium light

2 1/2 dozen Thole pins

1 powder flask

1 combination level

6 Coston signal cases, and 3 Coston signals and 3 Coston signal holders

1 time detector, Imhauser's Watchman's latest improved in leather case, one key, and one dial

1 heaving stick and line

1 hawser cutter

Location: Corner locker shelves. Depending upon space, the Coston signal cases could be placed on the shelf between the cabinet and window on the west wall.

See "List of Articles of Outfit" numbers 421, 461, 795 (?), 791, 793, 794, 767, 771, 790, the Miscellaneous section and Log Book

entries May 4, 1907, May 11, 1907, February 27, 1909, June 23, 1910, April 27, 1910, May 25, 1912, May 19, 1914. It seems likely that the corner locker would have been used to store the smaller sized supplies such as the extra equipment for firing the Lyle gun, and other life-saving apparatus for the beach cart which was not kept in the beach cart. Also see Cliff Deering Interview, pp. 48-49. Mr. Deering remembered the equipment for firing the Lyle gun being kept in the cabinet. A time detector and three Coston signals are recommended for exhibit here because they were items carried by the surfmen, along with a lantern, while on patrol.

The following items from the Sleeping Bear Dunes National Lakeshore collections could be used on display here:

Hawser cutter (SLBE catalog no. 284)

3 Coston signals and holders (no numbers)

Powder box (reproduction)

Haversack (reproduction)

1 wiping rod and worm (SLBE catalog no. 280)

1 quoin (no number)

1 firing pin and lanyard (SLBE catalog no. 107)

1 firing mechanism (SLBE catalog no. 468)

3 signal cases (no numbers)

The remaining items to be acquired as antiques. The corner locker also needs restoration work and a glass or plexiglas panel should be installed in front of the shelves with the doors exhibited in an open position.

Alternative 2: Display corner locker closed, without any equipment.

West Wall, Boathouse:

All items within visitor reach should be unobtrusively secured to the wall.

11. SHELVING.

One wooden shelf on three black painted metal brackets. Another shelf was located under the north window on the west side; however, its replacement is not recommended as it will not be visible to the visitor and there are not enough original artifacts to be placed on it.

See shadows on the wall. Part of an original metal bracket is located in the Keeper's Quarters in the station house.

To be acquired as a reproduction.

12. HOOKS, nine (9).

Nine black painted double hooks, as per sample located in the Sleeping Bear Point Boathouse.

Location: Four beneath the shelf and south window arranged in a rectangular; see shadows on the wall. Two arranged beneath the other, below the north end of the center oar rack; see shadows on the wall. Three in a row beneath the north end oar rack; see shadows on the wall.

13. BOAT HOOKS, two (2), heavy, pointed, or double hooks and ball points, galvanized wrought iron, 9-foot staves.

Location: To be placed horizontally between the hooks beneath the shelf and window.

See "List of Articles of Outfit" #401 and Log Book entry for May 11, 1907.

To be acquired as antique or reproduction.

14. PATROL LANTERNS, four (4), tubular, "Dietz," No. 0, reflector with hooks.

Location: On the shelf.

See "List of Articles of Outfit" #234 and Log Book entries for May 4, 1908 and May 19, 1914, and Fig. 10. The original location of the patrol lanterns was on a shelf on the south wall. Because of security and accessibility to the visitor, it is recommended that at this time these lanterns be placed on a shelf on the west wall.

Sleeping Bear catalog numbers 147, 127, 144, 136, or 225 would be appropriate.

15. WATER LIGHTS, two (2)-four (4).

Location: On the shelf.

See Log Book entries for February 27, 1909 and June 23, 1910. The Log Books record receiving six water lights in all. One water light was standard boat equipment, therefore, at the most, four spare water lights would have been stored.

Sleeping Bear catalog number 329 is appropriate. One to three need to be acquired as antiques or reproductions.

16. MEGAPHONES, two (2).

Location: On the shelf between the window and southwest corner.

See "List of Articles of Outfit," Miscellaneous section (not numbered) and Figs. 9 and 10. These items were originally on the shelf on the south wall. Their placement on the shelf on the west wall is recommended because of visitor accessibility.

To be acquired as antiques or reproductions.

17. OIL CAN AND FUNNEL.

Location: On the shelf between the window and southwest corner.

See "List of Articles of Outfit," #98 and #99, #297 and #300, and Figs. 9 and 10.

To be acquired as antiques or reproductions.

18. BOAT HATCHETS, two (2).

Location: On the hooks beneath the center oar rack.

See "List of Articles of Outfit," #709-#712. Six hatchets were ordered for Sleeping Bear Point. Two hatchets per boat were stored in the boats, therefore, leaving two to be stored in the Boathouse.

To be acquired as reproductions.

19. MANILA OR HEMP ROPE, coils, of different sizes, three (3).

Location: Looped over the 3 hooks beneath the oar rack near the north end.

See "List of Articles of Outfit," #39-#56.

To be acquired as reproductions.

20. OARS, three (3) or more, 12-foot, SWEEP, one, 22-foot.

Location: In the oar racks and hooks.

See "List of Articles of Outfit," #433, #434, #439-#440, and Log Book entries for November 5, 1906, May 11, 1907, and May 24, 1912. Between 1902 and 1912, the records indicate that Sleeping Bear Point Life-Saving Station received 42 oars and 5 sweeps. Ten oars (including sweeps) were stored in each boat, including the boat in Boathouse No. 2. Eight of these oars were not acquired until 1912 when they were sent with the power boat. Therefore, according to the available records, during the early years of the Life-Saving Service operation of Sleeping Bear, there were 36 oars and 12 sweeps.

Oars appropriate for use are located at Sleeping Bear Dunes National Lakeshore; however, they all need new leathers.

North Wall:

21. ROPE, Manila or hemp, and block.

Location: Looped over the original hook over the door in the northwest corner.

See "List of Articles of Outfit," #39-#56 and #11-#21. This hook may have been used in hoisting up the lifecar, which fact should be determined at the time of installation.

To be acquired as a reproduction.

East Wall:

All items within visitor reach should be unobtrusively secured to the wall.

22. SHELVING, two (2) wooden shelves approximately 8' long supported by eight (8) 12" black painted metal brackets.

Location: Between the windows and between the window and southeast corner, approximately 5 1/2' from the floor.

See shadows on the wall and part of an original metal bracket is located in the Keeper's Quarters in the station house. Figures 9 and 10 show the shelf between the window and the southeast corner.

To be acquired as reproductions.

23. HOOKS AND PEGS, twenty-six (26) metal black painted hooks and four (4) wooden pegs.

Location: The four wooden pegs are still in tact (one needs to be replaced) under the shelf at the south end of the wall. The metal hooks run in vertical groups of 3, 2, 1, 4, 4, 2, 2, 2, 3, and 3 spaced along the wall under the shelves and windows from south to north; see shadows on the wall for exact placement.

See shadows on the wall. One original hook is located in the northeast corner of the boathouse. Original pegs are located between the window and south corner of the boathouse.

To be acquired as reproductions.

24. OARS, five (5), to be 13-foot oars.

Location: On the oar racks.

See "List of Articles of Outfit," #433, #434, and Log Book entries for November 5, 1906, May 11, 1907, and May 24, 1912, and see Fig. 2 which shows five oars in the rack.

Oars appropriate for use are now located at Sleeping Bear Dunes National Lakeshore; however, they need new leathers.

25. MANILA OR HEMP ROPE, coils, of different sizes, three (3).

Location: Looped on the 3 hooks at north end of the oar rack.

See "List of Articles of Outfit," #39-#56.

To be acquired as reproductions.

26. FENDERS, cork, for two (2) boats or cork fenders for one (1) boat and two (2) masts with sails.

Location: To be hung horizontally across six rows of hooks beneath the windows and the middle shelf, one mast to be stored in the rafters.

See "List of Articles of Outfit," #765. The 1902 Beebe-McLellan surfboat was sent with two cork fenders (see June 30, 1902 Log Book); the 1906 Beebe-McLellan surfboat was sent with two cork fenders (see the November 5, 1906 Log Book); and the power surfboat was also sent with fenders (see the May 24, 1912 Log Book). The Log Books record cork fenders being received at Sleeping Bear Point, on September 30, 1902, and October 2, 1902. Fig. 2 shows what appears to be either cork fenders or masts and sails stored horizontally along the east wall. William Wilkinson, Director of the Mariner's Museum, and an authority on the Life-Saving Service feels that boat masts would not have been stored in the boats because the masts were seldom used and would have added unnecessary weight.

Fenders and masts to be acquired as reproductions.

27. BLOCKS, assorted, or ROPE, manila, three (3) items.

Location: Looped over three small hooks under the north window on the east wall.

See "List of Articles of Outfit," #39-#56 and #11-#21.

To be acquired as reproductions.

28. HAWSER, (heavy manila rope 1" in diameter), either 150 fathoms or 235 fathoms.

Location: Coiled and hung on the hooks beneath the south window on the east wall.

See "List of Articles of Outfit," #393 and #34. Three more were received at Sleeping Bear Point May 11, 1907, according to the Log Books.

To be acquired as a reproduction.

29. CROTCH, SAND ANCHOR, AND SAND ANCHOR PENDANT.

Location: Crotch to be stored horizontally across three hooks beneath south window and shelf on east wall. Sand anchor and sand anchor pendant to be stored on a hook beneath the window.

See "List of Articles of Outfit," #763, #788, and #789. Two of each of these items were issued for Sleeping Bear Point. One of each would have been stored in the beach apparatus cart and one of each in the Boathouse. Another sand anchor pendant was received at Sleeping Bear Point May 25, 1912, according to the Log Books.

Sleeping Bear catalog nos. 348 and 425 are appropriate for use.

30. SHOVELS, two (2).

Location: On the hook beneath the south window on the east wall.

See "List of Articles of Outfit," #738, #739, and #740. Two were kept in the beach cart and two additional ones would have very likely been stored in the Boathouse since most stations had two sets of all the beach apparatus cart equipment, according to Sumner Kimball in his book on the Organization and Methods of the United States Life-Saving Service (Washington, 1884 and 1912).[10]

To be acquired as reproductions. Reproductions are recommended as these items will be within visitor reach.

31. BREECHES BUOY, with slings.

Location: On the pegs or hooks beneath the shelf at the south end of the east wall.

See "List of Articles of Outfit," #753. Two were originally issued the Sleeping Bear Point Station. One was kept in the beach apparatus cart and the other most likely stored in the Boathouse.

Sleeping Bear catalog number is appropriate for use.

32. LEATHER RIGGING, one (1) or two (2) sets, one (1) 12 lbs. and one (1) 10 lbs.

Location: On the hooks beneath the shelf at the south end of the east wall.

See "List of Articles of Outfit," #419 and May 9, 1905 Log Book entry.

To be acquired as reproductions.

33. BOAT ANCHOR, iron with a long shank, weighing 100 lbs.

Location: On the two pegs at the south end of the east wall

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10. Kimball, Organization and Methods, p. 9.

under the shelf. A portion of an anchor appears in this position in Fig. 5 and Fig. 9. To be secured to the wall.

See "List of Articles of Outfit," #385 and historic photograph, Fig. 5.

Sleeping Bear catalog number 344 or accession number 9 would be appropriate.

34. FAKING BOXES, painted blue, four (4).

Location: Three on the shelf in the southwest corner of Boathouse, and one on the shelf between the windows on the west wall. See Cliff Deering Interview, pp. 48-49. He remembered faking boxes in the southeast corner.

See "List of Articles of Outfit," Miscellaneous section (not numbered) and see Figs. 9 and 10. Seven boxes were originally issued to the station. Three were kept in the beach apparatus cart. These four boxes would have contained one shot line no. 4, two no. 7's, and one no. 9. Several of the faking boxes now located at the Sleeping Bear Dunes National Lakeshore Park were originally painted blue. Since blue paint was available at the Sleeping Bear Point Station (see Log Book entries for May 11, 1907, May 9, 1905, and April 8, 1910), it is recommended that all the faking boxes on display be painted blue.

To be acquired as reproductions. Since these boxes will be within the public reach, they should be reproductions. Three could be shells, painted blue but it is recommended that one be a complete faking box for use in interpretive demonstrations.

35. TARPAULINS, of cotton canvas, folded, (one 10' x 10', the other 12' x 12'), two (2).

Location: One folded on the shelf between the windows and one folded and placed beneath the beach cart as if it had just been removed.

See "List of Articles of Outfit," #458 and #459.

To be acquired as reproductions.

36. BUCKETS, black rubber, two (2), 3-gallon size, metal parts of galvanized iron.

Location: On the shelf between the windows, to be firmly secured to the shelf.

See "List of Articles of Outfit," #406.

To be acquired as reproductions.

South Wall:

37. LYLE GUN AND GUN CARRIAGE, one (1) each.

Location: In the southwest corner of Boathouse on the floor. This location is recommended so that the gun will be visible to the public, since the one in the beach cart cannot be readily seen.

See "List of Articles of Outfit," Miscellaneous section (not numbered). Two guns and two carriages were issued to the station. One gun and carriage were kept in the beach cart and the other in the Boathouse. Also see Fig. 5 which shows a gun, a carriage, breeches buoy, and a speaking trumpet.

One of the Lyle guns and carriages now located at the Sleeping Bear Dunes National Lakeshore would be appropriate.

38. SHELF, small with black metal support; see shadows on wall.

Location: Secured to the wall between the doorways on the south wall.

See shadows on wall and Figs. 9 and 10.

To be acquired as a reproduction.

39. PIGEONHOLES, wooden, thirty-six (36)-forty-two (42).

Location: On the south wall approximately 2' above the shelf.

See Fig. 10.

To be acquired as a reproduction. These pigeonholes should be filled with rolled paper or rolled rags.

40. PROJECTILES, iron, six (6).

Location: To be hung on the small hooks beneath shelf on south wall, and to be firmly secured.

See marks on south wall which indicate that something the size of a projectile was hung there. See "List of Articles of Outfit," Miscellaneous section and Log Book entries for October 2, 1902, May 11, 1907, and May 19, 1914. See also Fig. 9.

Projectiles now located at Sleeping Bear Dunes National Lakeshore are appropriate for use.

41. LIFEBELTS, cork, Abbey pattern, size 38, 40, and 44 inches, thirteen (13), rope and block as needed for hanging.

Location: Hoisted up to rafters using the hook at rafter height and the pulley below.

See "List of Articles of Outfit," #777, #778, and #779 and Log Book entry for July 17, 1902. Forty-three lifebelts were originally issued to Sleeping Bear Point Station. (The July 17 lifebelt may have been a replacement and therefore is not included in the total number.) Sixteen of them would have been kept in each boat; leaving thirteen to be stored.

To be acquired as antiques or reproductions.

42. SIGNAL FLAGS, one (1) set to include one (1) International Code of Signals set, one (1) red signal flag (2'9" x 2'6"), one (1) white signal flag (2'9" x 2'6"), one star pennant (14'8" x 5'), and one (1) National Ensign (12' x 6 1/3').

Location: Flying on the flagpole or in storage when not in use, possibly stored in pigeonholes on the south wall.

See "Equipment as Noted in Letters Received," (June 13, 1902), and "Flags" in the "List of Articles of Outfit."

To be acquired as reproductions.

43. LADDER, one (1) wooden ladder.

Location: Rafters.

See Fig. 10.

To be acquired as an antique if possible.

Cost Estimates

Crew's Quarters

	Object	Cost	Total
1.	6 Iron beds	$ 3,000.	
2.	4-22 Window shades [Shades are not recommended for the first floor exhibit rooms.]	400.	
3.	24 Wall hooks	150.	
4.	Wall shelf and japanned iron brackets	100.	
5.	7 Mattresses	700.	
6.	16 Sheets (2 to be brown)	150.	
7.	7 Feather pillows	150.	
8.	8 White pillowcases	50.	
9.	8 Gray blankets	250.	
10.	7 White bedspreads	200.	
11.	1 Kerosene hand lamp	250.	
12.	Already mentioned in #4, #6, #7	---	
13.	Crash toweling	50.	
14.	3 Books	200.	
15.	Razor, strap, comb, and pocket knife	150.	
16.	Summer uniform	250.	
17.	Winter uniform	500.	

	Object	Cost	Total
18.	Shoes	$ 60.	
19.	Barriers: Plexiglas barrier for closet	100.	
	Optional: Rope barriers for Crew's Quarters	200.	$ 6,260.

Boathouse

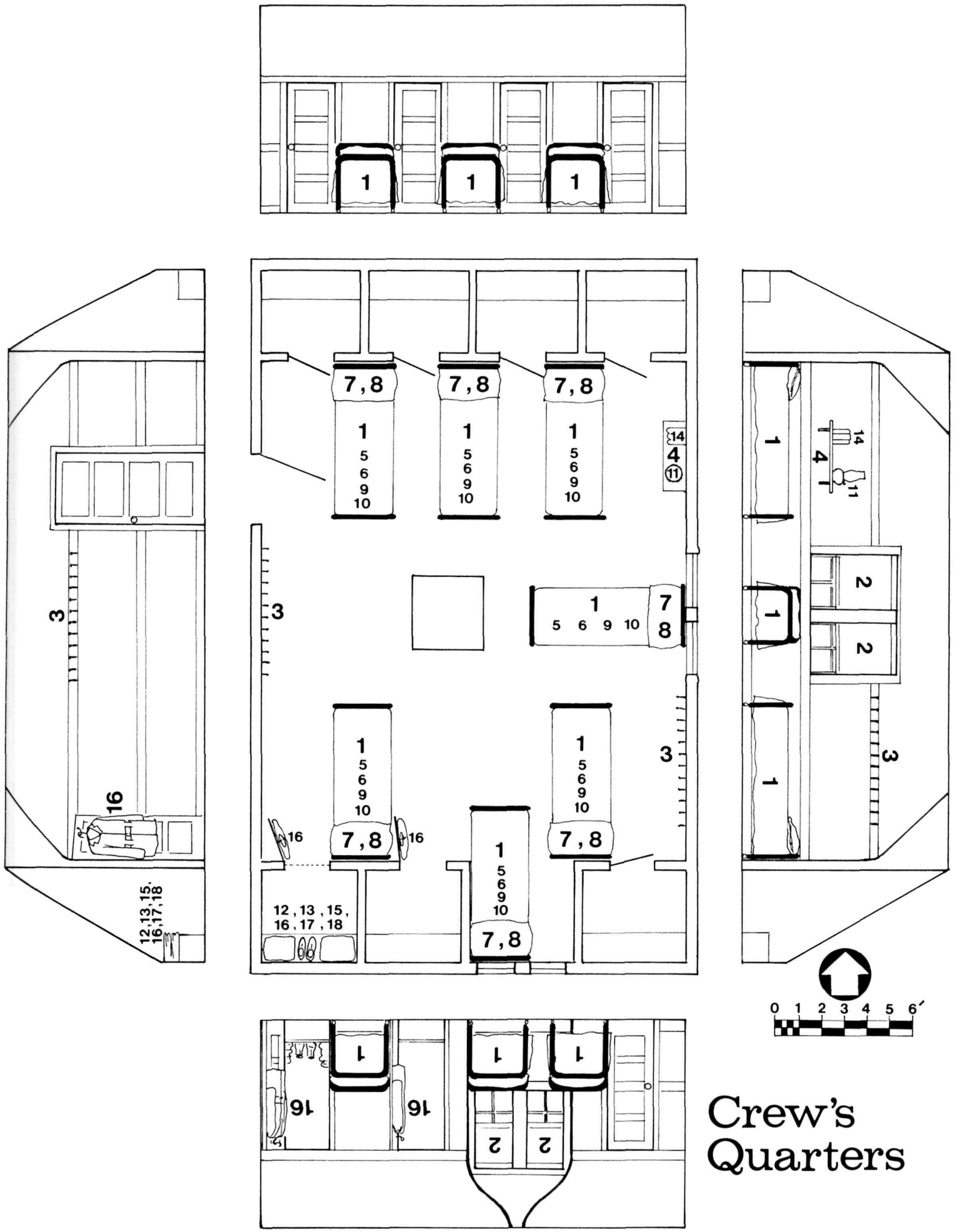
1.	Beebe-McLellan surfboat	35,000.
2.	Beebe-McLellan equipment	1,500.
3.	Monomoy surfboat	2,000.
4.	Monomoy fittings	1,000.
5.	Surfboat wagon	8,000.
6.	Launching carriage	Park
7.	Lifecar [Currently on loan to Park]	
8.	Handcart (paint and reel)	50.
9.	Beach cart equipment	Park & 500.
10.	Furnishings for corner locker	1,000.
11.	Wooden shelf and brackets	150.
12.	9 Black painted hooks	200.
13.	2 boat hooks	100.
14.	Patrol lanterns	Park
15.	2-4 Water lights	400.
16.	2 Megaphones	60.

	Object	Cost	Total
17.	Oil can and funnel	$ 70.	
18.	2 Boat hatchets	70.	
19.	3 Coils rope	150.	
20.	3 Oars	Park	
21.	Manila rope and block	150.	
22.	2 Shelves and 8 brackets	200.	
23.	26 Metal hooks and 1 wooden peg	150.	
24.	5 Oars	250.	
25.	3 Coils of rope	150.	
26.	Cork fenders	1,000.	
27.	Blocks and rope	150.	
28.	Hawser	300.	
29.	Crotch, sand anchor, sand anchor pendant	Park	
30.	2 Shovels	70.	
31.	Breeches buoy	Park	
32.	Leather rigging	300.	
33.	Anchor	Park	
34.	4 Faking boxes	200.	
35.	2 Tarpaulins, cotton canvas	120.	
36.	2 Black rubber buckets	35.	
37.	Lyle gun and carriage	Park	

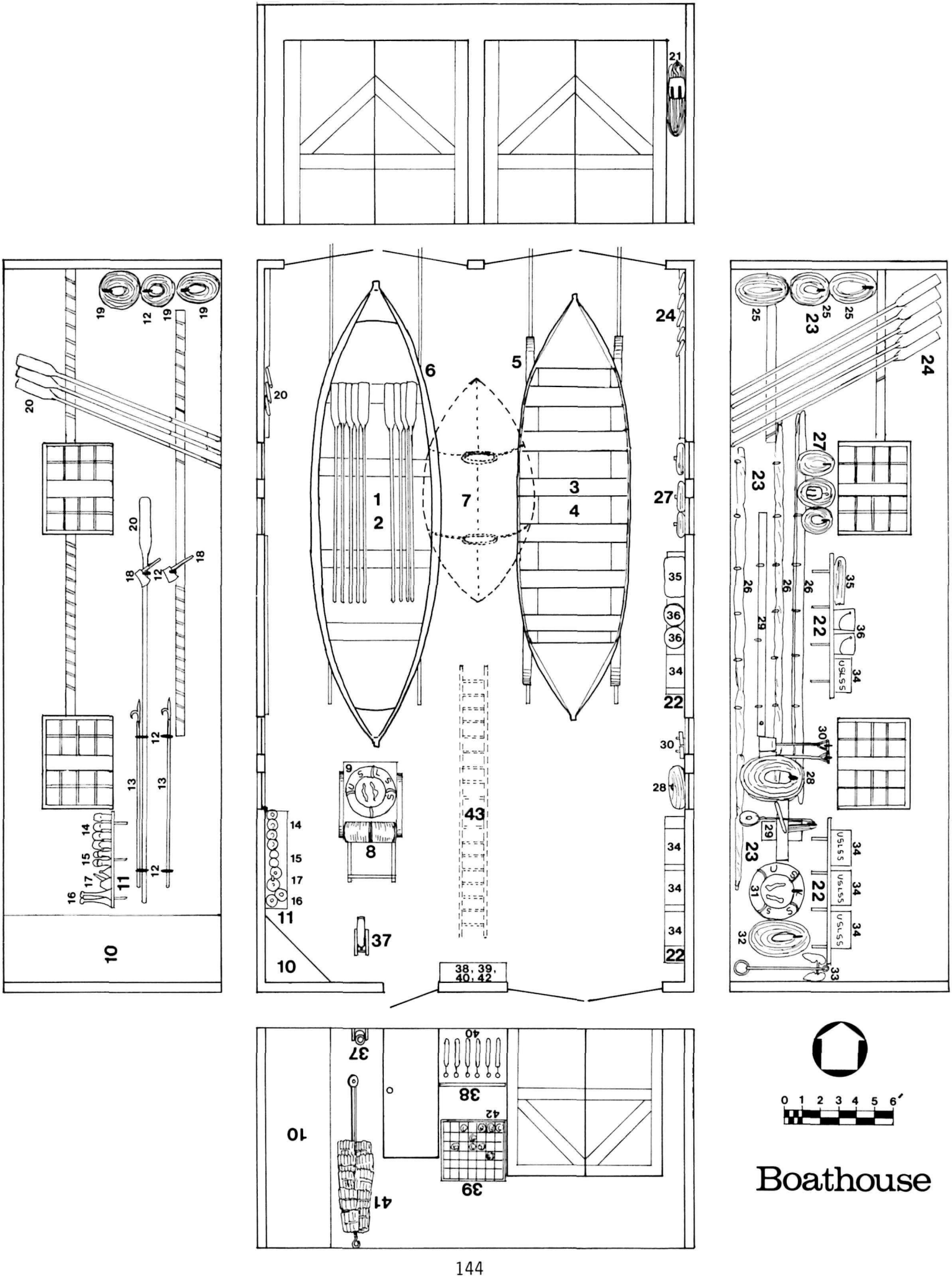
	Object	Cost	Total
38.	Shelf and 1 support	$ 50.	
39.	Pigeonholes	100.	
40.	6 Projectiles	Park	
41.	13 Cork lifeboats	3,900.	
42.	Signal flags, to include one International set, one red signal flag, one white signal flag, one star pennant, and one National Ensign	800.	
43.	Ladder	200.	$57,575.
44.	Optional: Glass store front barrier		$ 5,000.
	or Rope barriers; and		$ 300.
	Intrusion alarm system		$ 900.

Floor Plans and Elevations[11]

11. The numbers noted on the plans and elevations are keyed to the numbers in the text in the section on Recommended Furnishings and to the list of Recommended Furnishings with Cost Estimates.



Crew's Quarters


21
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0 1 2 3 4 5 6′
Boathouse

A P P E N D I C E S

APPENDIX I.

From U.S. Life-Saving Service, Log Books 1902-1915, Sleeping Bear Point Station, Record Group 26, Washington National Records Center, Washington, D.C.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light	Light.
Moderate	Moderate X	Moderate X	Moderate X
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Saturday, April 12 th, 1902

Direction and force of wind, and state of weather at midnight,

Direction and force of wind, and state of weather at sunrise, N W Fresh Cloudy Rain.

Direction and force of wind, and state of weather at noon, N. W. Fresh Cloudy.

Direction and force of wind, and state of weather at sunset, N. W. Fresh Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, ; Noon, ; Sunset,

Thermometer—Midnight, ; Sunrise, ; Noon, ; Sunset,

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met	, from	Station.
, midnight to 4 a. m., met	, "	"
, 4 a. m. to sunrise, met	, "	"
, 4 a. m. to sunrise, met	, "	"
, sunset to 8 p. m., met	, "	"
, sunset to 8 p. m., met	, "	"
, 8 p. m. to midnight, met	, "	"
, 8 p. m. to midnight, met	, "	"

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition?

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?

Was anyone absent on twenty-four hours' leave, if so, who?

Was anyone absent for other cause, if so, who, and why?

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships. barks, brigs, schooners, steamers, 9 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

received on the 12 th of April one Annual report book of 1901.

William Walker.

Keeper.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth X	Smooth X	Smooth X
Light	Light	Light	Light
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Tuesday, April 15 ~~th~~, 1902

Direction and force of wind, and state of weather at midnight, ~~Unknown~~

Direction and force of wind, and state of weather at sunrise, S. Light Clear.

Direction and force of wind, and state of weather at noon, S.W. Light Cloudy.

Direction and force of wind, and state of weather at sunset, S. Light Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, ; Noon, ; Sunset,

Thermometer—Midnight, ; Sunrise, ; Noon, ; Sunset,

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met	, from	Station.
, midnight to 4 a. m., met	, "	"
, 4 a. m. to sunrise, met	, "	"
, 4 a. m. to sunrise, met	, "	"
, sunset to 8 p. m., met	, "	"
, sunset to 8 p. m., met	, "	"
, 8 p. m. to midnight, met	, "	"
, 8 p. m. to midnight, met	, "	"

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition?

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?

Was anyone absent on twenty-four hours' leave, if so, who?

Was anyone absent for other cause, if so, who, and why?

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 9 steamers, 9 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

William Walker.
Keeper.

CONDITION OF THE SURF.			
MIDNIGHT.	SUNRISE.	NOON.	SUNSET.
Smooth	Smooth	Smooth	Smooth
Light	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Thursday, April 24th 1902

Direction and force of wind, and state of weather at midnight,

Direction and force of wind, and state of weather at sunrise, N.W. Light Cloudy

Direction and force of wind, and state of weather at noon, N.W. Light Clear.

Direction and force of wind, and state of weather at sunset, W Light Cloudy

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, ; Noon, ; Sunset,

Thermometer—Midnight, ; Sunrise, ; Noon, ; Sunset,

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met	, from	Station.
, midnight to 4 a. m., met	, "	"
, 4 a. m. to sunrise, met	, "	"
, 4 a. m. to sunrise, met	, "	"
, sunset to 8 p. m., met	, "	"
, sunset to 8 p. m., met	, "	"
, 8 p. m. to midnight, met	, "	"
, 8 p. m. to midnight, met	"	"

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition?

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?

Was anyone absent on twenty-four hours' leave, if so, who?

Was anyone absent for other cause, if so, who, and why?

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 5 steamers, 19 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

William Walker
Keeper.

CONDITION OF THE SURF.

Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light	Light
Moderate	Moderate X	Moderate X	Moderate X
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Monday, June 9, 1902

Direction and force of wind, and state of weather at midnight,

Direction and force of wind, and state of weather at sunrise,
S. W. Fresh Cloudy.

Direction and force of wind, and state of weather at noon.
S. W. Fresh Cloudy.

Direction and force of wind, and state of weather at sunset.
S. W. Fresh Cloudy Rain.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, 29.58 ; Noon, 29.55 ; Sunset, 29.58

Thermometer—Midnight, ; Sunrise, 55 ; Noon, 62 ; Sunset, 62

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met , from Station.
, midnight to 4 a. m., met , " "
, 4 a. m. to sunrise, met , " "
, 4 a. m. to sunrise, met , " "
, sunset to 8 p. m., met , " "
, sunset to 8 p. m., met , " "
, 8 p. m. to midnight, met , " "
, 8 p. m. to midnight, met , " "

Is the house thoroughly clean? yes sir.
Is the house in good repair? yes sir.
Is the apparatus in good condition?
Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?
Was anyone absent on twenty-four hours' leave, if so, who?
Was anyone absent for other cause, if so, who, and why?
Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 7 steamers, 14 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

From New York store house

Receipted the following Articles. 2 stone jugs. 5 lbs Nails 2 brass spanners for two inch hose. 3 doz Burners lanters. 1 oil tank. 6 pails fire cone bottom. 1 Tarpaulin 12x12 2 Dippers tin. 1 Pan bake oblong. 1 Pan pudding. 4 ax handles 32 inch long. 1 ax handle 36 inch long. 2 Hatchets broad Boat. 1 Hatchet Cave Boat. 1 Barometer. 1 field Glass. 3 Heaving sticks. 2 Key rakes. 1 life car. 4 doz signals coston patrol. 6 signal holder coston improved. 3 tally Boards No 1. 3 tally Board No 2 one Telescope. 2 time detectors. 8 Keys each. and 1 Box of dials each. one International code of signals and one International code of tin one National Ensign. one star pennant. 2 Combination levels. 500 Friction primers. 2 Gun Tyler two Gun Carriages. two Haversacks. 2 Lanyards. one Powder Measure 1 ounce one Powder Measure 2 ounce. 2 priming Wires. 11 projectiles. 2 gunners. 2 Rammers and Sponge. 2 Sponge covers. 2 Vent Gimlets. 2 vent Punches 2 waist Belts. 2 Wiping Rods and worms. one Hawser cutter. 2 Shot lines No 4. 2 Shot lines No 4. 3 Shot lines No 7. 6 signal cases tin. 2 Torches and staffs. 2 Megophones. 2 staffs for genral service flags. 2 Red flags 4 feet Square. 2 flags White 4 feet Square 5 mufflers. 1 Cartridge case copper. 3 Taking boxes size A. 4 taking Boxes size B. 1 Fire Extinguisher and three charges

William Walker.
Keeper.

CONDITION OF THE SURF.

Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Monday, June 30, 1902

Direction and force of wind, and state of weather at midnight,

Direction and force of wind, and state of weather at sunrise, N.E. Light Cloudy Rain

Direction and force of wind, and state of weather at noon, N.W. Light Cloudy.

Direction and force of wind, and state of weather at sunset, W.S.W. Light Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, 29-69 ; Noon, 29-69 ; Sunset, 29-69

Thermometer—Midnight, ; Sunrise, 54 ; Noon, 60 ; Sunset, 65

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met	, from	Station.
, midnight to 4 a. m., met	, "	"
, 4 a. m. to sunrise, met	, "	"
, 4 a. m. to sunrise, met	, "	"
, sunset to 8 p. m., met	, "	"
, sunset to 8 p. m., met	, "	"
, 8 p. m. to midnight, met	, "	"
, 8 p. m. to midnight, met	, "	"

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition?

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?

Was anyone absent on twenty-four hours' leave, if so, who?

Was anyone absent for other cause, if so, who, and why?

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 9 steamers, 15 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received one Beebe Mc. lellan Surfboat and Equipment Consisting of. 2 Cork fenders. 1 Hasp. 6 Righting lines with wooden float Mast spruce. 2 sprits spruce. 2 Straps rope for sprits 2 Blocks single inch gun metal. 11 Mast hoops galvanized iron. 1 Withe gun metal. 2 Shrouds 1 Sail sprit. 1 jib Halyards for sprit and jib. 1 Cover for sail sheets double for both sails. 1 Anchor 30 lbs galvanized with 20 fathoms 1/2 inch Manila 2 Belaying Pins Brass for halyards. 1 Pin brass for mast hasp. 24 Tholepins. wood. 10 Rowlocks gunmetal. 2 Pump Spears Wrench wooden for manhole cover. and one 23 ft Monomoy Surfboat with Equipment Consisting of 1 Mast 15-1/2 feet. 2 Sprits one 14 and one feet long. 11 Mast hoops galvanized. 2 Blocks galvanized with hook for halyards. 10 rowlocks. 1 jib. 1 Mainsail and rigging for sain. and one surfboat Wagon.

With the Assistant of. Keeper Lofberg I got the surfboats from Glen Haven and Stored them in the Boat house to day

William Walker.

Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth X
Light	Light X	Light X	Light .....
Moderate	Moderate	Moderate	Moderate .....
Strong	Strong	Strong	Strong .....
Rough	Rough	Rough	Rough .....
High	High	High	High .....
Very high	Very high	Very high	Very high .....

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Thursday, July 17, 1902

Direction and force of wind, and state of weather at midnight,

Direction and force of wind, and state of weather at sunrise, S.W. Light Cloudy.

Direction and force of wind, and state of weather at noon, S.W. Light Cloudy.

Direction and force of wind, and state of weather at sunset, S.W. Light Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, 29.63 ; Noon, 29.63 ; Sunset, 29.63

Thermometer—Midnight, ; Sunrise, 68 ; Noon, 73 ; Sunset, 73

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met , from Station.
, midnight to 4 a. m., met , " "
, 4 a. m. to sunrise, met , " "
, 4 a. m. to sunrise, met , " "
, sunset to 8 p. m., met , " "
, sunset to 8 p. m., met , " "
, 8 p. m. to midnight, met , " "
, 8 p. m. to midnight, met " "

Is the house thoroughly clean? yes sir.
Is the house in good repair? yes sir.
Is the apparatus in good condition?
Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?
Was anyone absent on twenty-four hours' leave, if so, who?
Was anyone absent for other cause, if so, who, and why?
Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 14 steamers, 17 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received one Life Belt.

William Walker.
Keeper.

CONDITION OF THE SURF.

Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth X
Light	Light X	Light X	Light
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Monday, July 28, 1902

Direction and force of wind, and state of weather at midnight,

Direction and force of wind, and state of weather at sunrise, S. Light Cloudy.

Direction and force of wind, and state of weather at noon, S. Light Clear.

Direction and force of wind, and state of weather at sunset. S. Light Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, 29.61 ; Noon, 29.61 ; Sunset, 29.63

Thermometer—Midnight, ; Sunrise, 70 ; Noon, 75 ; Sunset, 72

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

midnight to 4 a. m., met	from	Station.
midnight to 4 a. m., met	"	"
4 a. m. to sunrise, met	"	"
4 a. m. to sunrise, met	"	"
sunset to 8 p. m., met	"	"
sunset to 8 p. m., met	"	"
8 p. m. to midnight, met	"	"
8 p. m. to midnight, met	"	"

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition?

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?

Was anyone absent on twenty-four hours' leave, if so, who?

Was anyone absent for other cause, if so, who, and why?

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 10 steamers, 14 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

1 international code Book. 2 Books of Regulations. 9 Books of instructions to Mariners in case of Ship wreck. 7 Books of Directions for Restoring the Apparently Drowned. 1 Book Official Register. 7 Circular of quarantine Regulations. 10 Circular relating to Boating fishing Hunting Etc. 4 Circular relating to pay of Surfmen. Articles of Engagement for surfmen. 10 Medical Certificate for reps. 10 Reports of change in Crew 51 gallons of kerosene oil.

William Walker

Keeper.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth X	Smooth X	Smooth	Smooth
Light	Light	Light	Light
Moderate	Moderate	Moderate X	Moderate
Strong	Strong	Strong	Strong X
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Tuesday, September 30, 1902

Direction and force of wind, and state of weather at midnight, E. Light Cloudy. fog.

Direction and force of wind, and state of weather at sunrise, E. Light Cloudy. fog.

Direction and force of wind, and state of weather at noon, N. Fresh Cloudy.

Direction and force of wind, and state of weather at sunset, N. Fresh Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29 60 ; Sunrise, 29 60 ; Noon, 29 64 ; Sunset, 29 60

Thermometer—Midnight, 65 ; Sunrise, 67 ; Noon, 5-4 ; Sunset, 5-0

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Lookout

PATROL.

George W. Maclain, 8 p.m. to 4 a.m., met Robert C. Smith from 4 p.m. to 8 p.m. Station.
Jessie L. Bell. 12 p.m. to 4 a.m., met Herman W. Allen. 8 p.m. to 12 p.m.
Robert C. Smith. 4 a.m. to 8 a.m., met Charles Robinson 8 p.m. to 12 p.m.
Herman W. Allen. 4 a.m. to sunrise, met Patrol " "
Charles Robinson. 8 a.m. to 12 p.m., met Jessie L Bell. 12 p.m. to 2 a.m. West.
John Duggans. 8 a.m. to 12 p.m., met George W. Maclain. 2 a.m. to 4 a.m. East.
George W. Maclain. 12 p.m. to 2 p.m., met Charles Robinson. 8 p.m. to 10 p.m. West.
Jessie L. Bell. 4 p.m. to 8 p.m., met Herman W. Allen 10 p.m. to 12 p.m. East.

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition? yes sir.

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? No Sir.

Was anyone absent on twenty-four hours' leave, if so, who? No Sir.

Was anyone absent for other cause, if so, who, and why? No Sir.

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 2 steamers, 23 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

drill with Surfboat in Surf.

Received one writeing Desk and two cork fenders

Jessie L Bell missed the West Patrol Post at 1. a.m. and did not find it until 1.55 a.m. in a fog.

William Walker.
Keeper.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth X	Smooth	Smooth	Smooth X
Light	Light X	Light X	Light
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Thursday, October 2, 1902.

Direction and force of wind, and state of weather at midnight, W Light- Clear.

Direction and force of wind, and state of weather at sunrise, N.W. Light- Cloudy.

Direction and force of wind, and state of weather at noon, N. Fresh Cloudy.

Direction and force of wind, and state of weather at sunset, S. Light- Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 2965- ; Sunrise, 2965- ; Noon, 2968 ; Sunset, 2967

Thermometer—Midnight, 51 ; Sunrise, 50 ; Noon, 58 ; Sunset, 56

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Lookout.

PATROL.

Charles Robinson. 12 p.m. to 4 a.m., midnight to 4 a. m., met George W. Maclain from 4 a.m. to 8 p.m. Station.
John Dwiggans. 12 p.m. to 4 a.m., midnight to 4 a. m., met Lessie L. Bell. 8 p.m. to 12 p.m.
George W. Maclain. 4 a.m. to 8 a.m., 4 a. m. to sunrise, met Robert C. Smith. 8 p.m. to 12 p.m.
Lessie L. Bell. 4 a.m. to 8 a.m., 4 a. m. to sunrise, met Patrols. " "
Robert C. Smith. 8 a.m. sunset to 8 p.m., sunset to 8 p. m., met John Dwiggans. 12 p.m. to 2 a.m. West.
Herman W. Allen. 8 a.m. sunset to 8 p.m., sunset to 8 p. m., met Charles Robinson 2 a.m. to 4 a.m. East.
Charles Robinson. 12 p.m. to 4 p.m., 8 p. m. to midnight, met Robert C. Smith. 8 p.m. to 10 p.m. West.
John Dwiggans. 4 p.m. to 8 p.m., 8 p. m. to midnight, met Lessie L. Bell. 10 p.m. to 12 p.m. East.

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition? yes sir.

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? George W. Maclain from 9 a.m. to 2 p.m.

Was anyone absent on twenty-four hours' leave, if so, who? No Sir.

Was anyone absent for other cause, if so, who, and why? No Sir.

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 15- steamers, 24 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

drill with Beach apparatus at 8.30 am Time 6 minutes 10 seconds Elevation 15 degrees. distance of Shot from pole 93 yards. working on Surfboat and chopping wood for Station

Received one compass. 2 brackets. 1 medicine chest with medicines. 2 clocks. hanger. lever. 52 feet of fenders, 26 feet each. 4 dozen composition lacing eyes. 1 desk quartered White oak. 22 window shades. 2 flags. 2 feet square one red and one white. 1 revolving chair. 12 fathoms 6 thread steam tarred manila. 1 Projectile.

William Walker.
Keeper.

Monday, November 10, 1902

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light	Light
Moderate X	Moderate X	Moderate X	Moderate X
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Direction and force of wind, and state of weather at midnight, N. Fresh Cloudy

Direction and force of wind, and state of weather at sunrise, N.E. Fresh Cloudy

Direction and force of wind, and state of weather at noon, N.E. Fresh Cloudy

Direction and force of wind, and state of weather at sunset, N.N.E. Fresh Cloudy

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29.60 ; Sunrise, 29.62 ; Noon, 29.62 ; Sunset, 29.72

Thermometer—Midnight, 48 ; Sunrise, 96 ; Noon, 40 ; Sunset, 36

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Lookout.

PATROL.

Jesse L. Bell. 12 PM to 4 AM., midnight to 4 a. m., met Herman W. Allers from 4 PM to 8 PM. Station.

Robert C. Smith 12 PM to 4 AM., midnight to 4 a. m., met Charles Robinson 8 PM to 12 PM

Herman W. Allers. 4 AM to 8 AM, 4 a. m. to sunrise, met John Driggans. 8 PM to 12 PM. "

Charles Robinson 4 AM to 8 AM, 4 a. m. to sunrise, met Patrol. "

John Driggans 8 AM to 8 PM, sunset to 8 p. m., met Robert C. Smith 12 PM to 2 AM. West.

George W. Meaher 8 AM to 12 M., sunset to 8 p. m., met Jesse L. Bell. 2 AM to 4 AM East.

Jesse L. Bell 12 M. 8 PM to 4 PM, 8 p. m. to midnight, met John Driggans 8 PM to 12 PM West.

Robert C. Smith 4 PM to 8 PM, 8 p. m. to midnight, met Charles Robinson 10 PM to 12 PM. East.

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition? yes sir.

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? Herman W. Allers. from 9.30 AM to 4 PM

Was anyone absent on twenty-four hours' leave, if so, who? No S is.

Was anyone absent for other cause, if so, who, and why? Keeper went to Post-Office.

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 5 steamers, 17 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Curbing up well and sawing wood for Station.

Received one Book List of merchant vessels of the United States.

William Walker.

Keeper.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth .....
Light. X	Light. X	Light	Light. .....
Moderate	Moderate	Moderate. X.	Moderate X.
Strong	Strong	Strong	Strong .....
Rough	Rough	Rough	Rough .....
High	High	High	High .....
Very high	Very high	Very high	Very high .....

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Tuesday, November 11, 1902

Direction and force of wind, and state of weather at midnight,
N.E. Fresh Cloudy

Direction and force of wind, and state of weather at sunrise,
E. Fresh Cloudy

Direction and force of wind, and state of weather at noon,
S.E. Fresh Cloudy

Direction and force of wind, and state of weather at sunset,
W. Fresh Cloudy Rain

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29.72 ; Sunrise, 29.71 ; Noon, 29.63 ; Sunset, 29.60

Thermometer—Midnight, 34 ; Sunrise, 37 ; Noon, 49 ; Sunset, 46

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Lookout.

PATROL.

George W. Mastain. 12 p.m. to 4 a.m., midnight to 4 a. m., met Robert C. Smith from 4 p.m. to 8 p.m. Station.
Jesse L. Bell. 12 p.m. to 4 a.m., midnight to 4 a. m., met Herman W. Allers. 8 p.m. to 12 p.m.
Robert C. Smith. 4 a.m. to 8 a.m., 4 a. m. to sunrise, met Charles Robinson. 8 p.m. to 12 p.m.
Herman W. Allers. 4 a.m. to 8 a.m., 4 a. m. to sunrise, met Patrol. " "
Charles Robinson. 8 a.m. to 12 m., sunset to 8 p. m., met Jesse L. Bell. 12 p.m. to 2 a.m. West.
John Driggans. 8 a.m. to 12 m., sunset to 8 p. m., met George W. Mastain. 2 a.m. to 4 a.m. East.
George W. Mastain. 12 m. to 4 p.m., 8 p. m. to midnight, met Charles Robinson. 8 p.m. to 10 p.m. West.
Jesse L. Bell. 4 p.m. to 8 p.m., 8 p. m. to midnight, met Herman W. Allers. 8 p.m. to 12 p.m. East.

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition? yes sir.

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? No Sir.

Was anyone absent on twenty-four hours' leave, if so, who? No Sir.

Was anyone absent for other cause, if so, who, and why? No Sir.

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 13 steamers, 35 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

drill with Surfboat
Crew sawing wood for Station
Received one Mc. Lellan boat wagon with runners.
Crew cleaning boat wagon.

William Walker.
Keeper.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Thursday, December 4, 1902

Direction and force of wind, and state of weather at midnight,

Direction and force of wind, and state of weather at sunrise, N.E. Light- Cloudy

Direction and force of wind, and state of weather at noon, N.E. Light- Cloudy.

Direction and force of wind, and state of weather at sunset, E. Light- Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, 29.5-5 ; Noon, 29.5-5 ; Sunset, 29.5-5

Thermometer—Midnight, ; Sunrise, 27 ; Noon, 29 ; Sunset, 26

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met	, from	Station.
, midnight to 4 a. m., met	, "	"
, 4 a. m. to sunrise, met	, "	"
, 4 a. m. to sunrise, met	, "	"
, sunset to 8 p. m., met	, "	"
, sunset to 8 p. m., met	, "	"
, 8 p. m. to midnight, met	, "	"
, 8 p. m. to midnight, met	"	"

Is the house thoroughly clean? yes sir.

Is the house in good repair? yes sir.

Is the apparatus in good condition? yes sir.

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?

Was anyone absent on twenty-four hours' leave, if so, who?

Was anyone absent for other cause, if so, who, and why?

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, steamers, 9 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received one International code Book.

William Walker.
Keeper.

Wednesday, April 15, 1903

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light	Light
Moderate X	Moderate X	Moderate X	Moderate X
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

*** The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Direction and force of wind, and state of weather at midnight.
N. Fresh Cloudy. Rain

Direction and force of wind, and state of weather at sunrise.
N. Fresh Cloudy Rain.

Direction and force of wind, and state of weather at noon.
N. Fresh Cloudy

Direction and force of wind, and state of weather at sunset.
N. Fresh Clear

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29.50 ; Sunrise, 29.52 ; Noon, 29.54 ; Sunset, 29.56

Thermometer—Midnight, 39 ; Sunrise, 35 ; Noon, 41 ; Sunset, 42

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Lookout—

PATROL.

George H. Maclain. 12 PM to 2 a m., midnight to 4 a. m., met Robert C. Smith from 8 PM to 8 PM Station.
Jesse L. Bell. 2 a m to 4 a m midnight to 4 a. m., met Herman H. Allers, 8 PM to 10 PM
Robert C. Smith. 4 a m to 7 a m, 4 a. m. to sunrise, met Charles Robinson. 10 PM to 2 PM
Herman H. Allers. 7 a m to 10 a m, 4 a. m. to sunrise, met Patrole. " "
Charles Robinson. 10 a m to 12 m, sunset to 8 p. m., met Jesse L. Bell. 12 PM to 2 a m West-
Lewis L. Wiggens. 12 m to 2 PM, sunset to 8 p. m., met George H. Maclain 2 a m to 4 a m West-
George H. Maclain. 2 PM to 4 PM, 8 p. m. to midnight, met Charles Robinson. 8 PM to 10 PM West-
Jesse L. Bell. 4 PM to 6 PM, 8 p. m. to midnight, met Herman H. Allers 10 PM to 12 PM East-

Is the house thoroughly clean? Yes sir.
Is the house in good repair? Yes sir.
Is the apparatus in good condition? Yes sir.
Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? No Sir.
Was anyone absent on twenty-four hours' leave, if so, who? No Sir.
Was anyone absent for other cause, if so, who, and why? Herman H. Allers sent for mail.
Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, steamers, 7 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drill with Beach apparatus time 5 minutes. Elevation 17 degrees. distance of Shot from gale 90 yards, broke one. Projectile in Beach apparatus Drill. cause of break, striking on a stone.
Drill with Surfboat in Surf.
Drill with international code and wig wag and danger signal. one man helping Mr J. H. Robinson. Supt telephone for weather Bureau to stake out places for poles.

Received 10 yards Toweling linen. 10 lbs wire nails 6d. 10 lbs wire nail 10d 20 lbs wire nails 20d. 1 Pan dust. 1 Spanner Brass for 2 in hose. 100 square ft wire gauze copper. 6 lbs yellow sheet metal. 1 dozen chimneys 8 and 11 2 Brushes dust. 2 lbs patent Drier. 50 lbs lead white. 10 lbs Ocher yellow dry. 5 gallon can boiled linseed oil. 3 gallon hard old finish. 2 lbs Drop black paint. 1 lbs Prussian blue. 2 gallons spar varnish. 1 lbs cun vermilion. Red. 4 doz Brooms. 6 Brushes scrubbing. 2 Brushes stove. 5 yards canavas cotton. 6 mops cotton. 2 mops sticks. 2 Pail pitch 12 quarts. 10 lbs sal soda. 60 lbs soap. 1 Shovel No 3. 1 ships Bell.

William Wilkes
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light. X	Light. X	Light. X	Light.
Moderate	Moderate	Moderate	Moderate. X
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

VA ..... Saturday, Nov 21, 1903

Direction and force of wind, and state of weather at midnight, S.E. Light Cloudy

Direction and force of wind, and state of weather at sunrise, S.E. Light Cloudy

Direction and force of wind, and state of weather at noon, S.S.W. Light Cloudy

Direction and force of wind, and state of weather at sunset, S.S.W. Fresh Cloudy

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29.80 ; Sunrise, 29.80 ; Noon, 29.79 ; Sunset, 29.72

Thermometer—Midnight, 24 ; Sunrise, 93 ; Noon, 96 ; Sunset, 34

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Lookout

PATROL.

Patrick J. Mc Bauley 12 Pm to 2 am, midnight to 4 a. m., met George W. Maslain, from 6 pm to 8 Pm Station.
Charles Robinson. 2 am to 4 am, midnight to 4 a. m., met Jesse L. Bell. 8 Pm to 10 Pm "
George W. Maslain. 4 am to 6 am, 4 a. m. to sunrise, met Robert C. Smith 10 Pm to 12 Pm "
Jesse L. Bell. 7 am to 10 am, 4 a. m. to sunrise, met Patrol "
Robert C. Smith 10 am to 12 pm, sunset to 8 p. m., met Charles Robinson 8 Pm to 2 am West.
Herman W. Allen, 12 pm to 2 Pm, sunset to 8 p. m., met Patrick J. Mc Bauley 2 am to 4 am East.
Patrick J. Mc Bauley 2 am to 4 Pm, 8 p. m. to midnight, met Robert C. Smith 8 Pm to 10 Pm West.
Charles Robinson. 4 pm to 6 Pm, 8 p. m. to midnight, met Jesse L. Bell. 10 Pm to 12 Pm East.

Is the house thoroughly clean? yes.

Is the house in good repair? yes.

Is the apparatus in good condition? yes.

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? George W. Maslain from 8.30 am to 9.30 Pm

Was anyone absent on twenty-four hours' leave, if so, who? No

Was anyone absent for other cause, if so, who, and why? No

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, steamers sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Crew cleaned house.

visited West patrol post and found it in good condition

Received orders to close the Station at midnight on the 30th of Nov. 1903.

Received, 1 double and 1 single. lignum vitæ Blocks. brass sheaves. 4½ inches.

William Walker
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth X	Smooth X	Smooth X
Light	Light	Light	Light
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Thursday, Feb 4, 1904

Direction and force of wind, and state of weather at midnight,

Direction and force of wind, and state of weather at sunrise, W. Fresh Cloudy Snow

Direction and force of wind, and state of weather at noon, W. Fresh Cloudy

Direction and force of wind, and state of weather at sunset, W. Fresh Cloudy

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ; Sunrise, 29.60 ; Noon, 29.58 ; Sunset, 29.58

Thermometer—Midnight, ; Sunrise, 0.6 ; Noon, 14 ; Sunset, 14

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met , from Station.
, midnight to 4 a. m., met , " "
, 4 a. m. to sunrise, met , " "
, 4 a. m. to sunrise, met , " "
, sunset to 8 p. m., met , " "
, sunset to 8 p. m., met , " "
, 8 p. m. to midnight, met , " "
, 8 p. m. to midnight, met " "

Is the house thoroughly clean? yes.

Is the house in good repair? yes.

Is the apparatus in good condition? yes

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?

Was anyone absent on twenty-four hours' leave, if so, who?

Was anyone absent for other cause, if so, who, and why?

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, steamers, sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received one Book of rules and Regulations one Book of list of Merchant Vessels of the United States.

William Walker
Keeper

CONDITION OF THE SURF.

Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light X	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Wednesday, May 4, 1904

Direction and force of wind, and state of weather at midnight.
E. Light- Clear

Direction and force of wind, and state of weather at sunrise,
S.E. Light- Clear

Direction and force of wind, and state of weather at noon.
S. Light- Cloudy

Direction and force of wind, and state of weather at sunset,
W. Light- Clear

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29.64 ; Sunrise, 29.65 ; Noon, 29.65 ; Sunset. 29.64

Thermometer—Midnight, 44 ; Sunrise, 50 ; Noon, 64 ; Sunset. 67

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Lookout-

PATROL.

Peter Olson.
James F. Smith.
Charles Robinson.
George W. Mastain.
Robert-B. Smith.
Herman W. Allen.
Patrick J. McCauley.
Peter Olson.

12 Pm to 2 am , midnight to 4 a. m., met James F. Smith. 4 Pm to 6 Pm , from Station.
2 am to 4 am , midnight to 4 a. m., met Charles Robinson. 6 Pm to 8 Pm "
4 am to 6 am , 4 a. m. to sunrise, met George W. Mastain. 8 Pm to 10 Pm "
6 am to 8 am , 4 a. m. to sunrise, met Robert-B. Smith. 10 Pm to 12 Pm "
8 am to 10 am , sunset to 8 p. m., met Patrol. " "
10 am to 12 m , sunset to 8 p. m., met James F. Smith 12 Pm to 2 [illegible] [illegible]
12 m to 2 Pm , 8 p. m. to midnight, met Peter Olson. [illegible]
2 Pm to 4 Pm , 8 p. m. to midnight, met Robert-B. Smith 8 Pm to 10 Pm West.
George W. Mastain. [illegible] West.

Is the house thoroughly clean? yes.
Is the house in good repair? yes.
Is the apparatus in good condition? yes.
Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? Charles Robinson. from 8 am to 5.30 Pm
Was anyone absent on twenty-four hours' leave, if so, who? No
Was anyone absent for other cause, if so, who, and why? No
Name of substitute James F. Smith in place of _____, surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 5 steamers, 6 sloops, 1

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drill. with International code. and wig wag signals crew level grounds. for cement- side walks.

Received. from Grand Haven supply house.
12 cups. coffee. 12 plates dinner. 12 saucers coffee. 10 yards toweling.
6 Emery cloth No. 0. 6 Emery cloth No. 1½. 6 Emery No 3. 10 # Nails wire 4d
25 # Nails wire. 6d. 25 # Nail wire 10d. 50 # Nail wire 20d. 12 sand paper No. 00
12 sand paper No 1½. 12 sand paper No 3. ½ screws. iron flat-head 1 inch. ½ screws
iron flat-head 1½. 12 screws flat-head 2. 1 # tacks iron. 6 # tacks copper.
150 ft- wire gauge copper. 1 doz chimneys, No 2 Band 1½ 50 # White lead. 1 # Pint Drop Black. 1 # Prussian
Blue. ½ Burnt & ½ Burnt umber. 2 Brushes stove. 6 mops cotton. 2 mop sticks. 6 needles sail No. 14
10 # sal soda. 6 cakes sapolio. 50 # soap. 1 # twine cotton. 1 set of casting for cook stove. 1 Pan Bake
oblong. 2 Pans. driffing. 2 Pans dish. 2 Pans stew. 1 coffee 1 gal. ½ doz stove polish Dixon. 6 files tapered
8 inch. 6 files flat- 8 inch. 3 files flat- 10 inch. 2 Boxes nails. 10 # Powder. 3 barrel Black
smith coal. 1 quarts of Black ink.

William Walker
Keeper.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light. X	Light. X	Light. X	Light. X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Friday, June 12, 1903

Direction and force of wind, and state of weather at midnight, N.E. Light Clear

Direction and force of wind, and state of weather at sunrise, N.E. Light Clear

Direction and force of wind, and state of weather at noon, S.S.W. Fresh Cloudy

Direction and force of wind, and state of weather at sunset, S. Light Cloudy

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 2960 ; Sunrise, 2960 ; Noon, 2960 ; Sunset, 2974

Thermometer—Midnight, 49 ; Sunrise, 50 ; Noon, 74 ; Sunset, 73

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Station Lookout

PATROL.

George W. Mastain. 12 Pm to 2 a.m., midnight to 4 a. m., met George W. Mastain from 2 Pm to 4 Pm Station.
Robert C. Smith. 2 a.m. to 4 a.m., midnight to 4 a. m., met Robert C. Smith 4 Pm to 6 Pm "
Herman W. Allen. 4 a.m. to 6 a.m., 4 a. m. to sunrise, met Herman W. Allen. 6 Pm to 8 Pm "
Patrick J. Mc Cauley. 6 a.m. to 8 a.m., 4 a. m. to sunrise, met Patrick J. Mc Cauley. 8 Pm to 10 Pm "
James P. Smith. 8 a.m. to 9 a.m., sunset to 8 p. m., met Peter Olson. 10 Pm to 12 Pm "
Patrick J. Mc Cauley. 9 a.m. to 10 a.m., sunset to 8 p. m., met Patrick " "
James P. Smith. 10 a.m. to 12 m., 8 p. m. to midnight, met Robert C. Smith 12 Pm to 2 a.m. "West.
Charles Robinson. 12 m. to 2 Pm, 8 p. m. to midnight, met George W. Mastain 2 a.m. to 4 a.m. "East.

Is the house thoroughly clean? yes. } Peter Olson. 8 Pm to 10 Pm West.
Is the house in good repair? yes. } Patrick J. Mc Cauley. 10 Pm to 12 Pm East.
Is the apparatus in good condition? yes.
Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? Peter Olson. No. 6. from. 8 a.m to 7 Pm.
Was anyone absent on twenty-four hours' leave, if so, who? No
Was anyone absent for other cause, if so, who, and why? No
Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 20 steamers, 25 sloops, 2

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drill. restoring the apparently drown...
crew building and completed incline or launch way.
visited East patrol post and found it in good condition.

William Walker.
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light X	Light X
Moderate X	Moderate X	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Friday, July 1, 1904

Direction and force of wind, and state of weather at midnight, N. Fresh Cloudy

Direction and force of wind, and state of weather at sunrise, N. Fresh Cloudy

Direction and force of wind, and state of weather at noon, N. Light Cloudy

Direction and force of wind, and state of weather at sunset, N. Light Clear

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29 5-5 ; Sunrise, 29 5-5 ; Noon, 29 5-4 ; Sunset, 29 5-5

Thermometer—Midnight, 5-2 ; Sunrise, 5-1 ; Noon, 62 ; Sunset, 55

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Station Lookout

PATROL.

George W. Marlain. 12 Pm to 2 am, midnight to 4 a. m., met Charles Robinson from 8 Pm to 4 Pm Station.
Robert C. Smith. 2 am to 4 am, midnight to 4 a. m., met Robert C. Smith 4 Pm to 6 Pm "
Herman W. Allen. 4 am to 6 am, 4 a. m. to sunrise, met Herman W. Allen 6 Pm to 8 Pm "
Patrick J. McCauley. 6 am to 8 am, 4 a. m. to sunrise, met Patrick J. McCauley 8 Pm to 10 Pm "
Peter Olson. 8 am to 10 am, sunset to 8 p. m., met Peter Olson. 10 Pm to 12 Pm "
James P. Smith. 10 am to 12 m, sunset to 8 p. m., met Patrol. " "
Charles Robinson. 12 m to 2 Pm, 8 p. m. to midnight, met Robert C. Smith 12 Pm to 2 am West.
Robert C. Smith. 2 Pm to 9 Pm, 8 p. m. to midnight, met George W. Marlain 2 am to 4 am East.
Peter Olson. 8 Pm to 10 Pm West.
Patrick J. McCauley. 10 Pm to 12 Pm East.

Is the house thoroughly clean? yes.
Is the house in good repair? yes.
Is the apparatus in good condition? yes.

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? Herman W. Allen. No 4. from 8 am to 5-30 Pm

Was anyone absent on twenty-four hours' leave, if so, who? No

Was anyone absent for other cause, if so, who, and why? Peter Olson. sent for mail.

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 10. steamers, 17 sloops, 4

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drill rescuing the apparently drown.
crew worked in and about the Station and grounds, Etc.
visited East patrol post and found it in good condition
Received one Book of Government salary tables of 1904

William Walker.
Keeper

CONDITION OF THE SURF.			
MIDNIGHT.	SUNRISE.	NOON.	SUNSET.
Smooth	Smooth	Smooth	Smooth
Light X	Light	Light	Light X
Moderate	Moderate X	Moderate X	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Thursday, August 4, 1904

Direction and force of wind, and state of weather at midnight, S.W. Fresh Cloudy

Direction and force of wind, and state of weather at sunrise, S. Fresh Cloudy

Direction and force of wind, and state of weather at noon, S.W. Fresh Cloudy

Direction and force of wind, and state of weather at sunset, S.W. Fresh Cloudy

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29.90 ; Sunrise, 29.90 ; Noon, 29.90 ; Sunset, 29.90

Thermometer—Midnight, 64 ; Sunrise, 69. ; Noon, 68 ; Sunset, 66

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Station Lookout

PATROL.

Herman W. Allen. 12 Pm to 2 am, midnight to 4 a. m., met Patrick J. Mc Cauley from 4 Pm to 6 Pm Station.
Patrick J. Mc Cauley. 2 am to 4 am, midnight to 4 a. m., met Peter Olson. " 6 Pm to 8 Pm "
Peter Olson. 4 am to 6 am, 4 a. m. to sunrise, met James F. Smith. 8 Pm to 10 Pm "
James F. Smith. 6 am to 8 am, 4 a. m. to sunrise, met Charles Robinson. 10 Pm to 12 Pm "
Charles Robinson. 8 am to 10 am, sunset to 8 p. m., met Patrols. " "
George W. Mastan. 10 am to 12 m, sunset to 8 p. m., met Patrick J. Mc Cauley 12 Pm to 2 am West
Robert C. Smith. 12 m to 2 Pm, 8 p. m. to midnight, met Herman W. Allen. 2 am to 4 am "East
Herman W. Allen. 2 Pm to 4 Pm, 8 p. m. to midnight, met Charles Robinson 8 Pm to 10 Pm West
James F. Smith 10 Pm to 12 Pm East

Is the house thoroughly clean? yes.

Is the house in good repair? yes.

Is the apparatus in good condition? yes.

Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? Peter Olson. No 6. from 9.30 Am to 6.30 Pm

Was anyone absent on twenty-four hours' leave, if so, who? No

Was anyone absent for other cause, if so, who, and why? Robert C. Smith. sent for mail.

Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 13 steamers, 44 sloops, 8

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drill with Beach Apparatus. time 4.20 Elevation of gun 15 degrees Distance of shot from pole 86 yards. crew worked in and about the Station and grounds.

William Walker.
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth ____	Smooth X	Smooth X	Smooth X
Light ____	Light ____	Light ____	Light ____
Moderate ____	Moderate ____	Moderate ____	Moderate ____
Strong ____	Strong ____	Strong ____	Strong ____
Rough ____	Rough ____	Rough ____	Rough ____
High ____	High ____	High ____	High ____
Very high ____	Very high ____	Very high ____	Very high ____

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Monday, February 20, 1905

Direction and force of wind, and state of weather at midnight, _____

Direction and force of wind, and state of weather at sunrise, S.W. Fresh Cloudy

Direction and force of wind, and state of weather at noon, S.W. Fresh Cloudy

Direction and force of wind, and state of weather at sunset, S.W. Light Cloudy.

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, ____; Sunrise, ____; Noon, ____; Sunset, ____

Thermometer—Midnight, ____; Sunrise, 30; Noon, 34; Sunset, 28

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

PATROL.

, midnight to 4 a. m., met ____, from ____ Station.
, midnight to 4 a. m., met ____, " "
, 4 a. m. to sunrise, met ____, " "
, 4 a. m. to sunrise, met ____, " "
, sunset to 8 p. m., met ____, " "
, sunset to 8 p. m., met ____, " "
, 8 p. m. to midnight, met ____, " "
, 8 p. m. to midnight, met ____, " "

Is the house thoroughly clean? yes.
Is the house in good repair? yes.
Is the apparatus in good condition? yes.
Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour?
Was anyone absent on twenty-four hours' leave, if so, who?
Was anyone absent for other cause, if so, who, and why?
Name of substitute: ____ in place of ____, surfman.
Name of substitute: ____ in place of ____, surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, steamers, sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received 3 spark one of Lake Michigan. one of the passage between the Islands and the main land and one of Traverse Bay.

William Walker
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light X	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Tuesday, May 9, 1905.

Direction and force of wind, and state of weather at midnight,
N.E. Fresh Cloudy

Direction and force of wind, and state of weather at sunrise,
N. Light Cloudy

Direction and force of wind, and state of weather at noon,
N. Light Cloudy

Direction and force of wind, and state of weather at sunset,
N. Light Cloudy

ENTER THE READING OF BAROMETER AND THERMOMETER AT MIDNIGHT, SUNRISE, NOON, AND SUNSET.

Barometer—Midnight, 29.40 ; Sunrise, 29.49 ; Noon, 29.47 ; Sunset, 29.42

Thermometer—Midnight, 38 ; Sunrise, 37 ; Noon, 45 ; Sunset, 42

(Fill in, in the blank spaces below, the names of the patrolmen or watch, the names of the patrolmen met, and the name of the station the latter were from.)

Station watch

PATROL.

Patrick J. McCauley.
Peter Olson.
James F. Smith.
Charles Robinson.
George W. Maclain.
Robert C. Smith.
Herman W. Allen.
Patrick J. McCauley.

12 Pm to 2 am, midnight to 4 a. m., met Peter Olson. 4 Pm to 6 Pm, from Station.
2 am to 4 am, midnight to 4 a. m., met James F. Smith 6 Pm " to 8 Pm "
4 am to 6 am, 4 a. m. to sunrise, met Charles Robinson. 8 Pm " to 10 Pm "
6 am to 8 am, 4 a. m. to sunrise, met George W. Maclain 10 Pm to 12 Pm "
8 am to 10 am, sunset to 8 p. m., met Patrols. " "
10 am to 12 m, sunset to 8 p. m., met Peter Olson 12 Pm to 2 a.m "West.
12 m to 2 Pm, 8 p. m. to midnight, met Patrick J. McCauley 2 am to 4 a.m " East.
2 Pm to 4 Pm, 8 p. m. to midnight, met George W. Maclain 8 Pm to 10 Pm "West.
Charles Robinson 10 Pm to 12 Pm East.

Is the house thoroughly clean? yes.
Is the house in good repair? yes.
Is the apparatus in good condition? yes.
Was any member of the crew (including keeper) absent on liberty, if so, who, and from what hour to what hour? James F. Smith No 7. from 10 am to 5.45 Pm.
Was anyone absent on twenty-four hours' leave, if so, who? No
Was anyone absent for other cause, if so, who, and why? Robert C. Smith sent for mail.
Name of substitute: in place of , surfman.
Name of substitute: in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 7 steamers, 18 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received 2 Bedspreads. 2 White. 1 Pitcher. 2 Water. 2 Toweling crash. 50 lbs. Nails wire 20d. 1 doz. Chimneys. 2 and. H. lamp. 75 lbs. Lead white. 10 gals Oil linseed. 1 lbs. Paint Drop black. 1 lbs. Paint Prussain blue. 2 gal turpentine. 2 Bath brick. 2 doz. Brooms. com. 10 lbs Leather rigging. 6 mops. cotton. 1 Pail star fiber. 3 Rolls. No 22. galvanized. 1 lbs Paste polishing. 10 lbs. sal soda. 50 lbs. soap fresh water. 1 ladle. tin. 1 Pot tea 1 gal. 2 doz stove polish. 1 cartridge Bag 50 in lunch. 2 Brushes Kalsomine. 125 lbs plastico. 1 shot line No 7. 5 lbs. staples. wire for fence. 775 lbs. wire for fence. 4 window shades. 2 Boxes casting for Lanching carriage.
Drill with McLellan Surfboat from 8 am to 10 am

William Walker.
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
None	None	None	None
Light X	Light	Light	Light X
Moderate	Moderate X	Moderate X	Moderate
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Monday, April 30, 1906

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	W.	Light	Cloudy	29.39	40
Sunrise	NW.	Fresh	Clear	29.48	35
Noon	SW.	Light	Clear	29.49	59
Sunset	SW.	Light	Cloudy	29.59	46

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	Time.	Station and Day Watches. No.	Station and Day Watches. Name.
3	Herman W. Allers.	West	Midnight to 2 a. m.	2	George W. Maslain
2	George W. Maslain	East	2 a. m. to 4 a. m.	3	Herman W. Allers.
			4 a. m. to ~~sunrise~~ 6	4	Patrick J. Mc. Bauley
			6 ~~Sunrise~~ to 8 a. m.	5	James F. Smith
			8 a. m. to noon.	6	Frank C. Bennett.
			Noon to 4 p. m.	7	Peter Cardinal.
			4 p. m. to ~~sunset~~ 6	1	Charles Robinson.
			~~Sunset to~~ 6 p. m.		
			~~p. m.~~ to 8 p. m.	2	George W. Maslain
5	James F. Smith	West	8 p. m. to 10 p. m.	4	Patrick J. Mc. Bauley
4	Patrick J. Mc. Bauley	East	10 p. m. to midnight.	5	James F. Smith.

Are all the buildings thoroughly clean? yes.

Are the station premises in tidy condition? yes.

Is the apparatus in good condition? yes.

Was any member of the crew (including keeper) absent on liberty; if so, who, and from what hour to what hour? Herman W. Allers. No 3. at Liberty from 8 a.m on the 30th to 8 a.m on the May 1st

Was anyone absent for other cause; if so, who, and why? Peter Cardinal. sent for mail.

Name of substitute: none in place of , surfman.

Name of substitute: none in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 10 steamers, 36 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received 12 sheets Emery cloth. 12 yds. Toweling. 2 dust pans. 9/12 1 in. Brass. screws. 9/12 2 in. iron screws. 1 lbs. copper tacks. 1 doz. Band H. Lamp wicks. 1 dust brush. 10 lbs. yellow ocher. 2 bath Brick. 6 Brushes scrubbing. 1 Brush stove. 20 yds. canvas. 6 map cotton. 10 lbs sal soda 10 cakes. Bells. star cleaner. 1 collar tin for stove pipe. 6 cakes. Bleth stove Dixon. 1 saw set. 2 Boxes. Disks. 726.

Drill with Beach Apparatus. time 4.20 Elevation of gun 18 degrees. Distance of shot from pole. 102 yds. 2 mortar powder use

crew worked on boat house

William Walker.
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
None	None	None	None
Light	Light	Light	Light
Moderate X	Moderate X	Moderate X	Moderate X
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Thursday, July 5, 1906

Weather Conditions at—	Wind: Direction.	Wind: Force.	State of Weather.	Barometer.	Thermometer.
Midnight	N.E.	Fresh	Clear	29.63	58
Sunrise	N.E.	Light	Clear	29.70	62
Noon	N.	Light	Clear	29.74	72
Sunset	N.E.	Light	Clear	29.73	68

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	Time.	Station and Day Watches. No.	Station and Day Watches. Name.
1	Charles Robinson.	West.	Midnight to 2 a. m.	7	Peter Cardinal.
7	Peter Cardinal.	East.	2 a. m. to 4 a. m.	1	Charles Robinson.
			4 a. m. to ~~sunrise~~ 6	2	George W. Mastain.
			6 ~~Sunrise~~ to 8 a. m.	3	Herman W. Allers.
			8 a. m. to noon.	4	Patrick J. McCauley.
			Noon to 4 p. m.	5	James F. Smith.
			4 p. m. to ~~sunset~~ 6	6	Frank C. Bennett.
			~~Sunset to~~ 6 p. m.		
			~~p. m.~~ to 8 p. m.	7	Peter Cardinal.
3	Herman W. Allers.	West.	8 p. m. to 10 p. m.	2	George W. Mastain.
2	George W. Mastain.	East.	10 p. m. to midnight.	3	Herman W. Allers.

Are all the buildings thoroughly clean? yes.

Are the station premises in tidy condition? yes.

Is the apparatus in good condition? yes.

Was any member of the crew (including keeper) absent on liberty; if so, who, and from what hour to what hour? Charles Robinson. No 1. at Liberty from 8 a.m. on the 5th to 7.30 a.m. on the 6th.

Was anyone absent for other cause; if so, who, and why? James F. Smith sent for mail.

Name of substitute: none in place of , surfman.

Name of substitute: none in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, 6 steamers, 37 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drill with Beach Apparatus. time 5:10. Elevation of gun 18 degrees. Distance of shot from pole 101 yds. 2 ounces powder used.

Drill with Surfboat.

Received one Launching Carriage Woods. Pattern from Frankfort U. S. Station in good condition

William Walker.
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
None	None	None	None
Light X	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Monday, Nov. 5, 1906

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	S.E.	Fresh	Clear	29.61	46
Sunrise	S.	Light	Cloudy.	29.61	48
Noon	N.	Light	Cloudy.	29.61	54
Sunset	E.	Fresh	Cloudy.	29.61	54

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	Time.	Station and Day Watches. No.	Station and Day Watches. Name.
5	Frank B. Bennett	West	Midnight to 2 a. m.	4	James F. Smith.
4	James F. Smith.	East	2 a. m. to 4 a. m.	5	Frank B. Bennett.
7	Charlie L. Fricke.	West	4 a. m. to ~~sunrise~~ 6	6	Peter Cardinal.
			6 ~~Sunrise~~ to 8 a. m.	7	Charlie L. Fricke.
			8 a. m. to noon.	1	Charles Robinson.
			Noon to 4 p. m.	2	George W. Marstain.
			4 p. m. to ~~sunset~~ 6	3	Patrick J. Mc. Cauley.
			~~Sunset to~~ 6 p. m.		
3	Patrick J. Mc. Cauley.	West	~~—~~ p. m. to 8 p. m.	4	James F. Smith.
7	Charlie L. Fricke.	West	8 p. m. to 10 p. m.	6	Peter Cardinal.
6	Peter Cardinal	East	10 p. m. to midnight.	7	Charlie L. Fricke.

Are all the buildings thoroughly clean? yes.

Are the station premises in tidy condition? yes.

Is the apparatus in good condition? yes.

Was any member of the crew (including keeper) absent on liberty; if so, who, and from what hour to what hour? Frank B. Bennett. No 5. at Liberty from 8 a.m. on the 5th to 2.30 a.m. on the 6th.

Was anyone absent for other cause; if so, who, and why? George W. Marstain. sent for mail.

Name of substitute: none in place of , surfman.

Name of substitute: none in place of , surfman.

(Fill in the number of vessels of each class that have passed the station this day.)

Ships, barks, brigs, schooners, steamers, 2 5 sloops,

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Crew worked in and about the Station and grounds. Received one Beebe Mc Lellan self-bailing Surfboat with outerboard and outfit. 2 Fenders. 1 hasp. 8" sawlock plates. 1 mast spruce. 10 oars, ash 12 ft. 2 spirits spruce. 1 30 lbs. anchor folding. 1 cover sail. 2 belaying pins brass. 2 blocks. 3 in gun metal. 2 life lines. 18 thread. 11 mast hoops. iron. 1 pin brass for hasp & pump spears. 6 righting lines with floats. wood. 10 sunlocks. gun metal. 1 sail fib. 1 sail ~~mast~~ & sheet double. 2 shrouds. 1 snapshook for fib. 2 strops rope for spirits. 4 thole pins wood. 1 withe gun metal. for mast. 1 wrench wooden for man hole cover.

William Walker.
Keeper.

Monday, March 4., 1907

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
None	None X	None X	None X
Light	Light	Light	Light
Moderate	Moderate	Moderate	Moderate
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight					
Sunrise	S.	Light-	Cloudy Snow	29.52	17
Noon	S.W.	Light-	Cloudy.	29.53	20
Sunset	S.W.	Fresh	Cloudy.	29.50	25

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

Patrol. No.	Patrol. Name.	Patrol. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
			Midnight to ..... a. m.		
			..... a. m. to 4 a. m.		
			4 a. m. to sunrise.		
			Sunrise to 8 a. m.		
			8 a. m. to noon.		
			Noon to 4 p. m.		
			4 p. m. to sunset.		
			Sunset to ..... p. m.		
			..... p. m. to 8 p. m.		
			8 p. m. to ..... p. m.		
			..... p. m. to midnight.		

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? .....

Do patrol clock dials show indentations at the proper times? .....

Were telephonic reports made from patrol limits and properly recorded by station watch? .....

Are all the buildings thoroughly clean? yes.

Are the station premises neat and well kept? yes.

Is the apparatus in good condition? yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.

Vessels Sighted from Station this day:

Ships .....

Barks .....

Brigs .....

Schooners .....

Steamers .....

Sloops .....

Barges in tow .....

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received 4. printed instruction on cloth for tally Boards on hawser and whip lines.

(If more space is needed, use letter paper.)

William Walker.
Keeper.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
None	None	None	None
Light	Light X	Light X	Light X
Moderate X	Moderate	Moderate	Moderate
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Saturday, May 11, 1907

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	N.	Fresh	Clear.	29.50	34
Sunrise	N.	Fresh	Cloudy.	29.53	34
Noon	N.W.	Light	Cloudy.	29.50	44
Sunset	N.E.	Light	Cloudy.	29.46	40

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
3	Patrick J. McCauley	West	Midnight to 2 a. m.	2	George W. Mastain
2	George W. Mastain	East	2 a. m. to 4 a. m.	3	Patrick J. McCauley
			4 a. m. to ~~sunrise~~ 6	4	James Smith
			6 ~~Sunrise~~ to 8 a. m.	5	Frank B. Bennett
			8 a. m. to noon.	6	Charlie L. Fricke
			Noon to 4 p. m.	Sub	Russell Clauss
			4 p. m. to ~~sunset~~ 6	1	Charles Robinson
			~~Sunset to~~ 6 p. m.		
			——— p. m. to 8 p. m.	2	George W. Mastain
5	Frank B. Bennett	West	8 p. m. to 10 p. m.	4	James Smith
4	James Smith	East	10 p. m. to midnight.	5	Frank B. Bennett

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged?

Do patrol clock dials show indentations at the proper times?

Were telephonic reports made from patrol limits and properly recorded by station watch?

Are all the buildings thoroughly clean? yes.

Are the station premises neat and well kept? yes.

Is the apparatus in good condition? yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Patrick J. McCauley	8 a.m on the 11th 6.30 a.m on 12th	Liberty day	Russell Clauss

Vessels Sighted from Station this day:

Ships

Barks

Brigs

Schooners 4

Steamers 36

Sloops

Barges in tow

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

What repairs, if any, are needed upon the buildings? None

Received 8 Pillowcases white. 6 Brooms corn. 2 Brushes paint. 2 Bowls mixing. 6 Emery cloth. 100 ft. Hose fire. 20 lbs Nails wire 8d 20 lbs Nails wire 10d. 38 lbs. spike galvanized. 1 Bail cedar. 1 Pan dish. 1 lbs Paste polish. 1 Pot coffee. 1 Pot tea. 10 lbs Sal soda. 1 Burner No1. 6 Burners No2. 12 chimneys No2. Band H. 6 Chimneys No1. pearl. 6 chimneys No2 pearl top. 6 Lamp wicks for B and H. 1 lbs Lamp black. 50 lbs Lead white 5 gal oil boiled. 5 gals. oil hard finish. 1 lbs Lamp blue. 2 gals turpentine. 1 Boat hook. 3 & 2 lbs 3 in. hammer. 10 lbs 6 thread. 1 oar 10 ft. 6 slate pencils. 6 stone polish. 1 Boat drag. 50 cartridge Bags. 2 Boxes disks. 10 lbs powder gun. 2 projectiles for Lyle gun. Crew scrubbed and cleaned house. Drill fire Drill time 40 seconds.

(If more space is needed, use letter paper.)

William Walker.
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
None	None	None	None
Light X	Light X	Light	Light
Moderate	Moderate	Moderate X	Moderate X
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Monday, May 4, 1908

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	W.	Light.	Clear	29.38	46
Sunrise	S.	Light	Clear	29.43	40
Noon	NE.	Fresh	Cloudy	29.30	44
Sunset	N.E.	Fresh	Clear	29.34	45

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
4	James Smith	West	Midnight to 2 a. m.	3	Patrick J. McCauley
3	Patrick J. McCauley	East	2 a. m. to 4 a. m.	4	James Smith
			4 a. m. to ~~sunrise~~ 6	5	Frank C. Bennett
			6 ~~Sunrise~~ to 8 a. m.	6	Clarence O. Markham
			8 a. m. to noon.	7	Chas. D. Ackerman
			Noon to 4 p. m.	1	Charles Robinson
			4 p. m. to ~~Sunset~~ 6	2	George W. Martain
			~~Sunset~~ to 6 p. m.		
			——m. to 8 p. m.	3	Patrick J. McCauley
6	Clarence O. Markham	West	8 p. m. to 10 p. m.	5	Frank C. Bennett
5	Frank C. Bennett	East	10 p. m. to midnight.	6	Clarence O. Markham

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged?

Do patrol clock dials show indentations at the proper times?

Were telephonic reports made from patrol limits and properly recorded by station watch?

Are all the buildings thoroughly clean? Yes.

Are the station premises neat and well kept? Yes.

Is the apparatus in good condition? Yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Chas. D. Ackerman	Midnight to 7.30 am	Liberty day	
James Smith	8 a.m. to Midnight	" "	

Vessels Sighted from Station this day:

Ships

Barks

Brigs

Schooners 5

Steamers 10

Sloops

Barges in tow

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received 10 Pillow cases, white. 6 Brooms, corn. 3 Brushes, paint. 2 Brushes, sash 0 & 2, 2 Brushes, wall. 6 Brushes, scrubbing. 12 Plates soap, 40 lbs. nine O'clock 8's and 10's. 24 sheet sand paper, 00 and 0. 1 lb. Solder. 2 Bath bricks. 6 Mops, cotton. 1 Pan, stew. 1 paste polish. 10 lbs. sal soda. 1 Table cover, oilcloth, 15 yds. toweling crash. 2 Patrol lanterns. 6.50 lbs. white lead. 15 gal. oil, raw. 1 gal. hard finish. 50 lbs. putty. 4 lbs. tints. 2 gal. turpentine, 1 gal. spar Varnish. 5 lbs. yellow metal. 6 stove polish. 50 cartridge bags, red. 2 Boxes dials. 10 lbs. gunpowder. 100 ft. 2 inch cotton Hose. 25 lbs. Plastics. 4 Pint black ink.

Drill with Surfboat.

William Wallace
Keeper.

(If more space is needed, use letter paper.)

Saturday, Feb. 27, 1909

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
None	None	None	None
Light	Light	Light	Light
Moderate	Moderate X	Moderate X	Moderate X
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight					
Sunrise	N.	Fresh.	Cloudy. Snow	29.30	30
Noon	N.	Fresh.	Cloudy.	29.34	26
Sunset	N	Fresh.	Cloudy	29.36	23

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

Patrol. No.	Patrol. Name.	Patrol. Direction	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
			Midnight to ____ a. m.		
			____ a. m. to 4 a. m.		
			4 a. m. to sunrise.		
			Sunrise to 8 a. m.		
			8 a. m. to noon.		
			Noon to 4 p. m.		
			4 p. m. to sunset.		
			Sunset to ____ p. m.		
			____ p. m. to 8 p. m.		
			8 p. m. to ____ p. m.		
			____ p. m. to midnight.		

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? ____

Do patrol clock dials show indentations at the proper times? ____

Were telephonic reports made from patrol limits and properly recorded by station watch? ____

Are all the buildings thoroughly clean? Yes.

Are the station premises neat and well kept? Yes.

Is the apparatus in good condition? Yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.

Vessels Sighted from Station this day:

Ships ____

Barks ____

Brigs ____

Schooners ____

Steamers ____

Sloops ____

Barges in tow ____

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

What repairs, if any, are needed upon the buildings? none

Received three water lights.

(If more space is needed, use letter paper.)

William Walker
Keeper.

2—656 a

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
None	None	None	None
Light	Light	Light X	Light X
Moderate X	Moderate X	Moderate	Moderate
High	High	High	High
Very high	Very high	Very high	Very high

☞ The keeper will make a cross immediately after the word indicating the condition of the surf at midnight, sunrise, noon, and sunset.

Tuesday, May 4, 1909

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	W.	Light	Clear.	29.99	44
Sunrise	S.W.	Light	Cloudy	29.26	42
Noon	S.W.	Light	Cloudy	29.14	57
Sunset	S.W.	Light	Cloudy.	29.12	54

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

Patrol. No.	Patrol. Name.	Patrol. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
1	Charles Robinson	West	Midnight to 2 a. m.	7	Alfred A. Gill.
7	Alfred A. Gill.	East	2 a. m. to 4 a. m.	1	Charles Robinson.
			4 a. m. to ~~sunrise~~ 6	2	George W. Maclain.
			6 ~~Sunrise~~ to 8 a. m.	6	Patrick J. McCauley.
			8 a. m. to noon.	4	James Smith.
			Noon to 4 p. m.	5	Frank Bennett
			4 p. m. to ~~sunset~~ 6	6	Chas. D. Ackerman
			~~Sunset~~ to 6 p. m.		
			~~—~~ p. m. to 8 p. m.	7	Alfred A. Gill.
~~6~~ 7	Patrick J. McCauley.	West	8 p. m. to 10 p. m.	2	George W. Maclain.
2	George W. Maclain.	East	10 p. m. to midnight.	6	Patrick J. McCauley.

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? Yes

Do patrol clock dials show indentations at the proper times? Yes.

Were telephonic reports made from patrol limits and properly recorded by station watch?

Are all the buildings thoroughly clean? Yes.

Are the station premises neat and well kept? Yes.

Is the apparatus in good condition? Yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Charles Robinson.	7 a.m. to Midnight.	Liberty day.	

Vessels Sighted from Station this day:

Ships

Barks

Brigs

Schooners

Steamers 13

Sloops 1

Barges in tow

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drill with surfboat.

Received 6 Brooms 2 Brushes dust 2 Brushes clothes 6 Brushes scrubbing. 12 Bars soap 1 Pitchers milk 12 saucers coffee 1 Hose cart 2 Pails buckets 6 Mops cotton 1 mop sticks 1 Pail Lysol 2 Pails iron 2 Pans dust 10 lbs. Sal soda 8 lbs soap 1 doz Chimney tops 1/2 B and P. 6 Lamp wicks B and P. 1/2 doz. 50 lbs Lead pencils 5 Gals Oil. Lamp 1 lbs Paint-drop black. 5 lbs Putty 6 Slate pencils 6 Stove polish. 1 brick smoothed 50 Cartridge Bags red. 1 Box Dial. 10 lbs Powder. Coating for roof algae. 4 Fascicle 4 crazy cement. 1 stand. Received Box of relief clothing from the Women National relief association: Patrick J. McCauley. Temporary appointment filling a vacancy

William Walker. Keeper.

(If more space is needed, use letter paper.)

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light X	Light X	Light X	Light
Moderate	Moderate	Moderate	Moderate X
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Friday, April 8, 1910

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	S.	Light	Clear	29.50	46
Sunrise	S.	Fresh	Cloudy.	29.50	42
Noon	S.W.	Fresh	Cloudy.	29.45	62
Sunset	S.W.	Fresh	Cloudy.	29.34	60

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	STATION AND DAY WATCHES. No.	STATION AND DAY WATCHES. Name.
7	Alfred A. Gill.	West.	Midnight to 2 a. m.	6	Chas. D. Ackerman.
6	Chas. D. Ackerman.	East.	2 a. m. to 4 a. m.	7	Alfred A. Gill.
2	George W. Maslain.	West.	4 a. m. to ~~sunrise~~ 6	1	Charles Robinson.
			6 ~~Sunrise~~ to 8 a. m.	2	George W. Maslain.
			8 a. m. to noon.	3	Patrick J. McCauley.
			Noon to 4 p. m.	4	James Smith.
			4 p. m. to ~~sunset~~ 6	5	Frank Bennett.
			~~Sunset~~ to 6 p. m.		
			~~Sunset~~ ~~p. m. to 8 p. m.~~	6	Chas. D. Ackerman.
2	George W. Maslain.	West.	~~Sunset~~ ~~Sunset~~ to 10 p. m.	1	Charles Robinson.
1	Charles Robinson.	East.	10 p. m. to midnight.	2	George W. Maslain.

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? .....

Do patrol clock dials show indentations at the proper times? yes.

Were telephonic reports made from patrol limits and properly recorded by station watch? .....

Are all the buildings thoroughly clean? yes.

Are the station premises neat and well kept? yes.

Is the apparatus in good condition? yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Patrick J. McCauley.	Midnight to 8 a.m.	Liberty day.	
Alfred A. Gill.	8:30 a.m. to Midnight	" "	

Vessels Sighted from Station this day:

Ships .....

Barks .....

Brigs .....

Schooners .....

Steamers 3

Sloops .....

Barges in tow .....

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drill rescuing the apparently drowned and treatment for frost bite.

Crew worked in and about the station and grounds.

Received 6 Brooms 3 Buckets 1 Dipper 1 Comp Pails 2 Boxes Lime 1 " Tension Wire Paint

2—496 a

William Walters.
Keeper.

(If more space is needed, use letter paper.)

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light X	Light X	Light X
Moderate X	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Wednesday, April 27 1910

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	E.	Light	Cloudy	29.38	42°
Sunrise	S.	Light	Cloudy	29.36	43°
Noon	S.W.	Light	Cloudy	29.46	44°
Sunset	N.E.	Light	Cloudy	29.50	42°

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
6	Chas. D. Ackerman	West	Midnight to 2 a. m.	5	Frank Bennett
5	Frank Bennett	East	2 a. m. to 4 a. m.	6	Chas. D. Ackerman
1	Charles Robinson	West	4 a. m. to ~~sunrise~~ 6	7	Alfred A. Fill
			6 ~~Sunrise~~ to 8 a. m.	1	Charles Robinson
			8 a. m. to noon.	2	George W. Mastain
			Noon to 4 p. m.	3	Patrick J. McCauley
			4 p. m. to ~~sunset~~ 6	4	James Smith
			~~Sunset to~~ 6 p. m.		
			~~p. m. to~~ Sunset ~~p. m.~~	5	Frank Bennett
1	Charles Robinson	West	~~Sunset p. m.~~ to 10 p. m.	7	Alfred A. Fill
7	Alfred A. Fill	East	10 p. m. to midnight.	1	Charles Robinson

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? .....

Do patrol clock dials show indentations at the proper times? yes

Were telephonic reports made from patrol limits and properly recorded by station watch? .....

Are all the buildings thoroughly clean? yes

Are the station premises neat and well kept? yes

Is the apparatus in good condition? yes

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Chas. D. Ackerman	8.30 a.m. to Midnight	Liberty day.	

Vessels Sighted from Station this day:

Ships .....

Barks .....

Brigs .....

Schooners 1

Steamers 17

Sloops .....

Barges in tow 2

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Made up surfboat drill for the 26th.

Drill with International code and 4 doors

Received 2 Brushes paint 2, each one or No 2

2 Brushes varnish 2 Brushes small 12 sand paper

2 mop sticks. 1 Paste metal polish. 15 yds Toweling.

1 doz. Chimneys No 2 B-H. 6 Lamp wicks No 2 B-H.

1 gal. hard finish white. 1 drop cloth paint. 12 yds.

Japan drier. 1 lb. Lead red. 6 sheets pencils. 1 bx.

Lucifer matches. 1 doz. stove polish. 1 Bibb wrench 4 in. 1 jig carpenter

50 Cartridge Bags red. 10 lbs powder. 1 doz. custom signal

25 lbs Plastico No. 39-44.

William Walker.

Keeper.

(If more space is needed, use letter paper).

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light X	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Thursday, June 23, 1910

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	South	Light	Cloudy	29.37	77
Sunrise	S. W.	Light	Cloudy	29.37	76
Noon	S. W.	Light	Hazy	29.38	74
Sunset	S. E.	Light	Hazy	29.40	70

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
6	Chas P. Ackerman	West	Midnight to 2 a. m.	5	Frank R Bennett
5	Frank R Bennett	East	2 a. m. to 4 a. m.	6	Chas P. Ackerman
			4 a. m. to ~~sunrise~~ 6	7	Alfred A Gill
			6 ~~Sunrise~~ to 8 a. m.	1	Charles Robinson
			8 a. m. to noon.	2	George W. Mountain
			Noon to 4 p. m.	3	Patrick J. McCauley
			4 p. m. to ~~sunset~~ 6	4	James H Smith
			~~Sunset to~~ 6 p. m.		
			Sunset ~~6 p. m. to 8 p. m.~~	5	Frank R Bennett
1	Charles Robinson	West	Sunset ~~8 p. m.~~ to 10 p. m.	7	Alfred A. Gill
7	Alfred A. Gill	East	10 p. m. to midnight.	1	Charles Robinson

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? .....

Do patrol clock dials show indentations at the proper times? Yes

Were telephonic reports made from patrol limits and properly recorded by station watch? .....

Are all the buildings thoroughly clean? Yes

Are the station premises neat and well kept? Yes

Is the apparatus in good condition? Yes

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
George W. Mountain	Midnight to 8 A.M.	Liberty	
Chas P. Ackerman	8 A.M. to Midnight	Liberty	
George W. Mountain	1 1/4 hours	Personal	

Vessels Sighted from Station this day:

Ships .....

Barks .....

Brigs .....

Schooners 1

Steamers 45

Sloops .....

Barges in tow 2

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drilled with Beach Apparatus.
Time 4 minutes. Distance 75 yds.
Took Provisions aboard for Glen Haven for freight.
Received one Calcium light.
Three Water lights. One drum of Carbide.
All in good condition.

2 Frank R Partridge Keeper

5—686 a

(If more space is needed, use letter paper.)

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light X	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Wednesday, May 3, 1911

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	West	Light	Clear	2947	34
Sunrise	South	Light	Clear	2949	31
Noon	South	Light	Clear	2950	48
Sunset	South	Light	Cloudy	2947	56

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

Patrol. No.	Patrol. Name.	Patrol. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
3	Patrick J. McCauley	West	Midnight to 2 a. m.	2	George W. Marstain
2	George W. Marstain	East	2 a. m. to 4 a. m.	3	Patrick J. McCauley
			4 a. m. to ~~sunrise~~ 6	4	James Smith
			~~Sunrise~~ 6 to 8 a. m.	5	Frank Bennett
			8 a. m. to noon.	6	Chas P. McKennon
			Noon to 4 p. m.	7	Alfred A. Gill
			4 p. m. to ~~sunset~~ 6	1	Charles Robinson
			Sunset to ____ p. m.		
			6 p. m. to 8 p. m.	2	George W. Marstain
5	Frank Bennett	West	8 p. m. to 10 p. m.	4	James Smith
4	James Smith	East	10 p. m. to midnight.	5	Frank Bennett

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged?

Do patrol clock dials show indentations at the proper times? Yes.

Were telephonic reports made from patrol limits and properly recorded by station watch?

Are all the buildings thoroughly clean? Yes.

Are the station premises neat and well kept? Yes.

Is the apparatus in good condition? Yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Chas. P. McKennon	Midnight to 8 A.M.	Liberty	
Patrick J. McCauley	8 A.M. to midnight	Liberty	
Chas. P. McKennon	1½ hours p.m.	Mail	

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Vessels Sighted from Station this day:

Ships

Barks

Brigs

Schooners

Steamers 24

Sloops

Barges in tow 2

Drilled. International Code of Signals and general Service Goods.

Crew to go ashore to get freight and packed Annual Stores.

Received the following Supplies. 6 Chains, 8 Pillowcases, 5 Pint brushes, 12 Sand paper, ½ gross matches, 1 Box polish, 15 lbs Sal soda, 40 lbs Soap, 1 Table oil cloth, 6 Lamp Chimneys, 1 Hand Lamp, 6 lbs 6 oz Whitewash, 15 gal boiled oil, 1 gal raw oil, 5 lbs putty, 12 lbs Tinto, 6 lbs Sodap hydrids, 1 lb Cotton Waste, 1 Coil chisel, 50 Cartridge bags and 1 Box discs, 1 Shot line No 9, 11 Box primers.

Frank R. Partridge Keeper.

(If more space is needed, use letter paper.)

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light	Light
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough X	Rough	Rough	Rough
High	High X	High X	High
Very high	Very high	Very high	Very high X

Monday, July 24-, 19

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	South	Brisk	Rain	2990	68
Sunrise	West	High	Clear	2986	56
Noon	West	High	Rain	2993	59
Sunset	N W	Gale	Cloudy	29.88	58

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
1	Charles Robinson	West	Midnight to 3 a. m.	7	Alfred A. Gill
7	Alfred A. Gill	East	3 a. m. to 4 a. m.	1	Charles Robinson
			4 a. m. to ~~sunrise~~ 6	2	George W. Certain
			~~Sunrise~~ 6 to 8 a. m.	3	Patrick J. McCauley
			8 a. m. to noon.	4	James Smith
			Noon to 4 p. m.	4	" "
			4 p. m. to ~~sunset~~ 5	4	" "
			~~Sunset~~ 5 to 7.45 p. m.	6	Chas. P. Robinson
			6 p. m. to 8 p. m.		
			8 p. m. to 10 p. m.		
2	George W. Certain	East	10.30 p. m. to midnight.	3	Patrick J. McCauley

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged?

Do patrol clock dials show indentations at the proper times? yes:

Were telephonic reports made from patrol limits and properly recorded by station watch?

Are all the buildings thoroughly clean? yes:

Are the station premises neat and well kept? yes:

Is the apparatus in good condition? yes:

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
James Smith	12 midnight to 8 A.M.	Liberty	

Vessels Sighted from Station this day:

Ships

Barks

Brigs

Schooners

Steamers 13

Sloops

Barges in tow 4

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

At 9.45 A.M. had telephone call from Glen Arbor Stn. A two barge tow flying a signal of distress. Sch. was totally dismasted & 10 miles South of us. Launched the lifeboat & pulled for the wreck. Sch. proved to be the Phoenix of Chicago, Capt. Peterson, bound from Chicago to Manistique in ballast. Sch. was anchored & riding easy. Capt. refused assistance. Returned to the station at 4.30 P.M. Crew of 6 men arrived at the station & reported that a steamer was in distress 5 miles East of Point

2—686 a

Vessels Sighted from Station this day:	
Ships	
Barks	
Brigs	
Schooners	
Steamers	13
Sloops	
Barges in tow	2

GENERAL REMARKS.
(Under this head are to be stated all transactions relating to house or service.)

2-668a

At 6:45 P.M. had telephone call from Lyle Osborn Chief of Surf Boat Crew flying Q. Signal 4 distress boat Sunk out in Bay about 3 Miles Southward the crew on the beach and dragging for anchor Crew could not do any thing although the Captain wanted us to go to him which we did in Surf Boat but could not get to him which Osborn took charge of Surf Boat and pulled to the beach the Crew of the Barge Pensy 6 in the Surf Boat Crew until the anchor was held fast the Crew on the beach returned to the Station at 7:30 P.M. Crew of the Surf Boat arrived at the Station had another Casualty Chief a Steamer was in Sight 5 miles East of Station

In a strong sea and wind was in hard [illegible] was [illegible] the Station [illegible] Steamer [illegible] Station [illegible] Steamer [illegible] Beach Patrolman and was [illegible] Beach 7 miles [illegible] Station we [illegible] Beach got [illegible] in about 5 minutes got the apparatus in position shot the line [illegible] sea and took off with breeches buoy 2 women and 15 men total 17 got the apparatus together and returned to the Station at 10:20 P.M. The Steamer was the Oregonas of Detroit Valued at $100,000 and belonged to the Pacific Steam Ship Co. of Bay City.
The Barge was the Paisley of Detroit belonging to the Zenith Co and was in tow of the Oregonas.
The Barge Penny went on the beach 6 miles [illegible] Station about half an hour after the Oregonas. She went aground a dock and the crew got off with a boat.

Dan'l Partridge
Keeper

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light	Light X
Moderate X	Moderate X	Moderate X	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Wednesday, April 24- 1912

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	S.W	Fresh	Cloudy	29.29	44
Sunrise	N.W	Fresh	Cloudy	29.40	40
Noon	N.W	Light	Clear	29.49	42
Sunset	S.W	Light	Clear	29.58	58

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
4	James Smith	West	Midnight to 2 a. m.	3	Patrick J. McCauley
3	Patrick J. McCauley	East	2 a. m. to 4 a. m.	4	James Smith
6	Chas H. Adkerman	West	4 a. m. to ~~sunrise~~ 6	5	Frank Bennett
			~~Sunrise~~ 6 to 8 a. m.	6	Chas H. Adkerman
			8 a. m. to noon.	7	Edward Robinson
			Noon to 4 p. m.	1	Charles Robinson
			4 p. m. to ~~sunset~~ 6	2	George W. Masters
			Sunset to ____ p. m.		
			6 p. m. to 8 p. m.	3	Patrick J. McCauley
6	Chas H. Adkerman	West	8 p. m. to 10 p. m.	5	Frank Bennett
5	Frank Bennett	East	10 p. m. to midnight.	6	Chas H. Adkerman

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged?

Do patrol clock dials show indentations at the proper times? Yes

Were telephonic reports made from patrol limits and properly recorded by station watch?

Are all the buildings thoroughly clean? Yes

Are the station premises neat and well kept? Yes

Is the apparatus in good condition? Yes

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Edward Robinson	Midnight to 8 A.M.	Liberty	
James Smith	8 A.M. to Midnight	Liberty	
Edward Robinson	1/2 hours for	meal	

Vessels Sighted from Station this day:

Ships

Barks

Brigs

Schooners

Steamers 11

Sloops

Barges in tow

2—686 a

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Rules & International Code of Signals
Gen General Service Order
Green Life Saving Station Force.
Received Telescope from Assistant Inspectors
Office N.Y. in good Condition.
Keeper Kept Work Memorandum Book & Journal
Life Boat with 6 12 foot oars 1-12 foot Sweep 1 Mast 2 Spoils
1 Spirit Sail 1 Jib with rigging 11 Buoys Harper galvanized
8 Row Locks 2 Steering oars Locks and Blocks galvanized
All in good condition.

Frank Bennett
Keeper

(If more space is needed, use letter paper.)

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light X	Light X	Light	Light X
Moderate	Moderate	Moderate X	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Friday, Mar 24-, 1912

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	West	Light	Foggy	29.16	60
Sunrise	N.W	Light	Clear	29.26	51
Noon	West	Fresh	Clear	29.02	59
Sunset	South	Light	Clear	29.34	62

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
1	Charles Robinson	West	Midnight to 2 a. m.	7	P. L. McCauley
7	P. L. McCauley	East	2 a. m. to 4 a. m.	1	Charles Robinson
			4 a. m. to 6 Sunrise.	2	George W. Austin
			6 Sunrise to 8 a. m.	3	Patrick J. McCauley
			8 a. m. to noon.	4	James Smith
			Noon to 4 p. m.	5	Frank Bennett
			4 p. m. to 6 sunset.	6	Chas. H. Allerman
			Sunset to ____ p. m.	7	P. L. McCauley
			6 p. m. to 8 p. m.		
3	Patrick J. McCauley	West	8 p. m. to 10 p. m.	2	George W. Austin
2	George W. Austin	East	10 p. m. to midnight.	3	Patrick J. McCauley

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? ....

Do patrol clock dials show indentations at the proper times? Yes.

Were telephonic reports made from patrol limits and properly recorded by station watch? ....

Are all the buildings thoroughly clean? Yes.

Are the station premises neat and well kept? Yes.

Is the apparatus in good condition? Yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
James Smith	Midnight to 8 A.M.	Liberty	
Charles Robinson	11 A.M. to Midnight	Liberty	
William G. Wheeler	3 days leave from Govt.	Special Service	P. L. McCauley
James Smith	1½ hours	Mail	

Vessels Sighted from Station this day:

Ships	
Barks	
Brigs	
Schooners	
Steamers	35
Sloops	1
Barges in tow	1

2—686 a

GENERAL REMARKS:

(Under this head are to be stated all transactions relating to house or service.)

Took crew to Glen Haven to get boxes Surf Boat and fittings. 8-12 fr oars. 1 Brass boat hook. 1 Rudder & Tiller. 2 Cork fenders. 1 Pump Spear. 1 Manhole wrench. 1 Copperoid can gal. 1 Copper tube. 1 Pipe wrench. 1 Socket wrench. 1 Stillson wrench. 1 Monkey wrench. 2 Common wrenches. 1 Pr Brass castings for rowlocks. 1 Machine hammer. 1 Sprocket Chain. 1 Blue centers. 2 Propellers. 1 Spring oil. 2 Spark plugs. 1 Screwdriver. 1-32 Ct folding Anchor. 1 Buoy for cable. 1 Chamois skin. 1 Brass Anchor light. 1 Combination light. 1 Copper funnel. with Strainer. All in good condition except funnel & bracket which is broken can be repaired by Crew.

Frank Partridge Keeper.

(If more space is needed, use letter paper.)

Saturday, May 25, 1912

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light X	Light X	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	West	Light	Clear	29.52	53
Sunrise	West	Light	Clear	29.50	62
Noon	SW	Fresh	Cloudy	29.50	61
Sunset	SW	Light	Cloudy	29.44	64

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

Patrol. No.	Patrol. Name.	Patrol. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
5	Frank Bennett	West	Midnight to 2 a. m.	4	James Smith
4	James Smith	East	2 a. m. to 4 a. m.	5	Frank Bennett
			4 a. m. to ~~sunrise~~ 6	6	Chas H. Alderman
			~~Sunrise~~ 6 to 8 a. m.	7	P. L. McCauley
			8 a. m. to noon.	1	Charles P. Brinson
			Noon to 4 p. m.	2	George W. Austin
			4 p. m. to ~~sunset~~ 6	3	Ralph J. McCauley
			Sunset to ____ p. m.		
			6 p. m. to 8 p. m.	4	James Smith
7	P. L. McCauley	West	8 p. m. to 10 p. m.	6	Chas H. Alderman
6	Chas H. Alderman	East	10 p. m. to midnight.	7	P. L. McCauley

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged?

Do patrol clock dials show indentations at the proper times? Yes.

Were telephonic reports made from patrol limits and properly recorded by station watch?

Are all the buildings thoroughly clean? Yes.

Are the station premises neat and well kept? Yes.

Is the apparatus in good condition? Yes.

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Charles P. Brinson	Midnight to 8 A.M.	Liberty	
Frank Bennett	8 A.M. to Midnight	Liberty	
Virgil E. Austin	3 days from 1 p.m.	Sick leave	P. L. McCauley
Charles P. Brinson	1½ hours	Late	

Vessels Sighted from Station this day:

Ships	
Barks	
Brigs	
Schooners	2
Steamers	20
Sloops	2
Barges in tow	3

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

What repairs, if any, are needed upon the buildings? None.

Hold Lost Motion fire drill, 1 yr. Clean Quarters, Cleaned Station House & Lot, used Lime, Sand & Cement in repairing Stone Walk in front of Station, One Gasoline Lamp & Lantern, Gasoline Pump and Pipe, Ten lbs. extra waste, Five lbs. Lamp Chimney Wicks, Five lbs. Lamp Cotton, Two (2) gal. Cylinder oil. Station Supplies & Persons Names, 1 Large Wrench, 1 Kalsomining Brush, 6 Entry Oil Cloths, 1 garden rake, 2 Wheel Barrows, 1 dipper, ½ gross matches, 6 lbs Pts. 1 lb. Castile Soap, 1 lb. Cotton Waste, 1 lb. Solvene, 4 lbs. soap, ½ dz. Chimneys No. 2, ½ dz. Chimneys No. 1, ½ dz. Lamp Wicks Flat No. 1, ½ dz. Lamp Wicks No. 0, 1 Box Tacks, 1 lb. Chair Cane, 1 qt. Boiled Oil, 1 qt. Linseed Oil, 2 lbs. drop black, 2 gal. green paint, 3 lbs. Putty No. 1, 2 lbs. Putty No. 1, 1 Gas Suspension, 1 Work Station No. 5, 1 and 2 Cartridge Bags, 1 Log Book, 1 Key Chain, 1 Bugle, 1 Bond and Pendant, 1 Barometer, 1 Parking Gauge, ½ dz. Corton Signals. All in good condition. Changed Keys in Coast Port. Set No. 3 Keys as follows: 1 Key Set.

Frank Bartlidge Keeper.

Thursday, February 20, 1913.

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light X	~~Light~~	~~Light~~
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight					
Sunrise	N.W	Light	Clear	29.20	30
Noon	N.W	Light	Clear	29.30	29
Sunset	N.W	Light	Clear	29.40	26

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
			Midnight to ____ a. m.		
			____ a. m. to 4 a. m.		
			4 a. m. to sunrise.		
			Sunrise to 8 a. m.		
			8 a. m. to noon.		
			Noon to 4 p. m.		
			4 p. m. to sunset.		
			Sunset to ____ p. m.		
			____ p. m. to 8 p. m.		
			8 p. m. to ____ p. m.		
			____ p. m. to midnight.		

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? ____

Do patrol clock dials show indentations at the proper times? ____

Were telephonic reports made from patrol limits and properly recorded by station watch? ____

Are all the buildings thoroughly clean? Yes

Are the station premises neat and well kept? Yes

Is the apparatus in good condition? Yes

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.

Vessels Sighted from Station this day:

Ships ____

Barks ____

Brigs ____

Schooners ____

Steamers ____

Sloops ____

Barges in tow ____

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Received 7 M.M. feet of White Pine Lumber. 4 Locks with Keys. 32 Drawer pulls. 1 gross Screws and 5 lbs finishing nails for four Bureaus.

2—686 a

Frank V. Gilpatrick
1st Asst.

(If more space is needed, use letter paper.)

Tuesday, June 24, 1913

CONDITION OF THE SURF.			
Midnight	Sunrise	Noon.	Sunset
Smooth X	Smooth	Smooth X	Smooth X
Light	Light X	Light	Light
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	S.E	Light	Clear	29.34	63
Sunrise	South	Light	Hazy	29.32	70
Noon	North	Light	Cloudy	29.31	70
Sunset	S.E	Light	Hazy	29.28	72

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
7	Fred Fisher	West	Midnight to 2 a. m.	6	Robert L Donaldson
6	Robert L Donaldson	East	2 a. m. to 4 a. m.	7	Fred Fisher
			4 a. m. to ~~sunrise~~ 6.	1	Edward Robinson Jr.
			~~Sunrise~~ 6 to 8 a. m.	2	George W Mastain
			8 a. m. to noon.	3	Frank Bennett
			Noon to 4 p. m.	4	Chas. L. McKennan
			4 p. m. to ~~sunset~~ 6.	5	William E. Wheeler
			Sunset to ____ p. m.		
			6 p. m. to 8 p. m.	6	Robert L Donaldson
2	George W Mastain	West	8 p. m. to 10 p. m.	1	Edward Robinson Jr.
1	Edward Robinson Jr.	East	10 p. m. to midnight.	2	George W Mastain

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? ____

Do patrol clock dials show indentations at the proper times? yes

Were telephonic reports made from patrol limits and properly recorded by station watch? ____

Are all the buildings thoroughly clean? yes

Are the station premises neat and well kept? yes

Is the apparatus in good condition? yes

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Frank Bennett	Midnight to 7.30 A.M.	Liberty	
Fred Fisher	8.30 A.M. to Midnight	Liberty	
Patrick J McCauley	Beginning of April 24	Sick	Edward Robinson Jr.
Frank Bennett	11/2 hours for	Mail	Fred Fisher.

Vessels Sighted from Station this day:

Ships ____

Barks ____

Brigs ____

Schooners 4

Steamers 52

Sloops ____

Barges in tow 6

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drilled with Surf boat crew working over launch ways. Received Station supplies 1 varnish brush flat No 3. 6 scrub brushes 1 Nozzle 2-in 6 sand paper 00 1 wash boiler, 1 gross matches 6 marks 2 pails water iron galv 1 Qt hart polish, 10 lbs, salsoda 60 lbs soap, 5 Cakes star cleaner, 250 lbs white lead 15 gals boiled oil 1 Qt, Lignum oil 2 lbs, tints No 16, 1 gal turpentine 1 lbs beeswax 5 lbs pike stone yours 2 files saw 5-in 2 files flat 8-in 1 box dials 2 chamois, 2 boxes primers 1 Flag 3'x6' 1 Flag 6-1/3 x 12 1 fire extinguisher Pyrene 1 Qt liquid for fire extinguishers, Pyrene Keeper and two Surfmen went to Glen Haven for supplies.

Charles Robinson
Keeper.

(If more space is needed, use letter paper.)

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light	Light X
Moderate X	Moderate X	Moderate X	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Monday, August 11, 1913

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	East	Light	Clear	29.60	60
Sunrise	East	Light	Cloudy	29.60	56
Noon	East	Light	Hazy	29.59	70
Sunset	East	Light	Clear	29.42	63

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
2	George W. Mastain	West	Midnight to 2 a. m.	1	Patrick J. McCauley
1	Patrick J. McCauley	East	2 a. m. to 4 a. m.	2	George W. Mastain
			4 a. m. to ~~sunrise~~ 6.	3	Frank R. Bennett
			~~Sunrise~~ 6 to 8 a. m.	4	Chas. H. McKennan
			8 a. m. to noon.	5	William E. Wheeler
			Noon to 4 p. m.	6	Robert Donaldson
			4 p. m. to ~~sunset~~ 6.	7	Fred Fisher
			Sunset to ____ p. m.		
			6 p. m. to 8 p. m.	1	Patrick J. McCauley
4	Chas. H. McKennan	West	8 p. m. to 10 p. m.	3	Frank R. Bennett
3	Frank R. Bennett	East	10 p. m. to midnight.	4	Chas. H. McKennan

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? ____

Do patrol clock dials show indentations at the proper times? yes

Were telephonic reports made from patrol limits and properly recorded by station watch? ____

Are all the buildings thoroughly clean? yes

Are the station premises neat and well kept? yes

Is the apparatus in good condition? yes

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
George W. Mastain	2:45 P.M. to 12:45 P.M.	Liberty	
William E. Wheeler	18 hours for	Mail	Fred Fisher

Vessels Sighted from Station this day:

Ships ____

Barks ____

Brigs ____

Schooners 3

Steamers 38

Sloops ____

Barges in tow 1

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Crew working on bureaus two men working in boat house in the bay.

Charles Robinson
Keeper

2—686 a

(If more space is needed, use letter paper.)

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth X	Smooth X	Smooth	Smooth
Light	Light	Light X	Light X
Moderate	Moderate	Moderate	Moderate
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Wednesday, August 13, 1913

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	S.E.	Light	Cloudy	29.45	61
Sunrise	Calm	Calm	Hazy	29.46	60
Noon	N.E.	Light	Hazy	29.46	69
Sunset	West	Light	Cloudy	29.45	68

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

Patrol. No.	Patrol. Name.	Patrol. Direction.	* Period of Time.	Station and Day Watches. No.	Station and Day Watches. Name.
3	Frank Bennett	West	Midnight to 2 a. m.	2	George W. Mastain
2	George W. Mastain	East	2 a. m. to 4 a. m.	3	Frank Bennett
			4 a. m. to ~~sunrise~~ 6.	4	Chas. H. Ackerman
			~~Sunrise~~ 6 to 8 a. m.	5	William E. Wheeler
			8 a. m. to noon.	6	Robert Donaldson
			Noon to 4 p. m.	7	Fred Fisher
			4 p. m. to ~~sunset~~ 6.	1	Patrick J. McCauley
			Sunset to ____ p. m.		
			6 p. m. to 8 p. m.	2	George W. Mastain
5	William E. Wheeler	West	8 p. m. to 10 p. m.	4	Chas. H. Ackerman
4	Chas. H. Ackerman	East	10 p. m. to midnight.	5	William E. Wheeler

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? ____

Do patrol clock dials show indentations at the proper times? yes

Were telephonic reports made from patrol limits and properly recorded by station watch? ____

Are all the buildings thoroughly clean? yes

Are the station premises neat and well kept? yes

Is the apparatus in good condition? yes

RECORD OF ABSENCES AND SUBSTITUTES.

Member of crew absent. (Including keeper.)	Exact period of absence. (Hours and dates.)	Cause of absence.	Name of substitute.
Frank Bennett	8 A.M. to Midnight	Liberty	
Robert Donaldson	11/2 hours for	Mail	Fred Fisher

Vessels Sighted from Station this day:

Ships ____

Barks ____

Brigs ____

Schooners ____

Steamers 24

Sloops ____

Barges in tow ____

2—556 a

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drilled with International Code and General service Code Crew painting inside walls of Station and building bunkers for crew quarters. Received pay checks for self and Crew for month of July. Dispatch Patrick J. McCauley to Glenhaven to have his claim papers filled out.

Witness: Charles Robinson
Keeper.

(If more space is needed, use letter paper.)

Tuesday, May 19, 1914

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light	Light	Light	Light
Moderate X	Moderate X	Moderate X	Moderate X
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	SW	Fresh	Hazy	29.68	60
Sunrise	South	Fresh	Hazy	29.71	62
Noon	South	Fresh	Hazy	29.71	76
Sunset	South	Fresh	Cloudy	29.62	75

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

PATROL. No.	PATROL. Name.	PATROL. Direction.	* Period of Time.	STATION AND DAY WATCHES. No.	STATION AND DAY WATCHES. Name.
3	Paul Slaght	West	Midnight to 2 a. m.	2	George W. Mastain
2	George W. Mastain	East	2 a. m. to 4 a. m.	3	Paul Slaght
			4 a. m. to ~~sunrise~~ 6.	4	William E. Wheeler
			~~Sunrise~~ 6 to 8 a. m.	5	Benhart E. Brammer
			8 a. m. to noon.	6	Roe L. McCauley
			Noon to 4 p. m.	7	Charlie Robinson
			after 4.20 4 p. m. to ~~sunset~~.		No watch stood
			Sunset to ..... p. m.		
			6 p. m. to 8 p. m.	2	George W. Mastain
5	Benhart E. Brammer	West	8 p. m. to 10 p. m.	4	William E. Wheeler
4	William E. Wheeler	East	10 p. m. to midnight.	5	Benhart E. Brammer

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged?

Do patrol clock dials show indentations at the proper times? Yes

Were telephonic reports made from patrol limits and properly recorded by station watch?

What drill, if any, was performed to-day? Surf boat

(State under "General Remarks" particulars of drill.)

RECORD OF ABSENCES AND SUBSTITUTES.

MEMBER OF CREW ABSENT. (Including keeper.)	EXACT PERIOD OF ABSENCE. (Hours and dates.)	CAUSE OF ABSENCE.	NAME OF SUBSTITUTE.
Roe L. McCauley	Midnight to 7.30 A.M.	Liberty	
Paul Slaght	9 A.M. to Midnight.	Liberty	
Charlie Robinsson	1½ hours boat	Mail	

Vessels Sighted from Station this day:

Ships

Barks

Brigs

Schooners 5

Steamers 16

Sloops

Barges in tow 3

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

1 Drilled with Surf boat Crew went to Riley Haven after station supplies & Comfortables & Bedspreads, white 6 Brooms 2 Brushes dust 2 Brushes paint 5-0 1 Bowl mixing 50 ft Hose cotton 2 inch 10 lbs Nails wire 8d 10 lbs Nails wire 10d 30 lbs Nails wire 20d 6 Sand paper 00 6 Sandpaper 1/2 6 Pin cups 1 Slipper 1 Brass matches 6 Mops 1 Dish pan 7 qt. 1 lb Paste polish 10 lbs Salsoda 60 lbs soap 6 Cakes Star Elegant 1 Table Cover oilcloth 10 yds Tapeling cloth 6 Chimneys #1 Burl 6 Lantern globes white 6 Lamp wicks flat #1 6 Lamp wicks No 2 B & H 2 Lanterns patent 1 Oil can 60 gal 50 lbs white Lead 5 gal Boiled oil 1 gal Boiled oil light 2 lbs Paint drop black 1 gal Turpentine 1 gal Sperm varnish 6 lbs Babbits 1 32 ft oar 2 Files flat 8 inch 1 Shovel long handle 50 Red C Bags 1 box Dixie Sunbeam 2 heaving sticks 2 lbs Leather 2 Torches with staffs 2 Projectiles Blue Night ensign 6 Coston signals 1 Print black ink 1 lb Scrap paper.

(If more space is needed, use letter paper.)

PATROL.			* PERIOD OF TIME.	STATION AND DAY WATCHES.	
No.	Name.	Direction.		No.	Name.
3	Paul Slaght	West	Midnight to 2 a. m.	2	George W. Mastain
2	George W. Mastain	East	2 a. m. to 4 a. m.	3	Paul Slaght
			4 a. m. to ~~sunrise~~ 6	4	William E. Wheeler
			~~Sunrise~~ 6 to 8 a. m.	5	Benhart E. Brammer
			8 a. m. to noon.	6	Rol L. McCauley
			Noon to 4 p. m.	7	Charlie Robinson
			after 4.20 4 p. m. to ~~sunset~~	1	No watch stood
			Sunset to ..... p. m.		
			6 p. m. to 8 p. m.	2	George W. Mastains
5	Benhart E. Brammer	West	8 p. m. to 10 p. m.	4	William E. Wheeler
4	William E. Wheeler	East	10 p. m. to midnight.	5	Benhart E. Brammer

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged? .....

Do patrol clock dials show indentations at the proper times? yes

Were telephonic reports made from patrol limits and properly recorded by station watch? .....

What drill, if any, was performed to-day? Surf-boat

(State under "General Remarks" particulars of drill.)

RECORD OF ABSENCES AND SUBSTITUTES.

MEMBER OF CREW ABSENT. (Including keeper.)	EXACT PERIOD OF ABSENCE. (Hours and dates.)	CAUSE OF ABSENCE.	NAME OF SUBSTITUTE.
Rol L. McCauley	Midnight to 7.30 A.M.	Liberty	
Paul Slaght	9 A.M. to Midnight	Liberty	
Charlie Robinson	1½ hours - boat	Mail	

Vessels Sighted from Station this day:

Ships .....

Barks .....

Brigs .....

Schooners 5

Steamers 16

Sloops .....

Barges in tow 3

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Drilled with Surf-boat Crew went to Glen Haven after station supplies 8 Comfortables 8 Bedspreads, White 6 Brooms 2 Brushes dusted Brushes paint 5-0 1 Bowl mixing 50 ft Rope cotton 2 inch 10 lbs Nails wire 8d 10 lbs Nails wire 10d 30 lbs Nails wire 20d 6 Sand paper 00 6 Sand paper 1½ 6 Tin cups 1 Dipper 1 Box matches 6 Mops 1 Dish pan 7 qt 1 lb Paste for fish 10 lbs Salsoda 60 lbs soap 6 Cakes Star Cleanser 1 Table Cover oil cloth 10 yds Toweling crash 6 Chimneys #1 Burl 6 Lantern globes white 6 Lamp wicks flat #16 Lamp wicks No 2 B C H 2 Lanterns patrol 1 Oil tank 60 gal 50 lbs white Lead 5 gal Boiled oil 1 gal Raw oil light 2 lbs Paint Lamp black 1 gal Turpentine 1 gal Spar varnish 6 lbs Babbitt 1 32 ft 6 oar 2 Files flat 8 inch 1 Shovel long handle 50 Red C. Bags 1 box Dial Indicator 2 Heaving sticks 2 lbs Leather 2 Torches with staff 2 Projectiles 1 Flag No 11 ensign 6 Code signals 1 Pint black ink 1 ft Scrap paper.

(If more space is needed, use letter paper.)

Crew launched surf-boat 4.20 P.M. and went to a steamer 2 miles N.E. of station lookout took her signal for a call crew rendered no assistance.

Charles Robinson
Keeper

Saturday, May 15 1915

CONDITION OF THE SURF.			
Midnight.	Sunrise.	Noon.	Sunset.
Smooth	Smooth	Smooth	Smooth
Light X	Light X	Light X	Light
Moderate	Moderate	Moderate	Moderate X
Strong	Strong	Strong	Strong
Rough	Rough	Rough	Rough
High	High	High	High
Very high	Very high	Very high	Very high

Weather Conditions at—	Wind. Direction.	Wind. Force.	State of Weather.	Barometer.	Thermometer.
Midnight	N.E	Light	Clear	29.40	45
Sunrise	Calm	Calm	Clear	29.38	42
Noon	N.E	Light	Hazy	29.35	50
Sunset	East	Brisk	Rain	29.22	55

PATROLS AND WATCHES.

In the blank spaces below enter the names and numbers of men on patrol and watch duty, the time of each, and direction patrolled. The patrols from all stations in a district (except as otherwise specifically authorized) shall be made in the same direction at the same time.

Patrol. No.	Patrol. Name.	Patrol. Direction.	Period of Time.*	Station and Day Watches. No.	Station and Day Watches. Name.
5	Harrett H. Adams	East	Midnight to 2 a. m.	4	Beuhart E. Brammer
4	Beuhart E. Brammer	West	2 a. m. to 4 a. m.	5	Harrett H. Adams
			4 a. m. to ~~sunrise~~ 6	6	Charlie Robinson
			~~Sunrise~~ 6 to 8 a. m.	7	John L. Dennett
			8 a. m. to noon.	1	Patrick J. McCauley
			Noon to 4 p. m.	2	George W. Mastain
			4 p. m. to ~~sunset.~~ 6	3	William E. Wheeler
			Sunset to ____ p. m.		
			6 p. m. to 8 p. m.	4	Beuhart E. Brammer
7	John L. Dennett	East	8 p. m. to 10 p. m.	6	Charlie Robinson
6	Charlie Robinson	West	10 p. m. to midnight.	7	John L. Dennett

* Where a schedule other than that indicated is used, the time should be written in nearest corresponding spaces, beginning each day with first watch after midnight.

Answer such questions as apply to your station.

Have all patrol checks been properly exchanged?

Do patrol clock dials show indentations at the proper times? yes

Were telephonic reports made from patrol limits and properly recorded by station watch?

What drill, if any, was performed to-day? Fire drill
(State under "General Remarks" particulars of drill.)

Are all the buildings thoroughly clean and the station premises neat and well kept? yes

Is the apparatus in good condition? yes

RECORD OF ABSENCES AND SUBSTITUTES.

Member of Crew Absent. (Including keeper.)	Exact Period of Absence. (Hours and dates.)	Cause of Absence.	Name of Substitute.
Patrick J. McCauley	Midnight to 7:30 A.M.	Liberty	
Harrett H. Adams	8 A.M. to Midnight	Liberty	
Charlie Robinson	12 hours for	Mail	

Vessels Sighted from Station this day:

Ships	
Barks	
Brigs	
Schooners	2
Steamers	35
Sloops	
Barges in tow	

GENERAL REMARKS.

(Under this head are to be stated all transactions relating to house or service.)

Fire drill 30 seconds, Crew scrubbed and cleaned station. Keeper and to surfman went to Glenhaven after mail. Changed Key's in Chest patrol front took out No 5, Key put No 6 Key in and found post in good condition.

Charles Robinson
Keeper

S—496 a

APPENDIX II.

From the United States Life-Saving Service, Wreck Reports of Stations, 1902-1909, Record Group 26, The National Archives, Washington, D.C.

Office of Superintendent
12th Life Saving District
Grand Haven, Mich. JUL 13 1904

193

Str. "Black Rock."

FORM 1806.

UNITED STATES LIFE-SAVING SERVICE.

WRECK REPORT.

(Name of Vessel:)

Black Rock

(Date of Disaster:)

July 8th, 1904.

Sleeping Bear Point Station,

Twelfth District.

William Walker
Keeper.

July 10th, 1904.

Page 196

2—1258

TREASURY DEPARTMENT
JUL 15 1 PM 1904

FORM 1806.

WRECK REPORT.

Sleeping Bear Point Life-Saving Station, Twelfth District.

Date of Disaster:

July 2 nd, 1904

1.	Name of vessel.	Str Black Rock.
2.	Rig and tonnage.	1997 S. Gamer. 1227 tons.
3.	Hailing port and nationality.	Michigan City Ind. American.
4.	Age.	Built in 1897
5.	Official number.	No 3221
6.	Name of master.	J. P. Hansen
7.	Names of owners.	R. G. Dunham
8.	Where from.	Buffalo N.Y.
9.	Where bound.	Chicago. Ill.
10.	Number of crew, including captain.	10
11.	Number of passengers.	None
12.	Nature of cargo.	Hard coal
13.	Estimated value of vessel.	$ 70.000
14.	Estimated value of cargo. $ 15,000 Est.	Not known
15.	Exact spot where wrecked.	Sleeping Bear Point mich.
16.	Direction and distance from station.	West 1.000 feet from Station.
17.	Supposed cause of wreck (specifying particularly).	off course in a heavy fog.
18.	Nature of disaster, whether stranded, sunk, collided, etc.	stranded
19.	Distance of vessel from shore at time of accident.	900 feet
20.	Time of day or night.	10.40 a m
21.	State of wind and weather.	S.W. Light fog.
22.	State of tide and sea.	Smooth
23.	Time of discovery of wreck.	10.40 a m
24.	By whom discovered.	Robert B. Smith. No 9
25.	Time of arrival of station-crew at wreck.	10.45 a m
26.	Time of return of station-crew from wreck.	7 40 P m
27.	Were any of the station-crew absent from wreck? If so, who?	No
28.	Was life-boat used?*	No
29.	Number of trips with life-boat.	None
30.	Number of persons brought ashore in life-boat.	None
31.	Was surf-boat used?*	Monomoy Surfboat
32.	Number of trips with surf-boat.	Six 6
33.	Number of persons brought ashore with surf-boat.	one the Captain.
34.	Was small boat used?	No
35.	Number of trips with small boat.	No
36.	Number of persons brought ashore with small-boat.	No

9—1266

*Specify model or make of boat.

37. Time of launching boat.	37.	10.45 am.
38. Was Lyle gun, Hunt gun, or rocket used (which, if either)?	38.	
39. Charge of powder used.	39.	
40. Size of shot-line used.	40.	
41. Distance of wreck from shore when shot was fired.	41.	
42. Number of shots fired.	42.	
43. If any shots were unsuccessful, state cause of failure in each case.	43.	
44. Was whip-line sent on board double or single?	44.	Not used
45. If anything occurred to interfere with favorable operations, state fully nature and cause.	45.	Not any
46. Was heaving-stick used?	46.	
47. Was life-car used?	47.	
48. Number of trips of life-car.	48.	
49. Number of persons brought ashore in life-car.	49.	
50. Was breeches-buoy used?	50.	
51. Number of trips of breeches-buoy.	51.	
52. Number of persons brought ashore with breeches-buoy.	52.	
53. Was life-saving dress used, and how?	53.	
54. Number of lives saved, with names and residence.	54.	all saved 10
55. Number of lives lost, with names and residence.	55.	none
56. State fully the circumstances of the loss of each life.	56.	none lost
57. State damage, if any, to boat or apparatus.	57.	None
58. Was vessel saved or lost?	58.	saved

3-1358

59. Amount of damage, if saved.	59. No damage.
60. Estimated value of cargo saved, and its condition.	60. Not known condition good
61. Estimated value of cargo lost.	61. none lost.
62. Amount of insurance on vessel.	62. Not known
63. Amount of insurance on cargo.	63. Not known
64. Number of persons sheltered at station, how long, and total number of meals furnished.	64. None
65. Number and names of persons resuscitated from apparent death by drowning or exposure to cold.	65. none
66. Number of persons found after death and cared for.	66. None
67. Were any other persons than members of the life-saving crew employed by the keeper to assist? If so, who?	67 No
68. Remarks.—All particulars not included in the above list will be here stated, giving specially the nature of the assistance rendered by the Life-Saving Service; and if the wreck occurred at a time when the crew was not employed at the station, give the names of those persons who rendered assistance, using additional sheets of paper if necessary. Whenever the circumstances make it necessary to hire horses to transport the boat or apparatus to or from the scene of disaster, that fact should be noted, giving the name of the person from whom the team was hired.	68 at 10.40 a.m the S Steamer Bleack Rock. bound from Buffalo N.Y. to Chicago Ill. with a carg. of hard coal. stranded on the Beach in a fog. 1.000 feet West of Sleeping Bear Point L.S. Station 12. Dist. Lake Michigan. surfmen launched surfboat and pulled to her and give all the assistance they could. in running lines. taking sounding. and sending Dispatches. Etc. and with the help of the S. Steamer P. W. Fletcher. of Manistee Mich. and the tug Holden of Frankfort Mich. succeeded in getting her afloat at 7.30 P.m same day. crew left Station at 10.45. a.m and returned to Station at 7.40 P.m

DATE OF REPORT:

July 10 th, 1904.

William Gratiot
Keeper.

NOTE.—Two copies of the above to be filled up and sent to the District Superintendent, who will forward one to the office of the General Superintendent. Copy to be entered upon the Journal.

Vol. 11 L. S. 208

Str. "Black Rock".

Form 1803.

UNITED STATES LIFE-SAVING SERVICE.

PRELIMINARY WRECK REPORT.

(Name of vessel:)

Black Rock.

(Date of disaster:)

July 9 th, 1894

Sleeping Bear Point Station,

District No. 12

William Walker
Keeper.

July 10 th, 1894

V

JUL 9 1894

Form 1805.
(Ed. 1-15-'98—500.)

PRELIMINARY WRECK REPORT,

Sleeping Bear Point- LIFE-SAVING STATION, DISTRICT NO. 12

☞ This report will be filled up by the Keeper immediately after the occurrence of a wreck, and mailed to the General Superintendent of the Life-Saving Service, Washington, D. C.

DATE OF DISASTER:

July 9 th, 1894

1. Name of vessel	1. Black Rock.
2. Hailing port and nationality	2. Michigan City Ind. American
3. Rig	3. S Steamer.
4. Number of persons on board	4. 16
5. Where from and where bound	5. Buffalo N.Y. to Chicago Ill.
6. Cargo, nature of	6. Hard coal
7. Wind, weather, and state of sea	7. S W fog Smooth
8. Time of day or night	8. 10.40 a.m.
9. State of the tide, sea, wind, and weather	9. Smooth S W fog.
10. Exact spot where wrecked	10. Sleeping Bear Point- Mich
11. Direction and distance from station	11. 1000 feet West of Station
12. Distance from shore at time of accident	12. 300 feet-
13. Supposed cause of wreck	13. ~~off~~ course in heavy fog
14. Number of persons on board	14. 16
15. Number of lives lost	15. None
16. REMARKS: (Nature of services rendered will be concisely stated)	16. Running lines taking sounding and sending Dispatches and stayed by the S Steamer until she got a float and went on her way. No damage done

DATE OF REPORT:

July 10 th, 1894

William Wallace
Keeper

APPENDIX III.

From U.S. Life-Saving Service, List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station, Twelfth District, Letters Received 77665, Record Group 26, The National Archives, Washington, D.C.

L.R-71665 5-9/308

Original.

List of articles of outfit for the

Sleeping Bear Point

Life-saving Station,

Twelfth District.

June 24. 1901.

Freight, cartage &c, $41.98, LR 78751.

RECEIVED
APR 5 1902

Post office address:

KEEPER Sleeping Bear Point
LIFE-SAVING STATION Glen Haven,
Michigan

Shipping direction:

KEEPER Sleeping Bear Point
LIFE-SAVING STATION Glen Haven,
Mich.

via Chicago thence by
Northern Michigan
Transportation Co
Mem. Freight to Chicago, Ill. Ill.

"G H." "Meaning Grand Haven storehouse.
"N.Y." " New York.
"O.M." " open market purchase.
"CONT." " contractor or contractors.
"B.S.H." " boat storage house New Jersey.

THE UNITED STATES,
DR.

List of articles of outfit for the
Sleeping Bear Point station, 12th Dist.

6/24/[illegible] Date of purchase, ... ; authorized by letter dated .....

ARTICLES.	AMOUNT.

Mich.

via Chicago thence by
Northern Michigan
Transportation Co.
Mem. Freight to Chicago, Ill. Ill.
" G.H." Meaning Grand Haven storehouse.
" N.Y." " New York.
" O.M." " open market purchase.
" CONT" " contractor or contractors.
" B.S.H." " boat storage house New Jersey.

THE UNITED STATES,

List of articles of outfit for the
Sleeping Bear Point station, 12th Dist.
DR.

6/24/11 Date of purchase, ; authorized by letter dated

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		BEDS AND BEDDING.				
G.H.	1 10	Beds, iron, single, with best quality woven wire mattresses combined, per sample ..... each.	STOREHOUSE GRAND HAVEN,			
G.H.	2 24 pairs	Blankets, 8 pounds per pair, gray, per sample per pair.	STOREHOUSE GRAND HAVEN,			
	3	Blankets, all wool, gray, 8 pounds per pair, 4 points, U. S. L. S. S. woven in fabric, "Oregon City Woolen Mills," per sample ..... per pair.				
	4	Blankets, all pure new wool stock, gray, 8 pounds per pair, U. S. L. S. S. woven in fabric, Bandon Woolen Mills Co.'s, per sample ..... per pair.				
G.H.	5 10	Mattresses, stuffed with fine fiber rattan, heavy cotton tops, square edges, bound, weight 27 pounds, 6 feet 2 inches by 2 feet 6 inches, A.C.A. ticking ..... each.	STOREHOUSE GRAND HAVEN,			
G.H.	6 10	Mattress covers, Park check, No. 90, to fit mattresses, item No. 5 ..... each.	STOREHOUSE GRAND HAVEN,			
G.H.	7 10	Pillows, feather, first quality, new, live geese, 20 x 30 inches, weight 3 pounds, A. C. A. ticking ... each.	STOREHOUSE GRAND HAVEN,			
	8 20	Pillowcases, 23 x 35 inches, 1-inch hem, "Utica Mills" ..... each.	STOREHOUSE GRAND HAVEN,			
	9 20	Pillow covers, Park check, No. 90, to fit pillows, item No. 7 ..... each.	STOREHOUSE GRAND HAVEN,			
	10 40	Sheets, brown, two yards to weigh 1 pound, 76 woof, 72 warp, 7-4, 2½ yards long, hemmed and made ..... each.	STOREHOUSE GRAND HAVEN,			

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward.....				
		BLOCKS AND SHEAVES.				
11	2	Blocks, breeches buoy, English pattern, per sample, each.				
12	2	Blocks, double, 8 inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks....each.				
13	1	Blocks, double, 10-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks....each.				
14	2	Blocks, double, 8-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets.....each.				
15	1	Blocks, double, 10-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets.....each.				
16	2	Blocks, galvanized iron, combination snatch, per sample.....each.				
17	1	Blocks, single, 8 inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks....each				
18	1	Blocks, single, 10 inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks ....each.				
19	1	Blocks, single, 8-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets.....each				
20	1	Blocks, single, 10-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets.....each				
21	3	Blocks, single, 6-inch, inside galvanized iron strapped, open galvanized iron sheaves, swivel eye with thimble, ash shell, 18-foot tail of 2½-inch manila, per sample.....each.				
22		Blocks, triple, 12-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks....each.				
23		Blocks, triple, 12 inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets.....each.				
24		Blocks, triple, 10-inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks....each.				

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STOREHOUSE GRAND HAVEN,

G H.

25		Blocks, triple, 8 inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks ... each.		
26		Blocks, triple, 10 inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets ... each		
27		Blocks, triple, 8 inch, inside galvanized iron strapped, galvanized iron sheaves, with best composition roller bushings and loose hooks and beckets ... each.		
28		Sheaves, open, galvanized iron, bushed, 3½ x $1\frac{5}{16}$ inch (for tail blocks) ... each.		
29		Sheaves, galvanized iron, best composition roller bushings, 3½ x $1\frac{5}{16}$ inch ... each.		
30		Sheaves, galvanized iron, best composition roller bushings, 5 x $1\frac{1}{16}$ inch ... each.		
31		Sheaves, galvanized iron, best composition roller bushings, $6\frac{1}{2}$ x $1\frac{5}{16}$ inch ... each.		
32		Sheaves, galvanized iron, best composition roller bushings, 8 x 1¾ inch ... each.		
		CORDAGE.		
		(Circumference in inches.)		
		Hawsers, 3-inch.		
H. 33	1	Bolt rope, best manila, right-hand laid, one red yarn throughout the entire length of one strand (150 fathoms each) ... per pound.		STOREHOUSE GRAND HAVEN,
34	1	Hawser Bolt rope, best manila, right-hand laid, one red yarn throughout the entire length of one strand (235 fathoms each) ... per pound.		STOREHOUSE GRAND HAVEN,
		Whip Lines, 1½-inch.		
35		Bolt rope, best manila, right-hand laid, one red yarn throughout the entire length of one strand (300 fathoms each) ... per pound.		
36		Bolt rope, best manila, right-hand laid, one red yarn throughout the entire length of one strand (450 fathoms each) ... per pound		
		Whipline.		
H. 37	1	Bolt rope, best manila, left-hand laid, one red yarn throughout the entire length of one strand (300 fathoms each) ... per pound.		STOREHOUSE GRAND HAVEN,
38	2	Whiplines. Bolt rope, best manila, left-hand laid, one red yarn throughout the entire length of one strand (450 fathoms each) ... per pound.		STOREHOUSE GRAND HAVEN,
		Miscellaneous Sizes.		
		(Circumference in inches unless otherwise noted.)		
39	170 lb.	Bolt rope, best manila, 2½ inch ... per pound.		STOREHOUSE GRAND HAVEN,
H. 40	10 lb.	Best manila, long fiber, smooth laid, 6-thread, per pound.		STOREHOUSE GRAND HAVEN,
		Amount carried forward ...		

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
41		Best manila, long fiber, smooth laid, 9 thread, per pound.				
42	25 lbs	Best manila, long fiber, smooth laid, 12 thread, per pound.	STOREHOUSE GRAND HAVEN,			
43	75 lbs	Best manila, long fiber, smooth laid, 1¼-inch, per pound.	STOREHOUSE GRAND HAVEN,			
44	50 lbs	Best manila, long fiber, smooth laid, 1½-inch, per pound.	STOREHOUSE GRAND HAVEN,			
45		Best manila, long fiber, smooth laid, 1¾ inch, per pound.				
46		Best manila, long fiber, smooth laid, 2 inch, per pound.				
47		Best manila, long fiber, smooth laid, 2¼-inch, per pound.				
48	50 lbs	Best manila, long fiber, smooth laid, 2½-inch, per pound.	STOREHOUSE GRAND HAVEN,			
49	75 lbs	Best manila, long fiber, smooth laid, 3-inch, per pound.	STOREHOUSE GRAND HAVEN,			
50		Best manila, long fiber, smooth laid, 4-inch, per pound.				
51		Best manila, long fiber, smooth laid, 4½-inch, per pound.				
52	10 lbs	Best Russia hemp, 12 thread ..... per pound.	STOREHOUSE GRAND HAVEN,			
53	10 lbs	Best Russia hemp, 15-thread ..... per pound.	STOREHOUSE GRAND HAVEN,			
54	5 lbs	Halyards, signal, No. 7, braided, Italian hemp, in coils ..... per pound.	STOREHOUSE GRAND HAVEN,			
55	10 lbs	Marline hemp (5 and 10 pound coils) ..... per pound.				
56	10 lbs	Spun yarn, hemp, 2-yarn (5 and 10 pound coils), per pound.				
		CROCKERY.				
57	2	Bowls, mixing, yellow, 6-quart ..... each.	STOREHOUSE GRAND HAVEN,			
58	2	Bowls, sugar, without handles, with covers, best ironstone china ..... each.	STOREHOUSE GRAND HAVEN,			
59	2 sets	Cups, coffee, without handles, with saucers, best ironstone china (set to consist of 6 cups and 6 saucers) ..... per set.	STOREHOUSE GRAND HAVEN,			

60		Cups, coffee, without handles, best ironstone china, each.	
61	2	Dishes, baking, yellow, 10-inch ..... each.	STOREHOUSE GRAND HAVEN,
62	3	Dishes, butter, with covers and drainers, best ironstone china, 5 inch ..... each.	STOREHOUSE GRAND HAVEN,
63	4	Dishes, vegetable, 10-inch, with covers, best ironstone china ..... each.	STOREHOUSE GRAND HAVEN,
64	1	Jugs, stone, 1-gallon ..... each.	STOREHOUSE GRAND HAVEN,
65	1	Jugs, stone, 2-gallon ..... each.	STOREHOUSE GRAND HAVEN,
66	1	Jugs, stone, 3-gallon ..... each.	STOREHOUSE GRAND HAVEN,
67	2	Pitchers, milk, 1-quart, best ironstone china ..... each.	STOREHOUSE GRAND HAVEN,
68	2	Pitchers, molasses, 1-pint, heavy glass, white metal covers ..... each.	STOREHOUSE GRAND HAVEN,
69	2	Pitchers, water, best ironstone china, 6's ..... each.	STOREHOUSE GRAND HAVEN,
70	1½ doz	Plates, dinner, 10-inch, best ironstone china, per dozen.	STOREHOUSE GRAND HAVEN,
71	1 doz	Plates, soup, 10-inch, best ironstone china, per dozen.	STOREHOUSE GRAND HAVEN,
72	2	Platters, meat, oval, 14-inch, best ironstone china, each.	STOREHOUSE GRAND HAVEN,
73	2	Saltcellars, pressed glass, plain, heavy, largest size ..... each.	STOREHOUSE GRAND HAVEN,
74	1 doz	Tumblers, table, pressed glass, plain, extra heavy, largest size ..... per dozen.	STOREHOUSE GRAND HAVEN,

FURNITURE.

75	12	Chairs, office, hard wood, back of bent wood in one piece, with five upright rungs, one ¼-inch iron rod with head and nut, on each side through seat and side rungs, per sample ..... each.	STOREHOUSE GRAND HAVEN,
76	1	Tables, extension, 3½ x 10 feet, solid oak, round, drop leaves, iron brackets, iron hinges, five legs fastened to frame with bolts, nuts, and washers, and iron clasps on underside of tops to fasten tables when closed, brass casters, set up single, tops burlaped ..... each.	STOREHOUSE GRAND HAVEN,
77	2	Tablecloths, Turkey, "Toilenette," with variegated stripes, 67 inches x 3 yards, ends hemmed, per sample ..... each.	STOREHOUSE GRAND HAVEN,
78	2	Table covers, oilcloth, white marble pattern, 1¼ x 4 yards, each rolled on 1½-inch roller 46 inches long ..... each.	STOREHOUSE GRAND HAVEN,

Amount carried forward .....

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
G H. 79	12 yds	Toweling, linen, crash, light, 18-inch, best quality, per yard	STOREHOUSE GRAND HAVEN,			
G H. 80	12 yds	Toweling, linen, crash, heavy, 18-inch, best quality, per yard	STOREHOUSE GRAND HAVEN,			
		HARDWARE.				
81	2	Brackets, brass, cast, 5½ x 7 inches, with brass screws ..... each	STOREHOUSE GRAND HAVEN,			
G H. 82	2	Brackets, iron, cast, japanned, plain, 12 x 14 inches, with screws ..... each	STOREHOUSE GRAND HAVEN,			
83		Burrs, copper, No. 15 (for 1-inch nails) ..per pound				
84		Burrs, copper, No. 14 (for 1¼-inch nails) ..per pound				
85		Burrs, copper, No. 12 (for 3-inch nails) ..per pound				
H. 86	2	Coal hods, 18-inch, No. 20 galvanized iron, Iron Clad Co.'s or equal ..... each	STOREHOUSE GRAND HAVEN,			
87		Coffee mills, box, per sample ..... each				
G H. 88	1	Coffee mills, side, Parker's No. 460 ..... each	STOREHOUSE GRAND HAVEN,			
89		Couplings, brass, for 1½ inch discharge hose ..per set				
90		Couplings, brass, for 2 inch discharge hose ..per set				
91		Couplings, brass, for 2½ inch discharge hose ..per set				
92	6 sheets	Emery cloth, No. 00, Baeder, Adamson & Co.'s, per sheet	STOREHOUSE GRAND HAVEN,			
93	6 sheets	Emery cloth, No. 1½, Baeder, Adamson & Co.'s, per sheet	STOREHOUSE GRAND HAVEN,			
94	6 sheets	Emery cloth, No. 3, Baeder, Adamson & Co.'s, per sheet	STOREHOUSE GRAND HAVEN,			
G H. 95	1	Flour sieves, seamless, tin rim, 12⅞ inches diameter, No. 18 mesh ..... each	STOREHOUSE GRAND HAVEN,			
96	1	Forks, carving, rubber handles, with bolsters, Russell's or Northampton Cutlery Co.'s ..... each	STOREHOUSE GRAND HAVEN,			
97	1	Forks, flesh, 18-inch, 3 prongs, malleable iron, retinned ..... each	STOREHOUSE GRAND HAVEN,			
98	1	Funnels, corrugated, 1-quart, 4X tin ..... each	STOREHOUSE GRAND HAVEN,			
99	1	Funnels, corrugated, 1-quart, 4X tin, with brass wire-cloth strainers ..... each	STOREHOUSE GRAND HAVEN,			

100		Hasps, wrought iron, galvanized, 7 inch, with staples, Stanley's or Brewer's ..... each.	
101		Hinges, strap, heavy, 6 inch, wrought iron, galvanized, brass pins, with screws, Stanley's ..per pair.	
102		Hinges, strap, heavy, 8 inch, wrought iron, galvanized, brass pins, with screws, Stanley's..per pair.	
103		Hooks, clothes, medium size, japanned, with screws ..... per dozen	
104		Hooks, harness, galvanized, 8-inch, with screws, per dozen	
105		Hooks, hat and coat, No. 14, japanned, with screws .....per dozen	
106		Hooks, wrought iron, galvanized, 6 inch, with staples..... each	
107		Hose, carbon, ¾ inch delivery, in 50 foot lengths, coupled with brass shank couplings and "Sherman's" brass hose bands, with iron bolt and nut.....per foot.	
108		Hose, cotton, 1½-inch delivery, in 50 foot lengths, coupled with brass shank couplings and "Sherman's" brass hose bands, with iron bolt and nut, "Warwick," mildew and rot proof, "Safety" brand, or equally good.....per foot	
G H.	109	150 feet Hose, cotton, 2 inch delivery, in 50 foot lengths, coupled with brass shank couplings and "Sherman's" brass hose bands, with iron bolt and nut, "Warwick," mildew and rot proof, "Safety" brand, or equally good..... per foot	STOREHOUSE GRAND HAVEN,
110		Hose, cotton, 2½ inch delivery, in 50 foot lengths, coupled with brass shank couplings and "Sherman's" brass hose bands, with iron bolt and nut, "Warwick," mildew and rot proof, "Safety" brand, or equally good.....per foot	
111		Hose, rubber, hard, standard quality, 4 ply, 1½-inch delivery, for suction.....per foot.	
G H.	112	20 ft Hose, rubber, hard, standard quality, 4 ply, 2-inch delivery, for suction .....per foot	STOREHOUSE GRAND HAVEN,
113		Hose, rubber, hard, standard quality, 4-ply, 2½ inch delivery, for suction ..... per foot	
G H.	114	2 sets Knives and forks, dinner, best shear steel, rubber handles, with metal bolsters, Russell's, Northampton Cutlery Co.'s, or L. & G. (set to consist of 6 knives and 6 forks) .....per set.	STOREHOUSE GRAND HAVEN,
	115	2 Knives, butcher, best shear steel, 7 inch blade, cocoa or beech handles, with metal bolsters, Russell's, Northampton Cutlery Co.'s, or L. & G .....each	STOREHOUSE GRAND HAVEN,
	116	1 Knives, carving, best shear steel, 12-inch blade, rubber handles, with metal bolsters, Russell's, Northampton Cutlery Co.'s, or L. & G.....each.	STOREHOUSE GRAND HAVEN,
		Amount carried forward.....	

	Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
			Amount brought forward				
G H.	117	1	Knives, mincing, best cast steel, single blade, polished, No. 1, plain handle ..... each.	STOREHOUSE GRAND HAVEN,			
	118	1	Knives, putty, 6-inch, square, elastic, riveted handles ..... each.	STOREHOUSE GRAND HAVEN,			
	119	2	Match safes, iron, japanned, large, self-closing, each.	STOREHOUSE GRAND HAVEN,			
	120	1	Measures, lipped, 4X tin, gallon ..... each.	STOREHOUSE GRAND HAVEN,			
	121	1	Measures, lipped, 4X tin, quart, graduated measure ..... each.	STOREHOUSE GRAND HAVEN,			
	122	2 lbs	Nails, boat, copper, 1-inch ..... per pound.	STOREHOUSE GRAND HAVEN,			
	123	2 lbs	Nails, boat, copper, 1¼-inch ..... per pound.	STOREHOUSE GRAND HAVEN,			
	124		Nails, boat, copper, 3 inch ..... per pound.				
G H.	125	5 lbs	Nails, boat, galvanized, Swedish iron, 1-inch, per pound.	STOREHOUSE GRAND HAVEN,			
	126	5 lbs	Nails, boat, galvanized, Swedish iron, 1¼-inch, per pound.	STOREHOUSE GRAND HAVEN,			
	127	5 lbs	Nails, boat, galvanized, Swedish iron, 3-inch, per pound.	STOREHOUSE GRAND HAVEN,			
	128	5 lbs	Nails, cut, 6d ..... per pound.	STOREHOUSE GRAND HAVEN,			
	129		Nails, cut, 8d ..... per pound.				
	130		Nails, cut, 10d ..... per pound.				
N Y.	131	5 lbs	Nails, cut, 20d ..... per pound.	STOREHOUSE NEW YORK CITY,			
G H.	132	5 lbs	Nails, cut, galvanized, 6d ..... per pound.	STOREHOUSE GRAND HAVEN,			
	133	5 lbs	Nails, cut, galvanized, 8d ..... per pound.	STOREHOUSE GRAND HAVEN,			
	134		Nails, cut, galvanized, 10d ..... per pound.				
	135		Nails, cut, galvanized, 20d ..... per pound.				
	136		Nails, wire, common, 2d ..... per pound.				
	137		Nails, wire, common, 4d ..... per pound.				
	138		Nails, wire, common, 6d ..... per pound.				
G H.	139	25 lbs	Nails, wire, common, 8d ..... per pound.	STOREHOUSE GRAND HAVEN,			
	140	25 lbs	Nails, wire, common, 10d ..... per pound.	STOREHOUSE GRAND HAVEN,			
	141		Nails, wire, common, 16d ..... per pound.				

	142	50 lbs	Nails, wire, common, 20d ..... per pound.		STOREHOUSE GRAND HAVEN,
	143	5 lbs	Nails, wrought, 6d ..... per pound.		STOREHOUSE GRAND HAVEN,
G H.	144	5 lbs	Nails, wrought, 8d ..... per pound.		STOREHOUSE GRAND HAVEN,
	145	5 lbs	Nails, wrought, 10d ..... per pound.		STOREHOUSE GRAND HAVEN,
	146	5 lbs	Nails, wrought, galvanized, 6d ..... per pound.		STOREHOUSE GRAND HAVEN.
	147	5 lbs	Nails, wrought, galvanized, 8d ..... per pound.		STOREHOUSE GRAND HAVEN,
	148		Nails, wrought, galvanized, 10d ..... per pound.		
	149		Nozzles, brass, C. L. E., for ¾ inch discharge hose, each.		
	150		Nozzles, brass, for 1½-inch discharge hose ..... each.		
G H.	151	1	Nozzles, brass, for 2-inch discharge hose ..... each.		STOREHOUSE GRAND HAVEN,
	152		Nozzles, brass, for 2½-inch discharge hose ..... each.		
	153	3	Padlocks, brass, 3-tumbler, 3 inches long, with drop plates and duplicate keys ..... each.		STOREHOUSE GRAND HAVEN,
	154	2	Pans, dust, japanned, best heavy tin, ordinary house size, half covered, steel edge ..... each.		STOREHOUSE GRAND HAVEN,
	155	1 doz sheet	Paper, sand, Baeder, Adamson & Co.'s, No. 00, per sheet.		STOREHOUSE GRAND HAVEN,
	156	1 doz sheet	Paper, sand, Baeder, Adamson & Co.'s, No. 1½, per sheet.		STOREHOUSE GRAND HAVEN,
G H.	157	1 doz sheet	Paper, sand, Baeder, Adamson & Co.'s, No. 3, per sheet.		STOREHOUSE GRAND HAVEN,
	158	2	Pepper boxes, planished, 2¼ x 3½ inches ..... each.		STOREHOUSE GRAND HAVEN,
	159	1	Rakes, garden, 14 teeth, cast steel, 6-ft. handles, each.		STOREHOUSE GRAND HAVEN,
	160	1	Scale beams, No. 2, common, japanned, light, 500 pounds capacity ..... each.		STOREHOUSE GRAND HAVEN,
	161	2 doz	Screw eyes, cast brass, ½-inch hole, 1-inch shank, per sample ..... per dozen.		STOREHOUSE GRAND HAVEN,
	162	1	Screws, bench, beech or birch wood, 2½-inch, 24 inches long ..... each.		STOREHOUSE GRAND HAVEN,
	163		Screws, brass, flat heads, gimlet points, ½-inch, No. 6 ..... per gross.		
	164		Screws, brass, flat heads, gimlet points, ⅝-inch, No. 7 ..... per gross.		
G H.	165	½ gross	Screws, brass, flat heads, gimlet points, ¾-inch, No. 8 ..... per gross.		STOREHOUSE GRAND HAVEN,
	166	½ gross	Screws, brass, flat heads, gimlet points, 1-inch, No. 10 ..... per gross.		STOREHOUSE GRAND HAVEN,
	167		Screws, brass, flat heads, gimlet points, 1¼-inch, No. 13 ..... per gross.		
			Amount carried forward		

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
168		Screws, brass, flat heads, gimlet points, 1½-inch, No. 14 ..... per gross.				
169		Screws, brass, flat heads, gimlet points, 1¾-inch, No. 15 ..... per gross.				
170		Screws, brass, flat heads, gimlet points, 2-inch, No. 16 ..... per gross.				
171		Screws, iron, flat heads, gimlet points, ½-inch, No. 5, per gross.				
172		Screws, iron, flat heads, gimlet points, ⅝-inch, No. 6, per gross.				
173		Screws, iron, flat heads, gimlet points, ¾-inch, No. 7, per gross.				
H.	174 ½ gro	Screws, iron, flat heads, gimlet points, 1-inch, No. 9, per gross.	STOREHOUSE GRAND HAVEN,			
175		Screws, iron, flat heads, gimlet points, 1¼-inch, No. 12 ..... per gross.				
H.	176 ½ gro	Screws, iron, flat heads, gimlet points, 1½-inch, No. 13 ..... per gross.	STOREHOUSE GRAND HAVEN,			
177		Screws, iron, flat heads, gimlet points, 1¾-inch, No. 14 ..... per gross.				
178	½ gro	Screws, iron, flat heads, gimlet points, 2-inch, No. 15 ..... per gross.	STOREHOUSE GRAND HAVEN,			
H. 179	2	Soap dishes, hanging, galvanized, Central Stamping Co.'s, No. 100, 4⅛ inches ..... each.	STOREHOUSE GRAND HAVEN,			
180	1 lb	Solder, best half-and-half ..... per pound.	STOREHOUSE GRAND HAVEN,			
181		Spanners, brass, for 1½-inch hose ..... each.				
Y. 182	2	Spanners, brass, for 2-inch hose ..... each.	STOREHOUSE NEW YORK CITY,			
183		Spanners, brass, for 2½-inch hose ..... each.				
H. 184	1	Spring balances, improved, 24 pounds by ½ pound, with rings and hooks attached ..... each.	STOREHOUSE GRAND HAVEN,			
185		Spikes, cut, black iron, 6-inch ..... per pound.				
186		Spikes, cut, black iron, 6½-inch ..... per pound.				
187		Spikes, cut, galvanized, 6-inch ..... per pound.				
188		Spikes, cut, galvanized, 6½-inch ..... per pound.				
189		Spittoons, indurated fiber, No. 2 ..... each.				

G H.	190	4	Spittoons, iron, porcelain lined, loaded, 8½ x 6 inches ..... each	STOREHOUSE GRAND HAVEN,
	191	2	Spoons, bread, forged iron, tinned, 18-inch ... each	STOREHOUSE GRAND HAVEN,
	192	1 doz	Spoons, table, pure white German silver, not less than 18 per cent nickel, perfectly plain in style, highly polished and finished, and shall measure 8 1/16 inches, and weigh 20 ounces avoirdupois to the dozen ..... per dozen	STOREHOUSE GRAND HAVEN,
G H.	193	1 doz	Spoons, tea, pure white German silver, not less than 18 per cent nickel, perfectly plain in style, highly polished and finished, and shall measure 5 1/16 inches, and weigh 9 5/32 ounces avoirdupois to the dozen ..... per dozen	STOREHOUSE GRAND HAVEN,
G H.	194	1/2 lb	Tacks, copper, in papers, size ½ inch, full weight, per pound	[illegible]
	195	1/2 lb	Tacks, copper, in papers, size ⅝ inch, full weight, per pound	[illegible] HAVEN,
	196		Tacks, copper, in papers, size ¾ inch, full weight, per pound	
	197		Tacks, galvanized iron, in papers, size 4-ounce, full weight ..... per pound	
	198		Tacks, galvanized iron, in papers, size 6-ounce, full weight ..... per pound	
	199		Tacks, galvanized iron, in papers, size 8-ounce, full weight ..... per pound	
	200		Tacks, galvanized iron, in papers, size 10-ounce, full weight ..... per pound	
	201		Tacks, galvanized iron, in papers, size 12-ounce, full weight ..... per pound	
G H.	202	1/2 lb	Tacks, black iron, in papers, size 8-ounce, full weight ..... per pound	STOREHOUSE GRAND HAVEN,
	203		Wire gauze, copper, No. 16 mesh, No. 28 wire, for door and window screens ..... per square foot	
G H.	204	4	Washbowls, IXXX, deep, tinned, flat bottom, retinned, with rings, 13 inches diameter .... each	STOREHOUSE GRAND HAVEN,
	205		Yellow sheet metal, 18-ounce ..... per pound	

LAMPS, LANTERNS, ETC.

G H.	206	2	Burners, lamp, kerosene, No. 1, "Queen Anne," each	STOREHOUSE GRAND HAVEN,
	207	2	Burners, lamp, kerosene, No. 2, "Queen Anne," each	STOREHOUSE GRAND HAVEN,

Amount carried forward .....

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
208		Burners, lamp, kerosene, No. 0, central draft, per sample ..... each.				
209		Burners, lamp, kerosene, No. 2, central draft, per sample ..... each.				
210		Burners, lantern, kerosene, No. 1, styles as required, each.				
211		Burners, lantern, kerosene, No. 2, styles as required, each.				
212	1/2 doz	Burners, lantern, No. 2, tubular (for No. 0 tubular lift-wire lantern) ..... per dozen.	STOREHOUSE GRAND HAVEN,			
213	1/4 doz	Burners, lantern, No. 1, tubular (long cone and long shaft for No. 0 reflector lantern) ..... per dozen.	STOREHOUSE NEW YORK CITY,			
214		Chimneys, No. 0, for B. & H. lamp, per sample, per dozen.				
215	2 doz	Chimneys, No. 2, for B. & H. lamp ..... per dozen.	STOREHOUSE GRAND HAVEN,			
216		Chimneys, No. 0, "Pearl Top" or "Pearl Glass," per sample ..... per dozen.				
217		Chimneys, No 1, "Pearl Top" or "Pearl Glass," per sample ..... per dozen.				
218		Chimneys, No. 2, "Pearl Top" or "Pearl Glass," per sample ..... per dozen.				
219	1/4 doz	Globes, green, for "Dietz" No. 0, lift-wire, tubular lanterns, with guards ..... per dozen.	STOREHOUSE GRAND HAVEN,			
220	1/4 doz	Globes, ruby, for "Dietz" No. 0, lift-wire, tubular lanterns, with guards ..... per dozen.	STOREHOUSE GRAND HAVEN,			
221	1 doz	Globes, white, for "Dietz" No. 0, lift-wire, tubular lanterns, with guards ..... per dozen.	STOREHOUSE GRAND HAVEN,			
222		Lamps, hand, metal, kerosene, central draft, No. 0 burner, complete, with chimney ..... each.				
223	2	Lamps, hanging, brown or brass finish, length 29 inches, with metal rings, 1-quart metal font, central draft, with chimney, burner, smoke bell, tin shade, and screw hook, iron, wire bossed, brown or brass finish, 3 inches from boss to point of screw, complete ..... each.	STOREHOUSE GRAND HAVEN,			
224	2	Lamps, table, metal, kerosene, central draft, No. 2 burner, with 10-inch tin reflector shade, complete, with chimney ..... each.	STOREHOUSE GRAND HAVEN,			
225	1	Lamp fillers, quart, best heavy block tin, to close air-tight ..... each.	STOREHOUSE GRAND HAVEN,			

	226	1	Lamp trimmers, "Challenge," No. 40, polished blades ..... each.	STOREHOUSE GRAND HAVEN,
G H.	227	2 doz	Lampwick, flat, woven, No. 1 (⅞-inch) ..per dozen.	STOREHOUSE GRAND HAVEN,
	228	2 doz	Lampwick, flat, woven, No. 2 (1-inch) ..per dozen.	STOREHOUSE GRAND HAVEN,
	229		Lampwick, flat, woven, No. 3 (1¼-inch) ..per dozen.	
G H.	230	1 doz	Lampwick, woven, No. 2, for B. and H. lamps, per dozen.	STOREHOUSE GRAND HAVEN,
	231		Lampwick, yarn. ..... per pound.	
	232	1	Lanterns, beach, japanned, with wings and staves and 12 extra lights of glass, per sample ..... each.	STOREHOUSE GRAND HAVEN,
G H.	233	6	Lanterns, tubular, "Dietz," No. 0, lift-wire, with guards, per sample ..... each.	STOREHOUSE GRAND HAVEN,
	234	2	Lanterns, patrol, tubular, "Dietz," No. 0, reflector, with hoods, per sample ..... each.	STOREHOUSE GRAND HAVEN,
O M.	235	1	Oil tanks, 60-gallon capacity, No. 26 galvanized iron, with pump, front of hood to slide around, lettered U. S. L. S. S., and having a 4-piece mitered joint, round, wood bottom, let in flush with rim ..... each. Delivered at 104 Bond St. N.Y.	7 25 Supts Constn. purchase May 15, 1902 authority to purchase revoked by letter to Supts. Constn. Authorized to forward from stock N.Y.C.
			LUMBER.	
	236		Lumber, white pine, clear, dressed, board measure, per M.	
	237		Lumber, white pine, clear, undressed, board measure ..... per M.	
	238		Lumber, yellow pine, seconds, dressed, board measure ..... per M.	
	239		Lumber, yellow pine, seconds, undressed, board measure ..... per M.	
	240		Lumber, hemlock, dressed, board measure ..per M.	
	241		Lumber, hemlock, undressed, board measure..per M.	
	242		Lumber, spruce, dressed, board measure....per M.	
	243		Lumber, spruce, undressed, board measure..per M.	
	244		Laths ..... per M.	
	245		Shingles, cypress, No. 1, rived ..... per M.	
	246		Shingles, cedar, No. 1, rived ..... per M.	
	247		Shingles, white pine, No. 1, rived ..... per M.	
			Amount carried forward	

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
		MEDICINES, ETC.				
248		Lint, surgeon's, in 1-pound packages....per pound.				
OM. 249	1	Medicine chests, with medicines, per sample..each. Delivered at 104 Broad St. N.Y.	30	00	√Supt's. Constn. purchase	
250		Plasters, adhesive, "S. & J.," in tin boxes, in yard rolls.....per box.				
G H. 251	1 box	Plasters, mustard, "Rigolott" or "S. & J.," in tin boxes, 10 in box.....per box.	STOREHOUSE GRAND HAVEN,			
252		Water bottles, rubber, 2-quart, with covers..each.				
G H. 253	1 qt	Whisky, pure rye (for medicinal purposes), in quart bottles, packed singly in wooden boxes, per quart.	STOREHOUSE GRAND HAVEN.			
		PAINTS, OILS, ETC.				
		[No extra charge will be allowed for cans.]				
GH. 254	2	Brushes, dust, best quality, all bristles, black, 9½-inch solid hard-wood blocks, per sample..each.	STOREHOUSE GRAND HAVEN,			
255	2	Brushes, paint, flat, leather bound, all white Russia bristles, for ordinary painting, size 3½-inch..each.	STOREHOUSE GRAND HAVEN,			
256	1	Brushes, paint, flat, leather bound, all white Russia bristles, for ordinary painting, size 4½-inch..each.	STOREHOUSE GRAND HAVEN			
257		Brushes, paint, round, No. 3-0, all white bristles, Clinton's extra, or Whiting's extra Russia..each.				
258	1	Brushes, paint, round, No. 4-0, all white bristles, Clinton's extra, or Whiting's extra Russia..each.	STOREHOUSE GRAND HAVEN,			
259	1	Brushes, paint, round, No. 5-0, all white bristles, Clinton's extra, or Whiting's extra Russia..each.	STOREHOUSE GRAND HAVEN,			
H. 260	1	Brushes, painter's dusters, No. 5-0, all bristles, black outside.....each.	STOREHOUSE GRAND HAVEN,			
261	2	Brushes, sash tool, No. 2, "Atlantic," wire bound, extra French bristles.....each.				
262	2	Brushes, sash tool, No. 3, "Atlantic," wire bound, extra French bristles.....each.				
263	1	Brushes, varnish, 1-inch, flat, tin bound, French bristles, "Atlantic," double thick.....each.	STOREHOUSE GRAND HAVEN,			
264	1	Brushes, varnish, 2-inch, flat, tin bound, French bristles, "Atlantic," double thick.....each.	STOREHOUSE GRAND HAVEN,			

G H.	265	/	Brushes, whitewash (heads), brass bound, all white Russia bristles, Clinton's extra, width 8 inches, each	STOREHOUSE GRAND HAVEN,
	266		Drier, patent, Acme White Lead and Color Works, in 1-pound cans ..... per pound	
	267		Drier, patent, Masury's, in 1-pound cans ..... per pound	
	268		Drier, patent, Tieman's, in 1-pound cans ..... per pound	
	269		Drier, patent, Harrison Bros. & Co.'s, in 1-pound cans ..... per pound	
	270		Drier, patent, F. W. Devoe & Co.'s, in 1-pound cans ..... per pound	
	271		Drier, patent, John Lucas & Co.'s, in 1 pound cans, per pound	
	272		Drier, patent, "Peninsular," in 1 pound cans, per pound	
	273		Drier, patent, Toch Bros.', in 1-pound cans, per pound	
	274		Drier, patent, F. O. Pierce Co.'s, in 1-pound cans ..... per pound	
	275		Drier, patent, C. A. Woolsey Paint and Color Co.'s, in 1-pound cans ..... per pound	
	276		Drier, patent, The Sherwin-Williams Co.'s, in 1-pound cans ..... per pound	
G H.	277	/	Glass cutters, steel wheel ..... each	STOREHOUSE GRAND HAVEN,
	278		Lead, red, dry, best American ..... per pound	
	279		Lead, white, in oil, strictly pure American White Lead and Color Works' ..... per pound	
	280		Lead, white, in oil, strictly pure, Lewis' ..... per pound	
	281		Lead, white, in oil, strictly pure, "Atlantic," per pound	
	282		Lead, white, in oil, strictly pure, Richardson's, per pound	
	283		Lead, white, in oil, strictly pure, Jewett's, per pound	
	284		Lead, white, in oil, strictly pure, Cornell's, per pound	
CONT. G H	285	75¢	Lead, white, in oil, strictly pure, Detroit White Lead Co.'s ..... per pound	*Supts. Constn. purchase contractor for* H 5,25(Grand Haven
	286		Lead, white, in oil, strictly pure, Acme White Lead and Color Works' ..... per pound	
			Amount carried forward	

Item No	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
287		Lead, white, in oil, strictly pure, Harrison Bros. & Co.'s, per pound.				
288		Lead, white, in oil, strictly pure, Wetherill & Bros.', per pound.				
289		Lead, white, in oil, strictly pure, "Capitol," per pound.				
290		Lead, white, in oil, strictly pure, "Pioneer," per pound.				
291		Lead, white, in oil, strictly pure, Toch Bros.', per pound.				
292		Lead, white, in oil, strictly pure, F. O. Pierce Co.'s, per pound.				
293		Ocher, yellow, dry, per pound.				
294		Oil, boiled linseed, strictly pure, in 1-gallon cans, per gallon.				
295		Oil, boiled linseed, strictly pure, in 2-gallon cans, per gallon.				
296		Oil, boiled linseed, strictly pure, in 3-gallon cans, per gallon.				
CONT GH ✓ 297	5 gall	Oil, boiled linseed, strictly pure, in 5-gallon cans, per gallon.	*Supts. Constn. purchase contractor, (for Grand Haven.*		3 65	B
298		Oil, raw linseed, strictly pure, in 1-gallon cans, per gallon				
299		Oil, raw linseed, strictly pure, in 2-gallon cans, per gallon.				
CONT GH ✓ 300	3 gall	Oil, raw linseed, strictly pure, in 3-gallon cans, per gallon.	*Supts. Constn. purchase contractor, (for Grand Haven*		2 19	B
301		Oil, hard finish, dark, Acme White Lead and Color Works', in 1-gallon cans, per gallon.				
302		Oil, hard finish, dark, Berry Bros.', in 1 gallon cans, per gallon.				
303		Oil, hard finish, dark, "Excelsior," in 1-gallon cans, per gallon				
304		Oil, hard finish, dark, Harrison Bros. & Co.'s, in 1-gallon cans, per gallon.				
305		Oil, hard finish, dark, John Lucas & Co.'s, in 1-gallon cans, per gallon.				

G H.	581	/	Pans, cake, round, stamped, retinned, shallow, tubed, 8½ inches diameter, 2½ inches deep...each	STOREHOUSE GRAND HAVEN,
	582	/	Pans, cake, round, stamped, retinned, deep, tubed, 11½ inches diameter, 3¾ inches deep.....each	STOREHOUSE GRAND HAVEN,
	583		Pans, dish, round, best heavy tin, stamped, retinned, with handles, 10 quarts, 14½ x 5¼ inches ...each	
	584	2	Pans, dish, round, best heavy tin, stamped, retinned, with handles, 17 quarts, 18 x 6 inches .....each	STOREHOUSE GRAND HAVEN,
	585	/	Pans, dripping, smooth iron, best charcoal, 10 x 15 inches, weight per dozen 19 pounds.....each	STOREHOUSE GRAND HAVEN,
G H.	586	/	Pans, dripping, smooth iron, best charcoal, 12 x 20 inches, weight per dozen 26 pounds.....each	STOREHOUSE GRAND HAVEN,
	587	/	Pans, fry, wrought iron, polished, lipped, 10 x 2 inches .....each	STOREHOUSE GRAND HAVEN,
	588	/	Pans, fry, wrought iron, polished, lipped, 14⅛ x 2¼ inches .....each	STOREHOUSE GRAND HAVEN,
	589		Pans, fry, wrought iron, "Central," polished, hollow handles, improved lips, 9-inch .....each	
	590		Pans, fry, wrought iron, "Central," polished, hollow handles, improved lips, 11 inch.....each	
G H.	591	/	Pans, mixing, stamped, retinned, round bottom, 10-quart, 15¼ x 5½ inches .....each	STOREHOUSE GRAND HAVEN,
N Y.	592	/	Pans, pudding, tin, stamped, retinned, beaded edge, extra deep, 6-quart .....each	STOREHOUSE NEW YORK CITY,
G H.	593	/	Pans, pudding, tin, stamped, retinned, beaded edge, extra deep, 10 quart .....each	STOREHOUSE GRAND HAVEN,
	594	/	Pans, roast, iron, seamless, 11 x 16 inches, handled, each	STOREHOUSE GRAND HAVEN,
	595		Pans, roast, iron, seamless, 17 x 17 inches, handled, each	
	596	/	Pans, sauce, cast iron, inside enameled, with covers, 6 quart .....each	STOREHOUSE GRAND HAVEN,
H.	597	/	Pans, stew, tin, stamped, retinned, shallow, plain, 5-quart, 11⅜ x 2⅔ inches.....each	STOREHOUSE GRAND HAVEN,
	598	/	Pans, stew, tin, stamped, retinned, deep, 6-quart, 11½ x 3¾ inches.....each	STOREHOUSE GRAND HAVEN,
	599		Pipe, stove, No. 18 galvanized iron, 5-inch, in 2-foot lengths ..... per pound	
	600		Pipe, stove, No. 18 galvanized iron, 6-inch, in 2-foot lengths .....per pound	
	601		Pipe, stove, No. 18 galvanized iron, 6-inch, in 2-foot lengths, collar joint, sizes as required, per pound	
			Amount carried forward.....	

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
602		Pipe, stove, No. 11 Russia iron, 5-inch, in 2-foot lengths, per pound				
G H. 603	6 lbs (about 20 joints)	Pipe, stove, No. 11 Russia iron, 6-inch, in 2 foot lengths, per pound	STOREHOUSE GRAND HAVEN,			
604		Pipe, stove, No. 11 Russia iron, 6-inch, in 2-foot lengths, collar joint, sizes as required, per pound				
605	1 doz	Plates, pie, tin, 10-inch, stamped, 1¼ inches deep, per dozen	STOREHOUSE GRAND HAVEN,			
606	3	Pokers, stove, 26-inch, ½-inch iron, with rings and hooks, each	STOREHOUSE GRAND HAVEN,			
G H. 607	1	Pots, coffee, 3-gallon, 4X tin, flat copper bottoms, handled, bail handles, each	STOREHOUSE GRAND HAVEN,			
608	1	Pots, coffee, 1-gallon, 4X tin, flat copper bottoms, handled, bail handles, each	STOREHOUSE GRAND HAVEN,			
609	1	Pots, tea, 2-gallon, 4X tin, flat copper bottoms, handled, bail handles, each	STOREHOUSE GRAND HAVEN,			
610	1	Pots, tea, 1 gallon, 4X tin, flat copper bottoms, handled, bail handles, each	STOREHOUSE GRAND HAVEN,			
611		Saddles, No. 18 galvanized iron, for roof, to fit Liverpool heads, per pound				
612	3	Shovels, stove, wrought iron, japanned, "U. S." No. 65, 5 x 8½ x 23 inches, each	STOREHOUSE GRAND HAVEN,			
613	1	Steamers, IXXX tin, raised cover in one piece, new style, 6-inch, each	STOREHOUSE GRAND HAVEN,			
G H. 614	1	Steamers, IXXX tin, raised cover in one piece, new style, 9-inch, each	STOREHOUSE GRAND HAVEN,			
615	1 doz	Stove polish, Dixon's, "Rising Sun," or "Phœnix," per dozen papers	STOREHOUSE GRAND HAVEN,			
616	1	Stove cover lifters, cast iron, japanned, 10-inch, each	STOREHOUSE GRAND HAVEN,			
617		Stoves, cooking, "Beaver" range No. 8 21, for coal or wood as required, single oven, reservoir, with furniture complete, including 1 wash boiler, 1 iron pot and cover, 1 iron kettle, 1 iron teakettle, 1 dipper, 1 square tin pan for bread, 1 drip pan, 1 spider, 1 shovel, 1 poker, 1 griddle, 1 round tin pan for pudding, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, each				
618		Stoves, cooking, "Beaver" range No. 8 21, for coal or wood as required, single oven, reservoir, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, without furniture, each				

306	Oil, hard finish, dark, Pratt & Lambert's, in 1-gallon cans	per gallon		
307	Oil, hard finish, dark, Toch Bros.', in 1-gallon cans,	per gallon		
308	Oil, hard finish, dark, American White Lead and Color Works', in 1-gallon cans	per gallon		
309	Oil, hard finish, dark, Masury's, in 1-gallon cans,	per gallon		
310	Oil, hard finish, dark, F. O. Pierce Co.'s, in 1-gallon cans	per gallon		
311	Oil, hard finish, dark, C. A. Woolsey Paint and Color Co.'s, in 1-gallon cans	per gallon		
312	Oil, hard finish, dark, The Sherwin-Williams Co.'s, in 1 gallon cans	per gallon		
313	Oil, hard finish, white, Acme White Lead and Color Works', in 1-gallon cans	per gallon		
314	Oil, hard finish, white, Berry Bros.', in 1-gallon cans	per gallon		
315	Oil, hard finish, white, "Excelsior," in 1-gallon cans	per gallon		
316	Oil, hard finish, white, Harrison Bros. & Co.'s, in 1-gallon cans	per gallon		
317	Oil, hard finish, white, John Lucas & Co.'s, in 1-gallon cans	per gallon		
318	Oil, hard finish, white, Pratt & Lambert's, in 1-gallon cans	per gallon		
319	Oil, hard finish, white, Toch Bros.', in 1-gallon cans,	per gallon		
320	Oil, hard finish, white, American White Lead and Color Works', in 1-gallon cans	per gallon		
321	Oil, hard finish, white, Masury's, in 1-gallon cans,	per gallon		
322	Oil, hard finish, white, F. O. Pierce Co.'s, in 1-gallon cans	per gallon		
323	Oil, hard finish, white, C. A. Woolsey Paint and Color Co.'s, in 1-gallon cans	per gallon		
324	Paint, copper, Woolsey's "Yacht," or equally good, in 1-quart cans	per quart		
325	Paint, mixed, best, colors as required, Acme White Lead and Color Works'	per gallon		
326	Paint, mixed, best, colors as required, Lucas's,	per gallon		
327	Paint, mixed, best, colors as required, Mound City Paint and Color Co.'s	per gallon		
328	Paint, mixed, best, colors as required, Averill's,	per gallon		
	Amount carried forward			

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
329		Paint, mixed, best, colors as required, "Atlas," per gallon.				
330		Paint, mixed, best, colors as required, C. A. Woolsey Paint and Color Co.'s per gallon.				
331		Paint, mixed, best, colors as required, Cleveland Oil and Paint Mfg. Co.'s per gallon.				
332		Paint, mixed, best, colors as required, F. O. Pierce Co.'s per gallon.				
333		Paint, mixed, best, colors as required, Harrison Bros. & Co.'s per gallon.				
334		Paint, mixed, best, colors as required, Masury's, per gallon.				
335		Paint, mixed, best, colors as required, Charles M. Childs & Co.'s per gallon.				
336		Paint, mixed, best, colors as required, Chilton's, per gallon.				
337		Paint, mixed, best, colors as required, Toch Bros.', per gallon.				
338		Paint, mixed, best, colors as required, American White Lead and Color Works' per gallon.				
339		Paint, mixed, pure prepared, colors as required, Whittier, Fuller & Co.'s per gallon.				
340		Paint, mixed, "City and Village," strictly pure, colors as required, Yates & Co.'s per gallon.				
341		Paints, mixed, best, colors as required, "Peninsular" per gallon.				
342		Paint, mixed, best, colors as required, The Sherwin-Williams Co.'s per gallon.				
343		Paint, asbestine, fire and water proof, mixed, best, colors as required per gallon.				
344		Paint, asbestos, fire and water proof, mixed, best, colors as required, H. W. Johns Mfg. Co.'s, per gallon.				
345		Paint, mineral-asphalt, mixed, best, colors as required, The Standard Paint Co.'s per gallon.				
346		Paint, pure rubber, mixed, colors as required, per gallon.				
347		Paint, drop black, best, in 1-pound cans, Masury's, per pound.				
348		Paint, drop black, best, in 1-pound cans, Acme White Lead and Color Works' per pound.				
349		Paint, drop black, C. P., in 1-pound cans, John Lucas & Co.'s per pound.				

350		Paint, drop black, best, in 1-pound cans, Harrison Bros. & Co.'s ..... per pound.			
351		Paint, drop black, best, in 1-pound cans, "Peninsular" ..... per pound.			
352		Paint, drop black, best, in 1-pound cans, Toch Bros.' ..... per pound.			
353		Paint, drop black, best, in 1-pound cans, American White Lead and Color Works' ..... per pound.			
354		Paint, drop black, best, in 1-pound cans, F. O. Pierce Co.'s ..... per pound.			
355		Paint, drop black, best, in 1-pound cans, C. A. Woolsey Paint and Color Co.'s ..... per pound.			
356		Paint, drop black, best, in 1-pound cans, The Sherwin-Williams Co.'s ..... per pound.			
357		Prussian blue, best, strictly pure, ground in oil, Tieman's, in 1-pound cans ..... per pound.			
358		Prussian blue, best, strictly pure, ground in oil, Acme White Lead and Color Works', in 1-pound cans ..... per pound.			
359		Prussian blue, best, strictly pure, ground in oil, Masury's, in 1-pound cans ..... per pound.			
360		Prussian blue, best, strictly pure, ground in oil, Harrison Bros. & Co.'s, in 1-pound cans ..... per pound.			
361		Prussian blue, best, strictly pure, ground in oil, Whittier, Fuller & Co.'s, in 1-pound cans, per pound.			
362		Prussian blue, best, strictly pure, ground in oil, Yates & Co.'s, in 1-pound cans ..... per pound.			
363		Prussian blue, best, C. P., ground in oil, John Lucas & Co.'s, in 1-pound cans ..... per pound.			
364		Prussian blue, best, strictly pure, ground in oil, "Peninsular," in 1-pound cans ..... per pound.			
365		Prussian blue, best, strictly pure, ground in oil, American White Lead and Color Works', in 1-pound cans ..... per pound.			
366		Prussian blue, best, strictly pure, ground in oil, Toch Bros.', in 1-pound cans ..... per pound.			
367		Prussian blue, best, strictly pure, ground in oil, F. O. Pierce Co.'s, in 1-pound cans ..... per pound.			
368		Prussian blue, best, strictly pure, ground in oil, C. A. Woolsey Paint and Color Co.'s, in 1-pound cans ..... per pound.			
369		Prussian blue, best, strictly pure, ground in oil, The Sherwin-Williams Co.'s, in 1-pound cans, per pound.			
CONT. GH 370	5 lb.	Putty, in 5-pound tins ..... per pound.	*Supts. Constn. purchase contractor.*		
371		Pumice stone, lumped ..... per pound.			
		Amount carried forward			

15.

for Grand Haven

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
372		Turpentine, best, in ½-gallon cans ..... per gallon.				
CONT GH 373	1 gall	Turpentine, best, in 1-gallon cans ..... per gallon				
CONT GH 374	2 gall	Turpentine, best, in 2 gallon cans ..... per gallon.				
375		Varnish, grain alcohol, shellac, best, in ½-gallon cans ..... per gallon.				
376		Varnish, grain alcohol, shellac, best, in 1-gallon cans ..... per gallon.				
377		Varnish, grain alcohol, shellac, best, in 2 gallon cans ..... per gallon.				
378		Vermilion, in oil, best English, in 1 pound cans, per pound.				
379		Vermilion, in oil, best, "Peninsular," in 1-pound cans ..... per pound.				
380		Vermilion, in oil, unfading, Harrison Bros. & Co.'s, in 1-pound cans ..... per pound.				
		SHIP CHANDLERY.				
381		Anchors, boat, galvanized iron, weight 16 pounds, per pound.				
382		Anchors, boat, galvanized iron, weight 26 pounds, per pound.				
H. 383	/	Anchors, boat, galvanized iron, weight 35 pounds, per pound.				
384		Anchors, boat, galvanized iron, weight 50 pounds, per pound.				
H. 385	/	Anchors, boat, galvanized iron, long shank, weight 100 pounds ..... per pound.				
386		Anchors, boat, iron, weight 35 pounds ..... per pound.				
387		Anchors, boat, iron, weight 50 pounds ..... per pound.				
388		Anchors, boat, Dirigo patent folding, galvanized iron, weight 26 pounds ..... per pound.				
389		Anchors, boat, Dirigo patent folding, galvanized iron, weight 32 pounds ..... per pound.				
390		Anchors, boat, Dirigo patent folding, galvanized iron, weight 44 pounds ..... per pound.				
391		Anchors, boat, Dirigo patent folding, galvanized iron, weight 55 pounds ..... per pound.				

Supls. Constn. purchase contractor, 62-8 (for 24 Grand Haven.

STOREHOUSE GRAND HAVEN,

STOREHOUSE GRAND HAVEN,

485	Castings for "Atlantic" caboose No. 3..per pound.			
486	Castings for "Atlantic" range No. 7 ...per pound.			
487	Castings for "Atlantic" range No. 8 ...per pound.			
488	Castings for "Beaver" range No. 8-21..per pound.			
489	Castings for "Buck" No. 7 .....per pound.			
490	Castings for "Buck" No. 9 .....per pound.			
491	Castings for Buck's "Royal" No. 15....per pound.			
492	Castings for Buck's "Gem" No. 25.....per pound.			
493	Castings for Buck's "Regal" range No. 83-B, per pound.			
494	Castings for "Bright Diamond" No. 150.per pound.			
495	Castings for "Brilliant Diamond" No. 250, per pound.			
496	Castings for Clad's steel plate portable French range No. 8 x 20.....per pound.			
497	Castings for 1885 "Crawford" range No. 8, per pound.			
498	Castings for "Crown Jewel" No. 9 ....per pound.			
499	Castings for "DeKalb" No. 14 .....per pound.			
500	Castings for "DeKalb" No. 16.....per pound.			
501	Castings for "Diamond" No. 20.....per pound.			
502	Castings for "Diamond Oak" No. 17 ...per pound.			
503	Castings for "F. & W. Oak" No. 190...per pound.			
504	Castings for "Elon" 21-inch .....per pound.			
505	Castings for "Prize Jewel" range.....per pound. (Style B, No. 87-18.)			
506	Castings for "Favorite Argand" No. 9-22, per pound.			
507	Castings for "Garland" No. 9.....per pound.			
508	Castings for "Hallett" caboose No. 3...per pound.			
509	Castings for "Hub Heater" No. 30.....per pound.			
510	Castings for "Irving" No. 4.....per pound.			
511	Castings for "Jewett" range No. 93....per pound.			
	Amount carried forward.....			

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
512		Castings for "New Elmwood" plain range No. 8, per pound.				
513		Castings for "New Medallion" plain range No. 8, per pound.				
514		Castings for "New Splendid" stove No. 80 20, per pound.				
515		Castings for "Regal Hub" stove No. 8 20, per pound.				
516		Castings for "Princess Beaver" No. 12, indirect draft per pound.				
517		Castings for "Princess Beaver" No. 13, full reversible per pound.				
518		Castings for "Matchless Diamond" No. 140, per pound.				
519		Castings for S. S. Jewett & Co.'s range No. 90, per pound.				
520		Castings for 1894 "Oak Jewel" No. 618 per pound.				
521		Castings for "Splendid" No. 2 per pound.				
522		Castings for "Trojan" No. 25 per pound.				
523		Castings for "Stewart Oak" No. 195 per pound.				
524		Castings for "Stewart Oak" No. 4 per pound.				
525		Castings for "Granite Peninsular" range No. 8-21, per pound.				
526		Castings for "Model Grand" range No. 8 20, per pound.				
527		Castings for "Peerless Universal" range No. 8-20, per pound.				
528		Castings for "Universal Radiator" No. 3, per pound.				
529		Castings for "World's Leader" No. 114 per pound.				
530		Castings for "Arcadian" range No. 80 per pound.				
531		Castings for "Somersworth Ideal" range No. 8-20, per pound.				
532		Castings for "New Sterling" range No. 81, per pound.				
533		Colanders, family, retinned, feet fast, 12 x 5¼ inches, each				

STOREHOUSE GRAND HAVEN,

G H.	392	1	Anchors, boat, Dirigo patent folding, galvanized iron, weight 78 pounds.....per pound.	STOREHOUSE GRAND HAVEN,
	393		Anchors, boat, Dirigo patent folding, galvanized iron, weight 106 pounds.....per pound.	
G H.	394	1 box	Axle grease, 2-pound boxes, "Frazer's," "Manhattan," or "The Four Brothers".....per box.	STOREHOUSE GRAND HAVEN,
	395		Bags, gunny (for coal).....each.	
G H.	396	6	Bath bricks.....each.	STOREHOUSE GRAND HAVEN,
	397	1/2 lb	Beeswax, pure yellow.....per pound.	STOREHOUSE GRAND HAVEN,
	398	2	Boat grapnels, galvanized iron, four prongs, with rings at bottoms, 10 pounds.....each.	STOREHOUSE GRAND HAVEN,
	399		Boat grapnels, galvanized iron, four prongs, with rings at bottoms, 30 pounds.....each.	
G H.	400	4	Boat hooks, navy, double hooks, ball points, No. 14, Newhall's, with 9-foot staves.....each.	STOREHOUSE GRAND HAVEN,
	401	2	Boat hooks, heavy, pointed, galvanized wrought iron, 9-foot staves.....each.	STOREHOUSE GRAND HAVEN,
	402	1/2 doz	Brooms, corn, best railroad XXX, without seed, not less than 28 pounds to the dozen..per dozen.	STOREHOUSE GRAND HAVEN,
	403		Brushes, horse, 5 x 8½ inches, all white bristles, exposed length of bristles not less than 1¼ inches, russet leather backs, with strap handles....each.	
G H.	404	6	Brushes, scrubbing, white tampico center, gray wings, 11-inch block, per sample.....each.	STOREHOUSE GRAND HAVEN,
	405	2	Brushes, stove, all black bristles, very full, dauber extension, with handles, per sample.....each.	STOREHOUSE GRAND HAVEN,
	406	2	Buckets, rubber, black, No. 2, 3-gallons, metal parts of galvanized iron.....each.	STOREHOUSE GRAND HAVEN,
	407		Bunting, American, standard, colors as required, 18-inch.....per yard.	
	408		Canvas, cotton, No. 8, 22-inch.....per yard.	
	409		Canvas, cotton, No. 10, 22-inch.....per yard.	
G H.	410	2	Chains, sling, close-linked, 3 feet long, ¼-inch iron, with large link in each end.....each.	STOREHOUSE GRAND HAVEN,
	411		Combs, curry, open back, 8 bars, tinned iron..each.	
G H.	412	2 lbs	Cotton, calking, for seams.....per pound.	STOREHOUSE GRAND HAVEN,
	413		Duck, linen, No. 6, 24 inches wide.....per yard.	
H.	414	1 lb	Glue, broken, Peter Cooper's, No. 1½, or "Buffalo" No. 1.....per pound.	STOREHOUSE GRAND HAVEN,
			Amount carried forward.....	

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
G H. 415	1	Hand grapnels, galvanized, 2½ pounds ..... each.	STOREHOUSE GRAND HAVEN,			
G H. 416	1	Hand grapnels, galvanized, 4 pounds ..... each.	STOREHOUSE GRAND HAVEN,			
417		Lacing eyes, No. 2, ⅜-inch eye, galvanized ..... per dozen.				
418		Lacing eyes, No. 2, ⅜-inch eye, brass ..... per dozen.				
G H. 419	12 lbs	Leather, rigging ..... per pound.	STOREHOUSE GRAND HAVEN,			
420		Lime, fresh burnt ..... per barrel.				
421	1	Marline spikes, 12-inch ..... each.	STOREHOUSE GRAND HAVEN,			
422	4	Mops, cotton, 1-pound ..... each.	STOREHOUSE GRAND HAVEN,			
G H. 423	2	Mopsticks, Taylor's patent ..... each.	STOREHOUSE GRAND HAVEN,			
424	1/20 of c	Needles, sail, Smith's, No. 11 ..... per hundred.	STOREHOUSE GRAND HAVEN,			
425	1/20 of c	Needles, sail, Smith's, No. 14 ..... per hundred.	STOREHOUSE GRAND HAVEN,			
426	1/20 of c	Needles, sail, Smith's, No. 16 ..... per hundred.	STOREHOUSE GRAND HAVEN,			
427		Oars, best ash, ends of blades strapped with 12-ounce copper, 6-foot ..... per foot.				
428		Oars, best ash, ends of blades strapped with 12-ounce copper, 7-foot ..... per foot.				
429		Oars, best ash, ends of blades strapped with 12-ounce copper, 8-foot ..... per foot.				
430		Oars, best ash, ends of blades strapped with 12-ounce copper, 9-foot ..... per foot.				
431		Oars, best ash, ends of blades strapped with 14-ounce copper, 10-foot ..... per foot.				
432		Oars, best ash, ends of blades strapped with 14-ounce copper, 11-foot ..... per foot.				
G H. 433	144 ft	Oars, best ash, ends of blades strapped with 14-ounce copper, 12-foot ..... per foot.	STOREHOUSE GRAND HAVEN,			
G H. 434	156 ft	Oars, best ash, ends of blades strapped with 14-ounce copper, 13-foot ..... per foot.	STOREHOUSE GRAND HAVEN,			
435		Oars, best ash, ends of blades strapped with 14-ounce copper, 14-foot ..... per foot.				
436		Oars, best ash, ends of blades strapped with 14-ounce copper, 15-foot ..... per foot.				
437		Oars, best ash, ends of blades strapped with 14-ounce copper, 16-foot ..... per foot.				
438		Oars, sweeps, best ash, ends of blades strapped with 14-ounce yellow metal, 18-foot ..... per foot.				

G H.	439	40 ft	Oars, sweeps, best ash, ends of blades strapped with 14-ounce yellow metal, 20-foot ....per foot.	STOREHOUSE GRAND HAVEN,
	440	44 ft	Oars, sweeps, best ash, ends of blades strapped with 14-ounce yellow metal, 22-foot ....per foot.	STOREHOUSE GRAND HAVEN,
	441		Oil polish, Bertram's, in 1-quart cans....per quart.	
	442		Pails, "Star," indurated fiber, about 12 quarts..each	
G H.	443	6	Pails, water, No. 22 galvanized iron, 14-quart..each.	STOREHOUSE GRAND HAVEN,
N Y.	444	6	Pails, fire, No. 22, galvanized iron, cone bottom, 14-quart .....each.	STOREHOUSE NEW YORK CITY,
G H.	445	2	Palms, sewing, full hide, mounted, No. 2....each.	STOREHOUSE GRAND HAVEN,
	446		Paste, metal polish, Hoffman's, 1-pound boxes, per pound.	
	447	2 lb	Paste, polishing, Universal, in 1-pound cans, per pound.	STOREHOUSE GRAND HAVEN,
	448	2 lb	Rotten stone, lumped .....per pound.	STOREHOUSE GRAND HAVEN,
G H.	449	10 lbs	Sal soda.....per pound.	STOREHOUSE GRAND HAVEN,
	450	10 cakes	Sapolio (3¾ x 2⅝ x 1⅝ inches) .....per cake.	STOREHOUSE GRAND HAVEN,
	451	1	Slates, double, 9 x 13 inches, brass hinges, without panel backs, per sample ..... each.	STOREHOUSE GRAND HAVEN,
	452	1 doz	Slate pencils, soapstone .....per dozen.	STOREHOUSE GRAND HAVEN,
	453	80 lbs	Soap, fresh-water, good quality, not less than 2 months old, in 40 and 80 pound boxes..per pound.	STOREHOUSE GRAND HAVEN,
	454		Soap, salt-water, good quality ..... per pound.	
	455		Soap, Bell's Star Cleaner, 10-ounce cakes..per cake.	
G H.	456	2 lbs	Sponges, large, coarse, for boat use, per sample, per pound.	STOREHOUSE GRAND HAVEN,
	457		Tarpaulins, 8 x 8 feet, No. 6 cotton canvas, tabled, unpainted, brass eyelets 12 inches apart all around .....each.	
G H.	458	1	Tarpaulins, 10 x 10 feet, No. 6 cotton canvas, tabled, unpainted, brass eyelets 12 inches apart all around .....each.	STOREHOUSE GRAND HAVEN,
N Y.	459	1	Tarpaulins, 12 x 12 feet, No. 6 cotton canvas, tabled, unpainted, brass eyelets 12 inches apart all around ..... each.	STOREHOUSE NEW YORK CITY,
	460		Thole pins, locust, ¾-inch, 9 inches long..per dozen.	
	461	2½ doz	Thole pins, locust, 1-inch, 10 inches long..per dozen.	STOREHOUSE GRAND HAVEN,
G H.	462	1	Trays, chopping, oval, No. 4.....each.	STOREHOUSE GRAND HAVEN,
	463	1 lb	Twine, best Andover flax, 3-ply .....per pound.	STOREHOUSE GRAND HAVEN,

Amount carried forward.....

	Item No.	Quantity.	ARTICLES. (Do not alter Descriptions.)	PRICES. Dollars.	PRICES. Cents.	AMOUNT. Dollars.	AMOUNT. Cents.
			Amount brought forward				
GH.	464	1lb	Twine, cotton, sewing, ½-pound balls ... per pound	STOREHOUSE GRAND HAVEN,			
H.	465	5lb	Waste, cotton, machinery, white, picked, No. 1, per pound	STOREHOUSE GRAND HAVEN,			
	466		Webbing, linen, 1½-inch (in 12-yard pieces), ties for life-belts ... per yard				
GH.	467	2	Wheelbarrows, canal or railroad, bolted, per sample ... each	STOREHOUSE GRAND HAVEN,			
			STOVES, ETC.				
	468		Ash pans for "Beaver" range No. 8-21 ... each				
	469		Ash pans for Buck's "Regal" range No. 83 B ... each				
	470		Ash pans for "Crawford" range No. 8 ... each				
	471		Ash pans for "Model Grand" range No. 8-20 ... each				
	472		Ash pans for "Hub Heater" No. 30 ... each				
	473		Ash pans for "Irving" No. 4 ... each				
	474		Ash pans for "Oak Jewel" No. 618 ... each				
	475		Ash pans for "Princess Beaver" No. 12 ... each				
	476		Ash pans for "Princess Beaver" No. 13 ... each				
	477		Ash sieves, 14 x 16 inches, galvanized iron, No. 2 mesh, hard-wood frames ... each				
GH.	478	1	Ash sifters, "Rival," wood, galvanized wire, for barrels ... each	STOREHOUSE GRAND HAVEN,			
GH.	479	1	Boilers, 8-quart, cast iron, round, tinned inside, with covers ... each	STOREHOUSE GRAND HAVEN,			
H.	480	1	Boilers, 12-quart, cast iron, round, tinned inside, with covers ... each	STOREHOUSE GRAND HAVEN,			
	481		Boilers, wash, with covers, 4X tin, drop iron handles, flat copper bottoms, 19 inches long, 12 inches wide, 13 inches high ... each				
H.	482	1	Boilers, wash, with covers, 4X tin, oval, range, drop iron handles, flat copper bottoms, 24 inches long, 15 inches wide, and at least 13 inches high ... each	STOREHOUSE GRAND HAVEN,			
H.	483	1	Broilers, wire, retinned, reversible, 13 wires, riveted, 10 x 9 inches ... each	STOREHOUSE GRAND HAVEN,			
GH.	484	2	Cake turners, stamped, threaded handles, retinned, 4½ x 3¼ inches ... each	STOREHOUSE GRAND HAVEN,			

534		Collars, tin, for 5-inch stovepipe.....each.		
G H. 535	3	Collars, tin, for 6-inch stovepipe.....each.	STOREHOUSE GRAND HAVEN,	
536	12	Cups, best heavy tin, stamped, retinned, flaring pattern, pint, 4¾ x 2⅝ inches.....each	STOREHOUSE GRAND HAVEN,	
537		Cups, best heavy tin, stamped, retinned, quart, 5¾ x 2¼ inches.....each.		
538		Dampers, cast-iron, for 5-inch stovepipe.....each.		
G H. 539	3	Dampers, cast-iron, for 6-inch stovepipe.....each.	STOREHOUSE GRAND HAVEN,	
NY. 540	2	Dippers, cup, stamped, retinned, 5 x 2½ inches, flaring, flat handles.....each.	STOREHOUSE NEW YORK CITY,	
541		Dippers, tin, stamped, retinned, hollow tin handles, with rings, quart.....each.		
542		Elbows, stovepipe, No. 18 galvanized iron, 90°, 5-inch, 4 pieces (about 4 pounds each)..per pound.		
543		Elbows, stovepipe, No. 18 galvanized iron, 90°, 6-inch, 4 pieces (about 4½ pounds each).per pound.		
544		Elbows, stovepipe, No. 11 Russia iron, 90°, 5-inch, 4 pieces (about 1 pound each).....per pound.		
G H. 545	8lb.	Elbows, stovepipe, No. 11 Russia iron, 90°, 6 inch, 4 pieces (about 1 pound each).....per pound.	STOREHOUSE GRAND HAVEN,	
546		Fire bricks for "Atlantic" caboose No. 3...per set.		
547		Fire bricks for "Atlantic" range No. 7 ....per set.		
548		Fire bricks for "Atlantic" range No. 8 ....per set.		
549		Fire bricks for "Beaver" range No. 8-21...per set.		
550		Fire bricks for "Buck" No. 7.....per set.		
551		Fire bricks for "Buck" No. 9 .....per set.		
552		Fire bricks for Clad's steel plate portable French range No. 8 x 20 .....per set.		
553		Fire bricks for 1885 "Crawford" range No. 8.per set.		
554		Fire bricks for "Prize Jewel" range.....per set. (Style B, No. 87-18.)		
555		Fire bricks for "Garland" No. 9 .....per set.		
556		Fire bricks for "F. & W. Oak" No. 190 ...per set.		
557		Fire bricks for "Hallett" caboose No. 3....per set.		
558		Fire bricks for "Hub Heater" No. 30 .....per set.		
559		Fire bricks for "Irving" No. 4 .....per set.		
560		Fire bricks for "Jewett" range No. 93.....per set.		
		Amount carried forward.....		

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
561		Fire bricks for S. S. Jewett & Co.'s range No. 90, per set				
562		Fire bricks for "Granite Peninsular" range No. 8-21 per set				
563		Fire bricks for "Model Grand" range No. 8-20, per set				
564		Fire bricks for "Peerless Universal" range No. 8-20 per set				
565		Fire bricks for "New Sterling" range No. 81, per set				
566		Grates for Clad's steel plate portable French range No. 8 x 20 each				
G H. 567	1	Griddles, oblong or round, bailed or handled, 16-inch each	STOREHOUSE GRAND HAVEN,			
568		Heads, Liverpool, No. 18 galvanized iron, sizes as required, with saddle for roof, and 30 feet No. 16 galvanized-iron wire per pound				
569		Heads, Liverpool, No. 18 galvanized iron, sizes as required, without saddle for roof, with 30 feet No. 16 galvanized-iron wire per pound				
570		Kettles, tea, iron, galvanized, 7-inch, pit bottom, each				
G H. 571	1	Kettles, tea, iron, galvanized, 8-inch, pit bottom, each	STOREHOUSE GRAND HAVEN,			
572		Kettles, tea, iron, galvanized, 9-inch, pit bottom, each				
G H. 573	1	Ladles, deep, solid, tinned iron, retinned, 3¼-inch, 14-inch flat handles with hooks each	STOREHOUSE GRAND HAVEN,			
574		Mica, for stoves, clear, sizes as required per ounce				
H. 575	2	Pans, bake, round, wrought iron, polished, 2 quarts, 8¼ x 2¼ inches each	STOREHOUSE GRAND HAVEN,			
576	1	Pans, bake, round, wrought iron, polished, 4 quarts, 10¼ x 2⅝ inches each	STOREHOUSE GRAND HAVEN,			
577		Pans, bake, round, wrought iron, polished, 6 quarts, 11⅛ x 2⅝ inches each				
IY. 578	1	Pans, bake, oblong, for bread, flaring pattern, pieced, best heavy tin, 9½ x 5⅝ x 3 inches each	STOREHOUSE NEW YORK CITY,			
579		Pans, bake, oblong, for bread, flaring pattern, pieced, best heavy tin, 11⅛ x 6⅞ x 3½ inches each				
H. 580	1	Pans, bread raisers, stamped, retinned, with ventilated covers, 17-quart, 18¼ x 6¼ inches each	STOREHOUSE GRAND HAVEN,			

634	Stoves, cooking, "New Medallion" plain range No. 8, single oven 20 x 20 inches, for coal or wood, as required, 2 joints stovepipe, without furniture, each			
635	Stoves, cooking, "New Splendid" No. 80-20, for coal or wood as required, with reservoir and No. 2 tea shelf, with furniture complete, including 1 wash boiler, 1 iron pot and cover, 1 iron kettle, 1 iron teakettle, 1 dipper, 1 square tin pan for bread, 1 drip pan, 1 spider, 1 shovel, 1 poker, 1 griddle, 1 round tin pan for pudding, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe.....each			
636	Stoves, cooking, "New Splendid" No. 80-20, for coal or wood as required, with reservoir and No. 2 tea shelf, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, without furniture .....each			
637	Stoves, cooking, "Regal Hub" No. 8-20, for coal or wood as required, with reservoir, tea shelf, single oven, with furniture complete, including 1 wash boiler, 1 iron teakettle, 1 iron pot and cover, 1 iron kettle and cover, 1 iron spider, 1 broiler, 1 griddle, 2 bread pans, 1 poker, 1 shovel, 1 drip pan 14 x 17 inches, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe .....each			
638	Stoves, cooking, "Regal Hub" No. 8-20, for coal or wood as required, with reservoir, tea shelf, single oven, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, without furniture .....each			
639	Stoves, cooking, "Arcadian" range No. 80, for coal or wood as required, with furniture complete, including 1 wash boiler, 1 iron pot and cover, 1 iron kettle and cover, 1 teakettle, 2 bake pans, 1 wire broiler, 1 tin dipper, 1 iron spider, 1 griddle, 1 poker, 1 shovel, 2 bread pans, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe.....each			
640	Stoves, cooking, "Arcadian" range No. 80, for coal or wood as required, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, without furniture, each			
641	Stoves, cooking, "Somersworth Ideal" range No. 8-20, for coal or wood as required, with low hot closet and reservoir with copper lining, with furniture complete, including 1 wash boiler, 1 iron pot and cover, 1 iron kettle, 1 iron teakettle, 1 dipper, 1 square tin pan for bread, 1 drip pan, 1 spider, 1 shovel, 1 poker, 1 griddle, 1 round tin pan for pudding, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe.....each			
642	Stoves, cooking, "Somersworth Ideal" range No. 8-20, for coal or wood, as required, with low hot closet and reservoir with copper lining, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, without furniture .....each			
	Amount carried forward.....			

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
643		Stoves, cooking, "New Sterling" range No. 81, with lining for coal or wood as required, single oven 18 x 18 x 12 inches, reservoir, 2 nickel tea shelves, shaker, lifter, flue cleaner, towel rod, and furniture complete, including 1 wash boiler, 1 iron pot and cover, 1 iron kettle and cover, 1 teakettle, 2 bake pans, 1 wire broiler, 1 tin dipper, 1 iron spider, 1 griddle, 1 poker, 1 shovel, 2 bread pans, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe ..... each				
644		Stoves, cooking, "New Sterling" range No. 81, with lining for coal or wood as required, single oven, 18 x 18 x 12 inches, reservoir, 2 nickel tea shelves, shaker, lifter, flue cleaner, towel rod, 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, without furniture ..... each				
645		Stoves, heating, Buck's "Royal" No. 15 (hard or soft coal), with 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe ..... each				
646		Stoves, heating, Buck's "Gem" No. 25, fixed top (wood), with 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe ..... each				
647		Stoves, heating, "Elon," 21-inch (wood), with 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, each				
648		Stoves, heating, "Hub Heater" No. 30, with 1 collar joint 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, each				
649		Stoves, heating, "Irving" No. 4 (hard coal), with 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe, each				
650		Stoves, heating, "Matchless Diamond" No. 140, hard coal (no brick required), with 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe ..... each				
CONT GH 651	2	Stoves, heating, 1894, "Oak Jewel" No. 618 (~~hard coal~~), with 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe ..... each			33 00	B
652		Stoves, heating, "Stewart Oak" No. 4, wood and coal (no brick required), with 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe ..... each				
653		Stoves, heating, "Trojan" No. 25 (wood), with 1 collar joint, 6-inch, No. 18 galvanized iron, to connect with 6-inch galvanized-iron stovepipe ..... each				

Supts. Constn. purchase contractor for Grand Haven

693	1/2 doz	Files, flat, bastard, 12-inch, Kearney & Foot's or Disston's ..... per dozen.	
694	1	Gauges, marking, Russell & Erwin Mfg. Co.'s No. 61 ..... each.	
695	1/6 doz	Gimlets, nail, steel, double cut, wood handles, Shepardson's or C. E. Jennings & Co.'s, No. 1, per dozen.	
696	1/6 doz	Gimlets, nail, steel, double cut, wood handles, Shepardson's or C. E. Jennings & Co.'s, No. 2, per dozen.	
697	1/6 doz	Gimlets, nail, steel, double cut, wood handles, Shepardson's or C. E. Jennings & Co.'s, No. 3, per dozen.	
698	1	Gouges, socket firmer, solid cast steel, ½-inch, with handles leather tipped, 6-inch blade, Buck Bros.', each.	
699	1	Gouges, socket firmer, solid cast steel, 1-inch, with handles leather tipped, 6-inch blade, Buck Bros.', each.	
700	1	Gouges, socket firmer, solid cast steel, 1½-inch, with handles leather tipped, 6-inch blade, Buck Bros.', each.	
701	1	Grindstones, No. 2 "Ohio," 20 inches diameter, 2½ inches thick, mounted, complete, with crank and treadle ..... each.	
G H. 702	2	Hammers, claw, adz eye, solid cast steel, weight 1 pound, handled, Peck, Stow & Wilcox Co.'s, Plumb's, Clark's, or C. E. Jennings & Co.'s, each.	STOREHOUSE GRAND HAVEN,
703	1/4 doz	Handles, beech, for ⅛-inch shouldered brad awls, per dozen.	
704	1	Handles, for claw hammers, extra hickory, all white, polished ..... each.	
705	1	Handles, for hatchets (ax pattern), extra hickory, all white, polished ..... each.	
706	1	Handles, for boat hatchets, extra hickory, all white, polished ..... each.	
707	1	Handles, for pickaxes, extra hickory, all white, polished ..... each.	
708	1	Handles, for 8-pound blacksmith's sledges, extra hickory, all white, polished ..... each.	
709	2	Hatchets, ax pattern (boat), 3¾-inch cut, handled, Collins & Co.'s, No. 2 ..... each.	
NY. 710	2	Hatchets, broad (boat), 4½-inch cut, handled, Beatty's, No. 2 ..... each.	STOREHOUSE NEW YORK CITY,
G H. 711	1	Hatchets, claw (boat), 4-inch cut, handled, Beatty's, No. 3 ..... each.	STOREHOUSE GRAND HAVEN,
		Amount carried forward	

	Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
			Amount brought forward				
NY.	712	1	Hatchets, claw (boat), 4½-inch cut, handled, Collins & Co.'s, No. 3 ..... each.			STOREHOUSE NEW YORK CITY,	
G H.	713	1	Knives, drawing, extra quality, cast steel, 8 inch cut, handles ferruled and capped, Douglass Manufacturing Co.'s ..... each.			STOREHOUSE GRAND HAVEN,	
	714		Mallets, round, lignum-vitæ, 4 inches diameter, mortised handles ..... each.				
	715	1	Mallets, square, maple, 3 x 4 inches, mortised handles ..... each.				
	716	1	Nail sets, cast steel, No. 1 ..... each.				
	717	1	Nippers, end cutting, 7-inch, good American, warranted ..... each.				
	718	1	Oilers, zinc, "Paragon," No. 3, brass bottoms, double-walled cups ..... each.				
	719	2	Pickaxes, railroad pattern, adz eye, steel points, 6 pound, handled, average length 24½ inches, "Trenton" ..... each.				
	720	1	Pincers, steel, 7 inch, good American, warranted, each.				
	721	1	Planes, jack, best beech, "Sandusky," 16 inches long, Butcher's double iron, 2¼-inch ..... each.				
G H.	722	1	Planes, jointer, best beech, "Sandusky," 28 inches long, Butcher's double iron, 2¼-inch ..... each.				
	723	1	Planes, smoothing, best beech, "Sandusky," 8 inches long, Butcher's double iron, 2¼-inch ..... each.			STOREHOUSE GRAND HAVEN,	
	724	1	Pliers, steel, flat nosed, 8-inch, good American, warranted ..... each.				
	725	1	Rasps, wood, 12-inch, half-round, handled, Kearney & Foot's or Disston's ..... each.				
	726	1	Rules, carpenter's, boxwood, brass bound, 2-foot, 3 joints, 1⅛ inches wide, 8ths and 16ths ..... each.				
	727		[illegible] ..... each.				
	728	1	Saw sets, Morrill's, No. 1 ..... each.				
	729	1	Saws, butcher, 20-inch, extra spring steel blades, beech handles, polished edges, three brass screws, flat backs ..... each.				
	730	2	Saws, crosscut, lumber, 6-foot, set and sharpened, plain handled, Disston's ..... each.				
	731		Saws, crosscut, lumber, 8-foot, set and sharpened, plain handled, Disston's ..... each.				

NY.	772	2	Key safes, iron, "Abbey" pattern, with two keys, per sample ..... each.	STOREHOUSE NEW YORK CITY,
	773		Keys, for "Abbey" pattern key safes, per sample, each.	
	774		Keys, for Imhauser's time detectors, per sample, each.	
	775		Launching carriages, iron, Wood's improved, for lifeboats ..... each.	
	776		Launching carriages, iron, Wood's improved, for surfboats ..... each.	
	777	15	Life belts, cork, "Abbey" pattern, size 38 inches, per sample ..... each.	STOREHOUSE GRAND HAVEN,
G H.	778	20	Life belts, cork, "Abbey" pattern, size 40 inches, per sample ..... each.	STOREHOUSE GRAND HAVEN,
	779	10	Life belts, cork, "Abbey" pattern, size 44 inches, per sample ..... each.	STOREHOUSE GRAND HAVEN,
	780		Life belts, cork, "Ward" pattern, sizes as required, per sample ..... each.	Frt. Cty $13 70 B
NY.	781	1	Life cars ..... each.	STOREHOUSE NEW YORK CITY, 2 70 H
CONT. NY.	782	100 lb	Powder, Hazard's (L. S. S. Standard), 10 pound packages ..... per pound.	Supts. Constn. purchase contractor, for New York c
CONT. GH	783	*	Pumps, Rumsey's, No. 1, horizontal, double-acting, 5-inch cylinder, with fore and aft brakes, complete (2-inch suction and 2-inch discharge) each.	See item 785.
	784		Pumps, Rumsey's, No. 2, horizontal, double-acting, 6-inch cylinder, with fore and aft brakes, complete (2½-inch suction and 2½-inch discharge) each.	
	785	1	Pumps, Gould's, "Challenge," No. 12, horizontal, double-acting, 5-inch cylinder, with fore and aft brakes, complete (2-inch suction and 2-inch discharge) ..... each.	18 cu B Supts. Constn. purchase contractor, for Grand Have
	786		Pumps, Gould's, "Challenge," No. 16, horizontal, double-acting, 6-inch cylinder, with fore and aft brakes, complete (2½-inch suction and 2½-inch discharge) ..... each.	
	787	1	Reels, double, for hand carts, per sample ..... each.	STOREHOUSE GRAND HAVEN,
G H.	788	2	Sand anchors, per sample ..... each.	STOREHOUSE GRAND HAVEN,
	789	2	Sand-anchor pendants, per sample ..... each.	STOREHOUSE GRAND HAVEN,
NY.	790	4 doz	Signals, "~~Coston~~ Pains," patrol ..... per dozen.	STOREHOUSE NEW YORK CITY,
NY.	791	6	Signal holders, "Coston," improved ..... each.	STOREHOUSE NEW YORK CITY;
G H.	792	1	Speaking trumpets, brass, 14-inch, marked "U. S. L. S. S." ..... each.	STOREHOUSE GRAND HAVEN,
			Amount carried forward	

Item No.	Quantity.	Articles. (Do not alter Descriptions.)	Prices. Dollars.	Prices. Cents.	Amount. Dollars.	Amount. Cents.
		Amount brought forward				
NY. 793	3	Tally boards, No. 1, per sample ..... each.	STOREHOUSE NEW YORK CITY,			
794	3	Tally boards, No. 2, per sample ..... each.	STOREHOUSE NEW YORK CITY,			
795		Telescopes, Bardou & Son's, day and night adjustment, No. 362, 22", per sample ..... each.				
Y. 796	1	Telescopes, brass, calf-covered body, diameter of object lens, 2½-inch, "U. S. L. S. S." engraved upon slides, per sample ..... each.	STOREHOUSE NEW YORK CITY,			
H. 797	2	Thermometers, copper case, per sample ..... each.	STOREHOUSE GRAND HAVEN,			
NY. 798	2	Time detectors, Imhauser's watchman's latest improved, with safety lock attachment, leather cases, 8 keys, 1 box dials (370 to box), complete, per sample ..... each.	STOREHOUSE NEW YORK CITY,			
799		Tripods, "McLellan," per sample ..... each.				

Y. { International Code of Signals, flags, 2 burgees and 6 pennants.
1 International Code of Signals, 13 flags, 2 burgees and [illegible] inches).
1 National Ensign, 12 by 6 1/2 feet.
1 Blue Pennant, 14 feet 6 inches long by 2 feet wide.
1 Red, for signaling, 2 feet [illegible] by 2 feet 6 inches wide.
1 White, for signaling, 2 feet [illegible] by 2 feet 6 inches wide. } STOREHOUSE NEW YORK CITY,

*

[illegible] Coke
[illegible] Nut per ton,
[illegible] Slack per ton,
[illegible] Soft per ton,
[illegible] Hard per ton,
[illegible] Delivered

[illegible] Total.

M. 12 [illegible] Day, mixed for record, delivered at the station. 3 00 36 00 Supts. Constn. purchase ✓
Geo Hutzler
So Mark. Sold

[illegible] cord,
[illegible]
[illegible]

b { * 2 Red flags, 4 ft. square
2 White " " " " } For general service STOREHOUSE NEW YORK CITY,

GUNS.		Guns, "Lyle", and equipments.
		Cartridge Bags, red, (See Item #755).
		Cartridge Bags, white, (See Item #756).
	2	Combination Levels.
	500	Friction Primers.
	2	Guns, "Lyle".
	2	Gun-Carriages.
	2	Haversacks.
	2	Lanyards.
	1	Powder-Measure, 1 ounce.
Y.	1	Powder Measure, 2 ounces.
	2	Priming Wires.
	12	Projectiles.
	2	Quoins.
	2	Rammers and Sponges.
	2	Sponge Covers.
	2	Vent Gimlets.
	2	Vent Punches.
	2	Waist Belts.
	2	Wiping Rods and Worms.
HARNESS.		
	set	Double.
	set	Single.
	set	Single, for combination beach and apparatus cart.

STOREHOUSE NEW YORK CITY,

NY. STOREHOUSE NEW YORK CITY,

OM. 2

at station 1.00 ✓ Supts. Constn. purchas

DM. * 51

June 13, 1902. Supts. constn. given amended authority to purcha @ 13¢ per gallon. $6.63

at Glen Haven, Supts. Constn. purcha

Mich.

STOREHOUSE NEW YORK CIT

NY.

160 ✓

80

Supts. Constn. pur

at storehouse
Grand Haven, Mich.

STOREHOUSE NEW YORK CIT

NY.

Aug. 13 1902. Dispr. auth. to forward from South Bend, In

OM 1 ~~f.o.b. Ogdensburg.~~ 17.00 Suspended for the pres

X 1 light- Supts. constn. forward from Monmouth Built Boat storage

STOREHOUSE NEW YORK CIT

NY. X 2 Megaphones

NY. XX 2 Staffs for use with general service code flag.

* Supts. Constn. notified by letter Aug.

[illegible] Contract's.

[illegible]:

[illegible] Superintendents' [illegible] of [illegible] Form of contract. [illegible]

The dimensions [illegible] given are the exact [illegible] of [illegible] required, [illegible] have been made for [illegible] and relief.

No	Dimensions.			Total.	
	Lower story				
8	6'8" by 2'1" wide,		55	4	40
5	6'[illegible]" by 2'7" wide,		55½	2	77
	Storm porch.				
.	4'0" by 2'3½" wide		42		42
	Jambs.				
4	7'3½" by 1'11" wide		40	1	60
[illegible]	[illegible] by 2'0" wide		42	1	68
[illegible]	To be delivered at 10¢ per lin. ft.			10	87

Supts. Constn. purchase op

Sent July 24, 1902. Ltr. July 26/02.

Blanks, books, circulars, etc., from the Department.

We hereby certify that the above-named prices are just and reasonable.

Captains, R. C. S.,

Superintendents of Construction, L.S.S.

April 4th, 1902.

APPENDIX IV.

From U.S. Life-Saving Service, Letters Received 77665, Sleeping Bear Point Life-Saving Station, Record Group 26, The National Archives, Washington, D.C.

Life-Saving Service,

Twelfth District,

Sleeping Bear Point Station,

July 30th, 1902

General Superintendent Life Saving Service

Sir

in regards to L.R. 17665

I will Respectfully say. I received the Books blanks and circulars etc. on the 28th of July 1902 in good condition

Respectfully Yours

William Walker

Keeper Sleeping Bear Point Station

12th District

Life-Saving Service,

Twelfth District,

South Manitou Island Station,

August 6th, 1902

Hon. S. I. Kimball

General Superintendent Life Saving Service

Washington D.C.

Sir.

Herewith respectfully acknowledge the receipt of the following articles, from your office, for use at this Sta

1 International Code Signal Book, 2 Regulations of Life Sav. Service

2 Official Register of U.S. Life Sav. Service, 26 Circulars,

10 Directions to Mariners in case of Shipwreck, 12 Reports o change in crew, Form 1811. 11 Articles of engagement of Surfmen, Form 1

11 applications for Medical Inspection of Keepers, Form 1801

7 Directions for Restoring the Apparently Drowned and

2 Amending Regulations of the Life Saving Service.

Very Respectfully

Gus Bofberg

Keeper

APPENDIX V.

From U.S. Life-Saving Service, Letters Received 77665, Sleeping Bear Point Life-Saving Station, Record Group 26, The National Archives, Washington, D.C.

(Act of ... 1,000,000.)

No. 19. TREASURY DEPARTMENT

814.

GENERAL EXPENSES.

Proposal of H. C. Swain and Son, sent to Dept. with bill for two desks, June 3, 1902 ... $37.00 LR 77665-6, paid by Geo A. Bartlett June 21, 1902.

May 13,

Swain and Son Dr.

[Post-office address]

Street, N.Y.

190 2

DOLLARS | CTS. | SUB-VOUCHER NO.

77665-5)

Elm grith

2 55 ✓ 5 00 ✓

Accepted

to the

Adv.

Do

SAVING STATIONS * INSPECTOR OF U.S. LIFE- JUL 1902

15

77665

GENERAL EXPENSES.

DUPLICATE.

The United States, To H. H. Swan and Son, Dr.

[Post-office address] 39 Beare Street, N.Y.

Date Expense was incurred.	Authorized by letter dated	DOLLARS.	CTS.	SUB-VOUCHER NO.
190 2 June 24	June 3 1902 (B.T. 776.63-5) 190 2			
	2 #8311-2x4 yer. Chairs wood seat — 1 golden elm spike casters @ 25¢	5	00	

Advertised for.

Accepted proposal forwarded to the Auditor of the Treasury Department with [illegible]

For Sleeping Bear Point and Manitou Island Lights

I CERTIFY that the articles above enumerated [Articles or services.] have been received [Received or performed.] that they have been duly inspected and were delivered and accepted on the 26th day of June 190 2; that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable, and do not exceed current market rates.†

made no all respect accord- ing to proposal

H. H. Swan Jr. Captain, U.S.R.C.S. Asst. Inspector

APPROPRIATION: Establishing Life-Saving Stations

Approved

Boutelle Asst. Secretary

RECEIVED at Washington, D.C. this day of July 190

Disbursing

dollars, in full of the above account.

$ 5.00

H. H. Swan Jr.

WITNESS

Paid by check on No. , dated 190

drawn to the order of

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and in all respects according to contract," or "and that the exigency of the service required the immediate [Delivery or performance.]
‡ To be receipted in black ink in all cases.
§ This blank to be filled when the bill is in favor of a corporation.

2—859

FORM 17.

VOUCHER FOR GENERAL EXPENSES.

The United States To Wm. Hamm Jr. Dr.

[Post-office address.] 39 Bearen St. New York

Date Expense was Incurred.	Authorized by Letter dated	DOLLARS.	CTS.	SUB-VOUCHER NO.
1906	May 12th			
May 13	G.S.L. Apr. 29, 1908 L.R. 77665, 1908			
	2 Desks 48" Oak @ 18.00	36		

For Keeping Bear Point Lgs.
For South Manitou Island Lgs

DUPLICATE.

Advertised for

[Articles or services.] [Received or performed.]

We CERTIFY that the articles above enumerated have been received; that they have been duly inspected and were delivered and accepted on the 19th day of May, 1906; that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable, and do not exceed current market rates.

Bids will not be considered unless accepted on this form.

Capt. & R. O. S.
Sup't Constr'n L.S.S.

APPROPRIATION
Establishing Life Saving Stations

Approved

Received at Washington D.C. this day of June

of Geo. A. Bartlett

Twenty-seven

dollars, in full of the above account.

37 00

Disbursing

WITNESS

Paid by check on No dated

drawn to the order of

[Delivery or performance.]

* The price per unit of weight or measure should be stated in all cases. Insert here "and in all respects according to contract price," and this
† To be receipted in black ink in all cases.
‡ This blank to be filled when the bill is in favor of a corporation.

FORM 1814.

VOUCHER FOR GENERAL EXPENSES.

The United States, To Frederick G. Lax, [Post-office address.], Dr.

111-113 West 125th St., New York City.

Date Expense was Incurred.	Authorized by Letter dated April 29, 1902. L.R.77665., 190 .	DOLLARS.	CTS.	SUB-VOUCHER NO.
190 . 5/13/02.	* Forty-four window shades, best Scotch Holland, Sage, "Hartshorn" rollers, or equally good, with fixtures complete, for face of casings. No hem at sides. Sizes furnished. price for lot,	21	75	
	For Sleeping Bear Point and South Manitou Island Life-Saving Stations, 12th District.			
	S.O.1064-1065.			
	Advertised for.			

DUPLICATE.

[Articles or services.] [Received or performed.]

We CERTIFY that the articles above enumerated have been received; that they have been duly inspected and were delivered and accepted on the 20th day of May 1902; that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable, and do not exceed current market rates; and in all respects according to accepted proposal. 6/3/02

Captains, R.C.S., Sup'ts Constr'n L.S.S. Superintendent.

APPROPRIATION: Establishing Life Saving Stations

Approved:

Assistant Secretary.

RECEIVED at Washington, D.C., this [redacted] day of June, 1902

of: Geo. A. Bartlett, Disbursing Clerk., Disbursing, the sum of

twenty-one, 75/100

dollars, in full of the above account.

$ 21.75

†† Frederick G. Lax

WITNESS:

Paid by check on, No., dated, 190 ,

‡ drawn to the order of

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and in all respects according to contract," or "and that the exigency of the service required the immediate [Delivery or performance.]"
†† To be receipted in black ink in all cases.
‡ This blank to be filled when the bill is in favor of a corporation.

2—359

Atlantic and Lake Coasts,

No. 17 State St., New York, N. Y.,

March 6, 1902

Sealed proposals, in duplicate, will be received at this office until 12 o'clock, noon, of March 13, 1902, and then publicly opened, for furnishing and delivering at 104 Broad Street, New York, N.Y. for use of the Life-Saving Service, the articles named below, free of cartage, and packed as may be required.

Bidders must state the time when they propose to make deliveries.

Articles will be subjected to a rigid inspection before acceptance. The right is reserved to reject any or all bids, and to waive defects, if deemed for the interest of the Government.

Proposals should be inclosed in sealed envelopes, addressed to Superintendents of Construction L. S. S., and marked "Proposals for window shades"

John Dumett

Captains R. C. S., Superintendents of Construction L. S. S.

SUPERINTENDENTS OF CONSTRUCTION
LIFE-SAVING STATIONS,
No. 17 State Street, New York, N. Y.

In accordance with the above notice, inviting proposals for Life-Saving Service supplies, and subject to the conditions thereof, I propose to furnish and deliver at 104 Broad St. City the articles described below, at the price set opposite each article.

Name, Fred. G. Lay

Address, 111-113 W 125 St.

Time to make delivery, within 10 days

Dated, MAR 7 - 1902, 19

QUANTITY.	ARTICLES AND DESCRIPTIONS.	DOLLARS.	CTS.	PER—
	Window shades: Best Scotch Holland, Sage, Hartshorn rollers, or equal good, with fixtures complete, for face of casing. No hem at sides. The dimensions hereinafter given are the exact sizes of the shades required, as allowance has been made for hem at bottom and rol			
16	6' 8" X 2' 1" wide, each	$ 1.10	.5	
13	6' 8" X 2' 7" " "	5.55	.5	
2	4' 0" X 2' 3" " "	.14	.4	
8	3' 8" X 1' 11" " "	3.20	.4	

VOUCHER FOR GENERAL EXPENSES.

The United States, To The Manhattan Supply Co. Cor. Franklin St. and West Broadway, Dr.

[Post-office address.]

P. O. Box 723, New York N. Y.

Date Expense was Incurred.	Authorized by Letter dated G. S. L. Apr. 29, 1902 L.R. 77865, 190 .	DOLLARS.	CTS.	SUB-VOUCHER NO.
1902 May 24	* 4 Clocks Banner Lever n. f. 1 day, 8" dial 323 ✓	12	92	✓ ✓
	2 - Sleeping Bear Pt. Lss. 12 # D			
	2 - Arch Rock Mackinac Island Lss. 12 # D.			

DUPLICATE.

Advertised for.

[Articles or services.] [Received or performed.]

We CERTIFY that the articles above enumerated have been received; that they have been duly inspected and were delivered and accepted on the 24th day of May 1902; that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable, and do not exceed current market rates; and in all respects according to accepted proposal. 6/3/02

Captains, R.C.S., Superintendents
Sup'ts Constr'n L.S.S.

APPROPRIATION: Establishing Life Saving Stations

Approved:

Assistant Secretary.

RECEIVED at Washington, D. C. this day of June 1902

of Geo. A. Bartlett, Disbursing Clerk., Disbursing , the sum of

twelve, 92

dollars, in full of the above account. The Manhattan Supply Company, 190

$ 12 92

†† by Jos. F. McCann V. Prest,

WITNESS: C G Maley

Paid by check on , No. , dated , 190 ,

‡ drawn to the order of

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and in all respects according to contract," or "and that the exigency of the service required the immediate [Delivery or performance.]"
†† To be receipted in black ink in all cases.
‡ This blank to be filled when the bill is in favor of a corporation.

2—359

DUPLICATE.

VOUCHER FOR GENERAL EXPENSES.

The United States, To C. F. Hall, Dr.

[Post-office address.] Grand Haven, Mich.

Date Expense was incurred	Authorized by Letter dated	Dollars	Cts.	SUB-VOUCHER NO.
1907	April 29, L.R. 73665 — 1907			
May 10.	1 K.D. Table, Rotation, hardwood, 27×42 inches, with drawer, @ $1.20 each	3	20	1

Approved:-

5/19/07 Ellis Dennett
Captain, R.C.S.,
Supt. & Constr'n L.S.S.

Supplies for Grand Haven Harbor and Harbor Bar Point Life Saving Station, No. 12 — 2d District

[Articles or services.] [Received or performed.]

I CERTIFY that the articles above enumerated have been received that they have been duly inspected and were delivered and accepted on the 10th day of May 1907, that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable, and do not exceed current market rates.

Edward Fox
I was in all respects second lowest accepted proposal.

Chas. Munson
Superintendent.

APPROPRIATION: Establishing Life-Saving Stations
Life-Saving Service 1902.

Approved:

Received at Washington, D. C. this day of

Geo. A. Burdett, Auditing Clerk. Disbursing

dollars in full of the above account.

C. F. Hall

WITNESS:

Paid by check on No. dated 190

drawn to the order of

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and in all respects according to contract," "or" and that the exigency of the service required its
‡ To be receipted in black ink in all cases
This blank to be filled when the bill is in favor of a corporation.

VOUCHER FOR GENERAL EXPENSES.

DUPLICATE.

The United States to [illegible] Dr.

(Post-office address.) Detroit, Michigan

Date.	Articles or services.	Dollars	Cts.	Remarks.
190	Per Requisition dated April 29, 1902 H.R. 7765 For CASH			Contractor approved, [illegible]
	Range Jewel Wood, with Reservoir and steel furniture complete, as per Contract, Item 629	28	00	✓ 629
	2 Desks Jewel Wood Heated Cabinet, as per Item 651 @ 16.50	33	00	✓ 651
	Range Wood Marion Island Lts			
	1 - 29 L St Range Jewel range, wood, with reservoir and stove furniture complete as per Contract Item 629	28	00	✓ 629
	2 Desks Heated Cabinet, as per Contract Item 651 @ 16.50	33	00	✓ 651
	Tagged Sleeping Dead Point Lts	13	50	✓

(Articles or services.) (Received or performed.)

I CERTIFY that the articles above enumerated have been received that they have been duly inspected and were delivered and accepted on the 20th day of May 190 7; that they were necessary for and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable and do not exceed current market rates, and are correct, according to contract.

Chas Worton

APPROPRIATION Life-Saving Service 190 Approved

Establishing Life Saving Stations

Received [illegible] day of June

of [illegible] Beginning

One hundred seventy one Detroit Stove Wks

dollars, in full of the above account.

$171.

WITNESS W. Chamberlain Pres

Paid by check on No dated 190

drawn to the order of

The price per unit of weight or measure should be stated in all cases. (Delivery or performance required the immediate.)
Inscriptions or bills in all reports according to contract must be made that
To be receipted in black ink in all cases.
This blank to be filled when the bill is in favor of a corporation.

VOUCHER FOR GENERAL EXPENSES.

The United States, To J. N. HEGEMAN & CO., Dr.

— DRUGGISTS. — [Post-office address.]

793 Broadway, New York City

Date Expense was incurred.	Authorized by Letter dated	DOLLARS.	CTS.	SUB-VOUCHER NO.
1902. May 13	~~May 13~~ 1902 G. S. L. April 29, 1902, L. R. 7765			
June 2	*2 Medicine Chests, Complete, with Medicines at $30.00 each	60	—	✓
	✓ For South Manitou Island and ✓ Sleeping Bear Point Sts, 12th D.			

FORM 1814.

VOUCHER FOR GENERAL EXPENSES.

The United States. To A. G. ROWE, Dr.

[Post-office address.]

280 Broadway, NEW YORK City.

Date Expense was Incurred.	Authorized by Letter dated G. S. L. Apr 29, 1902, L.R. [illegible], 190 .	DOLLARS.	CTS.	SUB-VOUCHER NO.
1902				
May 15	To 2 No.6 Nickel Plated UNDERWRITERS FIRE EXTINGUISHERS at $13.50	27	00	✓ ✓
	,, 9 lbs. Bi-Carbonate Soda		60	✓
	,, 24 oz. Sulphuric Acid, 66° Baume		60	✓
		28	20	✓ ✓
	So. Manitou Island Lgs			
	Sleeping Bear Point Lgs			
	Shipped and packed as directed to U.S.L-S.S., Glen Haven, Mich. via. freight prepaid.			
				Advertised for.

DUPLICATE.

[Articles or services.] [Received or performed.]

WE CERTIFY that the articles above enumerated have been received, that they have been duly inspected and were delivered and accepted on the 19th day of June 1902, that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable, and do not exceed ~~current market rates~~. Buy

✓ and in all respects accord- ing to accepted Proposal

Captains, R.C.S., Sup'ts Constr'n L.S.S. Superintendent.

APPROPRIATION: Establishing Life Saving Stations

Approved:

Assistant Secretary.

RECEIVED at Washington, D.C., this [illegible] day of July, 1902

of Geo. A. Bartlett, Disbursing Clerk., Disbursing, the sum of

twenty-eight, 20/100

dollars, in full of the above account.

$ 28.20 †† A. G. Rowe

WITNESS:

Paid by check on, No., dated, 190 ,

‡ drawn to the order of

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and in all respects according to contract," or "and that the exigency of the service required the immediate [Delivery or performance.]"
†† To be receipted in black ink in all cases.
‡ This blank to be filled when the bill is in favor of a corporation.

2—359

(Rev. 3-25-1908—1,000,000)

TREASURY DEPARTMENT

GENERAL EXPENSES.

Omnibus receipt attached to original voucher.

Jack Anderson,	$3.20
A. Johnson	3.20
Olof Anderson	3.20
Pet Johnson	3.20
Albert Colston	3.20
Charley Peterson	3.20
Burrus W. Clayton	1.60
	$20.80

Mullegan, Dr.

[Post-office address.]

Blanco, Tex.

No. 77665 190

Services of laborers transportation hours and loading Salaries four (4) Assistants also two Keepers of Marston Bear Pens

Total 20 80 ✓ ✓

men engaged for dipping on the 6th and wagon 6th the machine the price charged

Personal services.

13

77665

14

GENERAL EXPENSES.

The United States, To James H Mulligan, Dr.
[Post-office address:]
Keith Long Island Mich.

Date Expense was Incurred	Authorized by Letter dated April 29, 1902 (2-7765) 190	DOLLARS	CTS.	SUB-VOUCHER No.
190 2				
June 5th	* Expenses incurred for labor of seven (7) men to assist in transporting from the boat House and loading on the cars for transportation four (4) surfboats and equipment also two (2) surfboat wagons to Keepers of Manitou Island and Sleeping Bear Point Life Saving Stations Mich.	20	80	✓ ✓
	I certify the seven (7) men engaged for transporting and loading on the cars the above named boats and wagons were necessary owing to the inaction of the ice and that the price charged is just and reasonable. J H Mulligan Keeper			

DUPLICATE.

I CERTIFY that the Services above enumerated have been performed [Articles or services.] that they have been duly inspected and were delivered and accepted on the 5th day of June 190 2; that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable, and do not exceed current rates; and that the exigency of the service required the immediate performance.

Capt. U.S.R.C.S.

Approved

Asst. Secretary.

APPROPRIATION: Establishing Life-Saving Stations

RECEIVED at [illegible] this [illegible] day of [illegible] 190[illegible]
of George [illegible] Disbursing Clerk, the sum of
Twenty 80/100
dollars, in full of the above account.

$20 80

WITNESS

James H Mulligan

Paid by check on [illegible] No. [illegible] dated [illegible] 190[illegible]
drawn to the order of [illegible]

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and in all respects according to contract," or "and that the exigency of the service required the immediate performance."
†† To be receipted in black ink in all cases.
‡ This blank to be filled when the bill is in favor of a corporation.

2—350

FORM 1814.

...R FOR GENERAL EXPENSES.

...States, To The Continental Iron Works, Dr.
[Post-office address.]
West & Calyer Sts., Brooklyn, N. Y.

Date Expense was incurred.	Authorized by Letter dated G. S. L. Apr. 29, 1902 L.R. 7765 1902	DOLLARS.	CTS.	SER. VOUCHER NO.
1902 May 14	* To Freight on two (2) Life Cars, prepaid as far as Chicago, C/o Northern Michigan Transportation Company, cars shipped to U. S. Life Saving Service, Glen Haven, Mich., as per bill of lading herewith,	$24	40	
	Delivery to Pennsylvania R.R. @ $1.50	3	00	
		$27	40	
		O K		
	One (1) Life Car for South Manitou Island Life Saving Station.			
	One (1) Life Car for Sleepy Bear Point Life Saving Station.			
		Personal services.		

DUPLICATE.

[Articles or services.] [Received or performed.]

We CERTIFY that the Above above enumerated have been Performed that they have been duly inspected and were delivered and accepted on the 23rd day of May 1902; that they were necessary for, and have been, or will be, applied to the use of the Life Saving Service; that the prices charged are just and reasonable, and do not exceed current market rates; and that the exigency of the service required the immediate performance.

APPROPRIATION
For Establishing Life Saving Stations

C. S. Abbot
for Capt. Dennett
Captain, R. C. S. [illegible]
Approved

RECEIVED at Washington D C this 3rd day of June
of Geo. A. Borden Disbursing Clerk
Twenty seven 40/100 dollars, in full of the above account.
$27.40

THE CONTINENTAL IRON WORKS
Thos. F. Kane & Co. Pres.

WITNESS

Paid by check on No., dated 190
drawn to the order of

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and" in all respects according to contract" or "and that the exigency of the service required the immediate [illegible]
†† To be receipted in black ink in all cases.
‡ This blank to be filled when the bill is in favor of a corporation.

[illegible] Delivery or performance

2—359

HOBLYEN FREIGHT AGENT
FOOT OF NORTH FOURTH STREET.

Bill No. BROOKLYN, E. D. MAY 23 1902

Way-bill No. Date

To ★ UNION LINE, Dr. Car No.

PENNSYLVANIA RAILROAD CO. PENNSYLVANIA COMPANY. Shipped by

For charges on the Articles named below. Original point of shipment

Exd. Original Car No.

MARKS	ARTICLES	WEIGHT	RATE	FREIGHT CHARGES	ADVANCES	TOTAL

MAY 26 1902

CREDIT TO

EXAMINED AND

ADJ BY

PAID MAY 26 1902

Received Payment for the Company.

190 Agent

DRAW CHECK TO ORDER OF THE PENNSYLVANIA RAILROAD COMPANY.

17
97665

FORM 1814

VOUCHER FOR GENERAL EXPENSES.

The United States, To E. L. Smith, Dr.

[Post-office address.] Bay Shore N Y

Date Expense was Incurred.	Authorized by Letter dated	DOLLARS.	CTS.	SUB-VOUCHER NO.
1902	~~Inspector Life Saving Service~~ May 15, 1902 (L.S.)			
June 22	To 104 feet Cork Lindsey at 22½ cts per foot	23	40	✓
	on pay for Sleeping Bear Point			
	on pay for South Manitou Island			
	For Sleeping Bear Point and South Manitou Island Stas.			

DUPLICATE. ✓ output

Advertised for

[Articles or services.] [Received or performed.]

I CERTIFY that the articles above enumerated have been received; that they have been duly inspected and were delivered and accepted on the 21st day of June 1902 that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service; that the prices charged are just and reasonable, and do not exceed current market rates.† and in all respects according to accepted proposal.

E. L. Abbey

for S. I. Kimball

Captain, U.S.R.C.S., Supt. [illegible]

APPROPRIATION: Establishing Life Saving Stations

Approved:

Assistant Secretary.

RECEIVED at Washington, D. C., this ____ day of July, 1902

of Geo. A. Bartlett, Disbursing Clerk, Disbursing ____, the sum of twenty-three 40/100

dollars, in full of the above account.

$ 23 40

†† E. L. Smith

WITNESS: ____

Paid by check on ____, No. ____, dated ____, 190

‡ drawn to the order of ____

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and in all respects according to contract," or "and that the exigency of the service required the immediate ____" [Delivery or performance.]
†† To be receipted in black ink in all cases.
‡ This blank to be filled when the bill is in favor of a corporation.

2—359

Form 2.
Rev. 14 1901 1,000

NOTICE. DUPLICATE

PROPOSAL.

Life-Saving Service,
Office of Superintendents of Construction of Stations
Atlantic and Lake Coasts,
No. 17 State St., New York, N. Y.

May 5, 1902. ,190__

Sealed proposals, in duplicate, will be received at this office until 12 o'clock, noon, of May 10, 1902 ,190__, and then publicly opened, for furnishing and delivering at #104 Broad Street, New York, N. Y., for use of the Life-Saving Service, the articles named below, free of cartage, and packed as may be required.

Bidders must state the time when they propose to make deliveries.

Articles will be subjected to a rigid inspection before acceptance. The right is reserved to reject any or all bids, and to waive defects, if deemed for the interest of the Government.

Proposals should be inclosed in sealed envelopes, addressed to Superintendents of Construction L. S. S., and marked "Proposals for outfit supplies"

Captains R. C. S., Superintendents of Construction L. S. S.

SUPERINTENDENTS OF CONSTRUCTION
LIFE-SAVING STATIONS,
No. 17 State Street, New York, N. Y.

In accordance with the above notice, inviting proposals for Life-Saving Service supplies, and subject to the conditions thereof, We propose to furnish and deliver at 104 Broad Street Newyork the articles described below, at the price set opposite each article.

Name, J. N. HEGEMAN & Co. Per Walter

Address, 793 Broadway Newyork

Time to make delivery,

Dated, May 8 ,190 2

QUANTITY.	ARTICLES AND DESCRIPTIONS.	DOLLARS.	CTS.	PER—
Two (2)	oil tanks,60-gallon capacity,#26 galvanized iron,with pump,front of hood to slide around, lettered U.S.L.S.S.,and having a 4-piece mitered joint,round,[illegible] bottom,let in flush with rim,delivered at #104 Broad St.,New York,-			each
Two (2)	medicine chests,with medicines,per sample,delivered at #104 Broad St , New York, - - - -	1.	30	each
Two (2)	clocks,tanner lever,nickel-plated,one-day,8-inch dial,time,U.S.L.S.S.,in black letters,3/8-inch,on dial,delivered #104 Broad St.,New York,-			each
Two (2)	pairs of fenders,cork,for boats,5 inches diameter at center,tapered to 2 1/2 inches at ends,covered with #4 cotton canvas,with fixtures complete,viz.,18 fathoms of 6-thread, [illegible] and 1 linen composition [illegible] of fenders 25 feet (1 foot in all),delivered at #104 Broad St.,New York,- - - - - - - - - -			foot
Two (2)	chairs,revolving,wood seat,golden elm,with casters,8311-2 X Y,or equal,packed for shipment,delivered at #104 Broad St.,New York,-			each
Two (2)	desks,quartered [illegible] panels,roll-top,48 to 54 inches long,30 to [illegible] inches deep,45 to 49 inches high,20 or more pigeon-holes,4 or more divisions or 2 or more drawers for letter or cap paper,3 or more drawers in left pedestal, with 2 perpendicular lights and 2 shelves on top in right pedestal,high-grade lock on curtain and door,duplicate keys;mounted on large plate casters,securely packed ready for shipment,delivered at [illegible] and St ,New York,- (Dealers may bid on one or more or all of the items.)			each

FORM 1814.

VOUCHER FOR GENERAL EXPENSES.

The United States, To CENTRAL RAILROAD COMPANY OF NEW JERSEY, [Post-office address.], Dr.

Central Building, Liberty & West Streets, New York City.

Date Expense was incurred.	Authorized by letter dated April 29, 1902 (L.R.77665), 190 .	DOLLARS.	CTS.	SUB-VOUCHER NO.
1902 June 5	* Transporting two (2) Beebe-McLellan surfboats, with centerboard, etc., two (2) 23-foot Monomoy surfboats, with centerboard, etc., and two (2) light surfboat wagons, from Galilee, New Jersey, to Glen Haven, Michigan, for the Sleeping Bear Point and South Manitou Island Life-Saving Stations, Twelfth District, - - - - - - - - - - - -	$243	56	
	Do Manitou, 1 Beebe McL, 1 Monomoy, 2 sculls, B.&O. car 32906, 53715			
1/2712 2 B.White 447.	" Sleeping Bear Pt., 1 Beebe McL, 1 Monomoy 5000 " " " 82865,			
	" " " " 1 surf float wagon, 7000 " " " 82865			

Duplicate ORIGINAL.

[Articles or services.] [Received or performed.]

I CERTIFY that the services above enumerated have been performed that they have been duly inspected and were delivered and accepted on the 5th day of June 1902; that they were necessary for, and have been, or will be, applied to the use of the Life-Saving Service that the prices charged are just and reasonable, and do not exceed current market rates;†

and that the exigency of the service required the immediate performance.

9/12 Captain, U.S.R.C.L., Supt. Central Div. Superintendent

APPROPRIATION: Establishing Life Saving Stations Life Saving Service, 1902.

Approved:

Assistant Secretary

RECEIVED at Washington, D. C., this 9th day of September, 1902

of Geo. S. Bartlett, Disbursing Clerk., Disbursing , the sum of two hundred forty-three 56/100 dollars, in full of the above account.

$243.56

CENTRAL R.R. CO. OF N.J.

††

WITNESS:

Paid by check on , No. , dated , 190

‡ drawn to the order of

* The price per unit of weight or measure should be stated in all cases.
† Insert here "and in all respects according to contract," or "and that the exigency of the service required the immediate [Delivery or performance.]
†† To be receipted in black ink in all cases.
‡ This blank to be filled when the bill is in favor of a corporation.

2—359

BIBLIOGRAPHY

MANUSCRIPT MATERIAL

Washington, D.C. National Archives. Record Group 26, Records of the United States Life-Saving Service. The following items from RG26 were particularly useful:

Articles of Enlistment for Surfmen. This body of material contains the employment records of each surfman. The records from 1912 to 1915 are not summarized in the Register of Employees.

Logs of Life-Saving Stations. (Located at the Washington National Records Center.) The Logs are an excellent source for information about the daily happenings at Sleeping Bear Point Station. Most shipments of supplies were noted in the Logs.

The Record of Boats at Life-Saving Stations 1900-1902. This documents lists all the boats which were located or issued to the stations for the years 1900-1902. It also provides basic specifications and the builder for each boat.

Register of Letters Sent 1901-1907. The Register summarizes the Letters Sent regarding the Sleeping Bear Point Station.

Letters Received and Sent. L.R. 77665 contains the original "List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station Twelfth District," purchase orders, and shipping vouchers for the original outfitting of the station.

Register of Employees. This Register summarizes the employee records from 1902-1912.

Wreck Reports of Stations, 1902-1909. The Wreck Reports provide information on what ships were wrecked or came near disaster and how the station dealt with the crisis. For example, they list what Life-Saving equipment was used, how much property the ship lost and whether or not any people were rescued or removed from the ship.

Register of Wreck Reports Received from Life-Saving Stations, 1897-1905 and 1908-1912. 2 vols. This document summarizes the individual wreck reports.

PUBLISHED MATERIAL

Bennett, Robert F. Surfboats, Rockets, and Carronades. Washington: Government Printing Office, 1976. Bennett's books is particularly useful for its discussion of the Life-Saving Service's equipment, and when certain apparatus came into use.

Dalton, J.W. The Life Savers of Cape Cod. Boston: Barta Press, 1902. The illustrations of Cape Cod Life-Saving Stations are most useful, particularly the station interiors.

Gwynne, Charles T. "With the Life-Savers," The Rudder, XX, No. 1 (July 1908): 1-5. This article provides a good general discussion of the routine life of the surfmen. It also contains a good explanation with accompanying illustrations of launching the surfboat.

Kimball, Sumner I. The Organization and Methods of the United States Life-Saving Service. Revsd. Washington: Government Printing Office, 1912. Sumner Kimball was General Superintendent of the Life-Saving Service from its founding in 1871. He discusses in general the design of the stations, their equipment, and the duties of the Life-Saving Service men.

Natty, Bernard C., Dennis L. Noble, and Truman R. Strobridge, eds. Wrecks Rescues and Investigations: Selected Documents of the U.S. Coast Guard and Its Predecessors. Wilmington, Delaware: Scholarly Resources, Inc., 1978. This book is an excellent source for the history of Life-Saving Service apparatus. Two very useful sections are the Coast Guard instructions on how to load the beach cart and how to operate the Lyle gun.

Noble, Dennis L. United States Life-Saving Service Annotated Bibliography. Washington: United States Coast Guard, Public Affairs Division, 1975. Dennis Noble's bibliography provides a good introduction to materials on the history of the Life-Saving Service.

O'Brien, T. Michael. Guardians of the Eighth Sea: A History of the U.S. Coast Guard on the Great Lakes. Washington: Government Printing Office, 1976. This general history provides an overview of the Life-Saving Service and a good bibliography.

Otis, James (Kaler). The Life Savers: A Story of the United States Life-Saving Service. New York: E.P. Dutton and Company, 1899. The Life-Savers is an adventure story of a young boy adopted by the crew of a Life-Saving Station. This book provides excellent background information on what life was like at a station.

United States Coast Guard. Instructions for United States Coast Guard Stations, 1916. Washington: Government Printing Office, 1917. Many of the regulations and routines remained the same after the Coast Guard took over the Life-Saving Service and this edition is particularly useful for its lists of equipment stored in the boats and beach apparatus cart.

United States Life-Saving Service. Annual Report of the United States Life-Saving Service. Washington, D.C.: Government Printing Office. Yearly, 1900-1915. The Annual Reports are most useful for general information concerning rescues, statistics, and openings and closings of the stations.

United States Life-Saving Service. Plans and Specifications for the Beebe-McLellan Self Bailing, Water-Ballast Surfboat with Centerboard. Washington: Government Printing Office, 1908. These plans are the original government drawings and specifications for the building of a U.S.L.S.S. Beebe-McLellan surfboat.

United States Life-Saving Service. Regulations for the Government of the Life-Saving Service of the United States. Washington: Government Printing Office, 1899. This edition of the Life-Saving Service regulations was probably the one issued to the Sleeping Bear Point Station. Duties and drill routines are spelled out in the regulations. Uniform specifications are also detailed.

United States Life-Saving Service. Revised Regulations for the Government of the Life-Saving Service of the United States and the Laws Upon Which They are Based. Washington: Government Printing Office, 1884. This edition contains a copy of the general inventory form listing all the equipment and furnishings which might be issued to a station.

Wooden Shipbuilding and Small Craft Preservation: Papers from the Symposium on the American Wooden Shipbuilding Industry and the Museum Conference on Small Craft. Washington, D.C.: The Preservation Press, National Trust for Historic Preservation, 1976. The article on "Nineteenth Century Coastal Lifeboats" by William D. Wilkinson is particularly useful for the history of the lifeboat and a discussion of the differences between lifeboats and surfboats.

Wyma, Cornelia and John Albright. Historic Structure Report, Glen Haven Coast Guard Station: Architectural and Historical Data. Denver: The National Park Service, 1977. The Furnishing Plan incorporates material found in the Historic Structures Report, most notably the "Original List of Articles of Outfit for the Sleeping Bear Point Life-Saving Station, Twelfth District, June 24, 1901," a facsimile in Appendix A.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1983—681-376/493 REGION NO. 8

As the Nation's principal conservation agency, the Department of the Interior has basic responsibilities to protect and conserve our land and water, energy and minerals, fish and wildlife, parks and recreation areas, and to ensure the wise use of all these resources. The Department also has major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

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