

UNITED STATES LIGHT-HOUSE ESTABLISHMENT.

**DAILY EXPENDITURE**

AND

General Annual Account of Stores, Illuminating Apparatus,  
Fixtures, and all other Public Property,

RECEIVED AND CONSUMED

At the *Ontonagon Main*

Light Station *April 1889 to Nov 30, 1891*

9  
14

*min*

24

ELL

Lighthouse

N. 1/2 of LOT 7 Sec 25

374

375

Boundary of Site  
1320

Lighthouse Site October 1887

500 Ft 1000 Ft



# UNITED STATES LIGHT-HOUSE ESTABLISHMENT.

## RETURNS.

1. Keepers are required to make up their quarterly returns promptly at the close of each quarter-year, and transmit them by mail to the address of the light-house inspector of the district for examination, and, if found to be correct, entry on the books of the inspector's office, and transmission to the Light-house Board.

2. In addition to the quarterly return of daily expenditures of oil, wicks, and chimneys, and the abstract of the aggregate receipts and expenditures during the quarter, at the back of it (Form No 45), and the annual returns of shipwrecks near the light-station, and of the number of vessels which have passed within sight of the light during the year, a RETURN of all articles and quantities received and expended during the year (Forms Nos. 48a, 48b, 48c), from the 1st July to the 30th June, and a correct inventory of all public property at the light-station at the close of the fiscal year, will be made up from the expenditure books, according to the printed forms, and transmitted immediately thereafter by mail, or delivered by hand, to the light-house inspector of the district, to be examined, entered in the books of his office, and, when found to be correct, transmitted to the Light-house Board.

3. When a light-keeper resigns or is removed, a correct inventory of all public property under his charge will be made up in the presence of his successor, who will retain a copy, and sign two others, as receipts to the retiring keeper (Forms Nos. 46a and 46b), to be sent or delivered to the light-house inspector.

4. In case of the death of a keeper, the successor will receive from the wife or assistant, or other responsible person in charge of the light at the time, the supplies and other public property, and receipt for them as in the case of resignation or dismissal of a keeper.

5. No light-keeper, or representative of a light-keeper, will be entitled to receive any balance on account of salary until he shall have accounted satisfactorily for all the public property in his charge, or which should have been in his charge, at the time of the resignation, dismissal, or death of the keeper.

6. No keeper should sign receipts upon entering upon duty, or for supplies from the supply vessel, or from any other source, unless he is satisfied that the articles and quantities are correctly stated, as keepers will be held strictly and pecuniarily responsible for all articles and quantities they receipt for, and a subsequent discovery of error in their receipts will not relieve them from this responsibility. The names and quantities of all articles of public property must be entered at the proper places in this book as soon as they are received, and the quantities consumed must be entered at the times of issuing them for consumption.

7. All articles condemned as unfit for use are to be retained for exhibition to the inspector; and no alleged deficiency of utensils, brooms, brushes, or other fixtures, will be supplied unless the worn out or condemned articles are kept and exhibited when called for, and the keeper will be held accountable for their original value.

The attention of keepers is called to the *General Accounts* of stores received and consumed, given on the last pages of this book.

***See end of Book for General Account of Stores, Illuminating Apparatus, Fixtures, and all other public property, received and consumed.***

NOTE.—Light-keepers are strictly prohibited from making any purchases, or incurring any expenses, on account of the Light-house Establishment, by the Rules and Regulations. No bills or claims will be paid. Light-keepers will make their wants known in time, and, if reasonable, they will be supplied by the inspector or other authorized agent of the Light-house Board.

THORNTON A. JENKINS,  
*Secretary Light-house Board.*

As soon as articles are received they should be entered in the book under the appropriate heading. Before a quarterly return is transmitted to the Inspector, its figures should be entered under the head of articles consumed, and a balance should be struck, which balance should, in all cases, correspond with the quarterly return and should be the basis of the next quarterly return.

The same remarks apply to the *Annual Returns*.

## LIGHT-VESSELS.

The foregoing directions will be followed by keepers of LIGHT-VESSELS so far as they are applicable to them.

By order of the Light-house Board:

W. B. SHUBRICK,  
*Chairman.*

THORNTON A. JENKINS, }  
W. B. FRANKLIN, } *Secretaries.*

TREASURY DEPARTMENT,  
*Office Light-house Board, Sept. 6, 1858.*

Approved:

HOWELL COBB,  
*Secretary of the Treasury.*

## CIRCULAR.

### ORDERED:

1. That the attention of the inspectors be called to the negligent and irregular manner in which many of the light-keepers keep their expenditure books and make up their quarterly returns of expenditures of oil and other supplies.

2. That the inspectors be instructed to have the daily expenditure returns of the light-keepers carefully examined as they are received from the keepers, and, when found to be correct, entered in the office book, before transmission to the Light-house Board, and report all cases to this Board in which there is evidence of negligence in keeping the accounts of expenditures, or of any attempt to keep them by computation of time, or of quantities of oil expended.

3. That the most rigid accountability must be exacted of all persons employed on light-house service for all public property intrusted to their care, and any failure to account satisfactorily for oil or other public property is to be promptly reported.

By order of the Light-house Board:

W. B. SHUBRICK,  
*Chairman.*

THORNTON A. JENKINS, }  
W. B. FRANKLIN, } *Secretaries.*

TREASURY DEPARTMENT,  
*Office Light-house Board, Washington City.*

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Outregon Main* Light House, in the month of *April*, 18*77*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)		
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.						
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15	6	19	5	19	10	39					1	2 1/2	14		Damp light wind variable	
16	6	17	5	17	10	36					1	2 1/2			" fresh breeze N.E.	
17	6	16	5	16	10	33					1	2 1/2			Rain " " variable	
18	6	15	5	15	10	31					1	2 1/2			" " " "	
19	6	13	5	13	10	28					1	2 1/2			Damp fresh wind N.E. & S.W.	
20	6	11	5	11	10	26					1	2 1/2			Rain " " " " N.E.	
21	6	9	5	9	10	23					1	2 1/2			Damp " breeze N.	
22	6	8	5	8	10	21					1	2 1/2			S. rain " " " " N.E.	
23	6	7	5	7	10	18					1	2 1/2			" " " " variable	
24	6	5	5	5	10	16					1	2 1/4			Snow rain gale N.E. to N.	
25	6	4	5	4	10	13					1	2 1/4			Damp light breeze variable	
26	6	2	5	2	10	11					1	2 1/4			" fresh " " N.	
27	6	0	5	1	10	8					1	2 1/4			Rain " " " " "	
28	6	59	5	0	10	4					1	2 1/4			Snow rain fresh wind N.W.	
29	6	57	5	59	10	1					1	2 1/4			" fresh wind N. to N.	
30	6	56	4	57	9	59					1	2 1/4			Damp " breeze N. to N.	
31																
							3	0	0	1/4						1.3.1.0 1/4

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light House	3	0	1/6
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts	1	3	1 1/6
Total quantity expended in this month	4	3	1 1/8

Order of Lens *5* Kind of Light *F.W.*  
 Number of Wicks in burner *Four* Diameter of outer burner *1 1/8 inches*  
 Written by me— *J. A. Logan* Light-Keeper.  
*J. A. Logan* Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Autonagon* Light House, in the month of *May*, 188*9*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	6	59	4	55	9	58			1	2 1/4		7		Damp light breeze N W x N	
2	7	0	4	54	9	53			1	2 1/4				" " " W	
3	7	1	4	53	9	51			1	2				dry " "	
4	7	2	4	52	9	49			1	2				Smoky dry light breeze variable	
5	7	3	4	50	9	47			1	2				dry fresh wind S W	
6	7	4	4	49	9	44			1	2				" " " " "	
7	7	5	4	48	9	42			1	2				Rain " " " "	
8	7	6	4	47	9	40			1	2				Rain - - - S	
9	7	7	4	46	9	38			1	2				damp - - - westward	
10	7	9	4	45	9	35			1	2				dry - breeze variable	
11	7	10	4	44	9	33			1	2				damp light - W	
12	7	11	4	43	9	31			1	2				" " - - - "	
13	7	12	4	42	9	29			1	1 1/4				" fresh - N E	
14	7	13	4	41	9	27			1	1 1/4		7		" " - - - "	
15	7	14	4	40	9	25			1	1 1/4				Rain - wind - - -	
16	7	15	4	39	9	23			1	1 1/4				damp - - - variable	
17	7	16	4	38	9	21			1	1 1/4				" light breeze -	
18	7	17	4	37	9	19			1	1 1/4				Rain fog light wind variable	
19	7	18	4	36	9	17			1	1 1/4				" " " fresh - N	
20	7	19	4	35	9	15			1	1 1/4				Snow - - - -	
21	7	20	4	34	9	13			1	1 1/4				" " " " N. W	
22	7	21	4	33	9	11			1	1 1/4				damp light - - - x E	
23	7	22	4	32	9	9			1	1 1/4				Rain - breeze variable	
24	7	23	4	31	9	8			1	1 1/4				damp - - - -	
25	7	24	4	29	9	5			1	1 3/4				dry - - - N	
26	7	25	4	30	9	4			1	1 3/4				" " " " variable	
27	7	26	4	30	9	3			1	1 1/2				damp fresh wind N	
28	7	27	4	29	9	2			1	1 1/2		7		" " " " "	
29	7	28	4	28	9	1			1	1 1/2				" " " " "	
30	7	29	4	27	9	0			1	1 1/2				" " " " N. E	
1	7	30	4	26	8	59			5	2	1	0 1/2	21	2.0.0.0	" gale " "

	GALLONS.	QUARTS.	PINTS
Total quantity consumed in the lamp of the Light-House.....	5	2	1 1/8
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	0	0
Total quantity expended in this month.....	7	2	1 1/8

Order of Lens *5<sup>th</sup>* Kind of Light *2. W*  
 Number of Wicks in burner *one* Diameter of outer burner *1 1/8 inches*  
 Written by me— *J. Logan* *Keeper*  
*J. Logan*, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Cutwagon Main* Light *Houses* in the month of *June*, 1889, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	7	29	4	26	8	50				1	1/2			Rain & gale N.E.	
2	7	30	4	25	8	55				1	1/2			" fresh wind S.W.	
3	7	31	4	25	8	54				1	1/2			" " breeze N.	
4	7	32	4	24	8	52				1	1/2			Calin Hazy dry	
5	7	32	4	24	8	52				1	1/2			Dry Hazy light breeze var	
6	7	33	4	24	8	51				1	1/2			" " " " "	
7	7	33	4	24	8	50				1	1/2			" fresh " S.E.	
8	7	34	4	23	8	49				1	1/2			" " " " "	
9	7	35	4	23	8	48				1	1/2			" " " " var	
10	7	35	4	23	8	47				1	1/2		7	" Hazy Calin	
11	7	36	4	23	8	46				1	1/2			" " " " "	
12	7	36	4	23	8	45				1	1/2			" " fresh wind N.W.	
13	7	36	4	23	8	45				1	1/2			" " light breeze S.E.	
14	7	37	4	23	8	44				1	1/2			Rain fog Calin	
15	7	38	4	23	8	44				1	1/2			Dry light breeze var	
16	7	38	4	23	8	44				1	1/2			" Calin	
17	7	38	4	23	8	43				1	1/2			" light breeze var	
18	7	39	4	23	8	43				1	1/2			Rain fog Calin	
19	7	39	4	23	8	43				1	1/2			" " " " "	
20	7	40	4	23	8	42				1	1/2			" " " " "	
21	7	40	4	23	8	42				1	1/2			" fresh wind N.	
22	7	40	4	23	8	42				1	1/2			Dry Calin	
23	7	40	4	24	8	43				1	1/2		7	" light breeze var	
24	7	40	4	24	8	42				1	1/2			" " " " "	
25	7	40	4	24	8	42				1	1/2			" " " " "	
26	7	40	4	25	8	43				1	1/2			" Calin	
27	7	40	4	25	8	43				1	1/2			" fresh wind S.E.	
28	7	40	4	26	8	45				1	1/2			Smoky light breeze - -	
29	7	40	4	26	8	45				1	1/2			" " " " "	
30	7	40	4	26	8	46				1	1/2			" " " " "	
31															
							5	0	1	1			14	1300	

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <i>Main</i> Light-House.....	5	1	1/4
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	1	3	0
Total quantity expended in this month.....	7	0	1/4

Order of Lens *Fifth* Kind of Light *S.W.*  
 (Number of Wicks in burner *five* Diameter of outer burner *1 1/8 inches*)  
 Written by me— *Jas Logan* *Keeper*  
*Jas Logan*, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.



ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Ontonagon Main* Light House, in the month of *July*, 18*89*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	7	40	4	27	8	46			1	1/2				Smoky dry light breeze variable	
2	7	40	4	27	8	46			1	1/2				Rain fresh " "	
3	7	40	4	28	8	47			1	1/2				Dry - wind N	
4	7	40	4	29	8	48			1	1/2				- - - -	
5	7	39	4	29	8	50			1	1/2				- - - - S E	
6	7	39	4	30	8	50			1	1/2		7		- light breeze S	
7	7	39	4	30	8	51			1	1/2				Rain fresh wind N.E	
8	7	39	4	31	8	52			1	1/2				- fog - - - -	
9	7	38	4	32	8	53			1	1/2				- - - - variable	
10	7	37	4	33	8	54			1	1/2				Damp fresh wind N E	
11	7	37	4	33	8	56			1	1/2				- light breeze variable	
12	7	37	4	34	8	56			1	1/2				dry - - - -	
13	7	36	4	35	8	58			1	1/2				- - - -	
14	7	35	4	36	8	59			1	1/2				- Calm	
15	7	35	4	37	9	1			1	1/2				- - - -	
16	7	34	4	37	9	3			1	1/2				- - - -	
17	7	33	4	38	9	5			1	1/2				- light breeze variable	
18	7	33	4	39	9	5			1	1/2				damp fresh - N.E	
19	7	32	4	40	9	7			1	1/2				- - - -	
20	7	31	4	41	9	9			1	1/2				dry light - S E	
21	7	31	4	41	9	11			1	1/2		7		- Calm	
22	7	30	4	42	9	12			1	1/2				- light - N	
23	7	29	4	43	9	14			1	1/2				- - - -	
24	7	28	4	44	9	16			1	1/2				- - - - variable	
25	7	27	4	45	9	18			1	1/2				Rain - - - -	
26	7	26	4	46	9	20			1	1/2				- fresh wind N W	
27	7	25	4	47	9	22			1	1/2				Rain squall - - S W & W	
28	7	24	4	48	9	24			1	1/2				dry fresh breeze N	
29	7	23	4	49	9	26			1	1/2				Rain - - - -	
30	7	22	4	50	9	28			1	1/2				dry light - N	
31	7	21	4	51	9	30			1	1/2				" " " " S.E	
							5	1	1	0		14	2.1.0.0		

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <i>Main</i> Light House.....	5	1	1
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	1	0
Total quantity expended in this month.....	7	2	1

Order of Lens *5* Kind of Light *F. N*  
 Number of Wicks in burner *One* Diameter of outer burner *1 1/2 inches*  
 Written by me— *Jas Morgan*  
*Keeper*

*Jas Morgan*, Light-Keeper.  
*Jas Morgan*, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Outragon Main* Light House, in the month of *August*, 18*57*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.				
1	7	20	4	52	9	32				1	1 3/4			Dry light breeze S W
2	7	19	4	53	9	35				1	1 3/4			" " " Bar
3	7	18	4	54	9	37				1	1 3/4			" " " "
4	7	17	4	55	9	39				1	1 3/4	7		Rain fresh - S
5	7	16	4	56	9	41				1	1 3/4			Dry light - var
6	7	14	4	57	9	43				1	1 3/4			" " " It
7	7	13	4	58	9	46				1	2			" " " var
8	7	12	4	59	9	48				1	2			" " " "
9	7	11	5	0	9	50				1	2			" " " "
10	7	10	5	2	9	53				1	2			" " " "
11	7	8	5	3	9	55				1	2			" " " E
12	7	6	5	4	9	57				1	2			Rain " " "
13	7	4	5	5	10	0				1	2			" fresh wind "
14	7	3	5	6	10	2				1	2			Damp " breeze S E & S
15	7	2	5	7	10	5				1	2			Dry light - It
16	7	0	5	8	10	7				1	2 1/2			" " - S E
17	6	59	5	9	10	10				1	2 1/2			" " - var
18	6	57	5	10	10	13				1	2 1/2	7		Rain " - S W
19	6	56	5	11	10	16				1	2 1/2			damp fresh - S E
20	6	55	5	12	10	19				1	2 1/2			Rain light - var
21	6	53	5	13	10	21				1	2 1/2			Dry fresh - It
22	6	51	5	14	10	23				1	2 1/2			" light - var
23	6	49	5	15	10	24				1	2 1/2			" fresh wind S E
24	6	48	5	17	10	25				1	2 1/2			" light breeze S E
25	6	46	5	18	10	31				1	2 1/2			Rain - - var
26	6	45	5	19	10	34				1	2 1/2			- fresh - S
27	6	43	5	20	10	36				1	2 1/2			Dry - wind -
28	6	41	5	21	10	39				1	2 1/2			- calm -
29	6	40	5	22	10	42				1	2 1/2			- fresh breeze It
30	6	38	5	23	10	44				1	2 1/2			" light - -
31	6	36	5	24	10	47	6	0	1	0	2 1/2	7	3.2.1.0	- - -

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light-.....	6	0	1
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	2	1
Total quantity expended in this month.....		3	0

Order of Lens *right* Kind of Light *791*  
 Number of Wicks in burner *one* Diameter of outer burner *1 1/2 inches*  
 Written by me—  
*W. Morgan*  
*Light-keeper*

*W. Morgan*, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Antonagon Main* Light House, in the month of *September*, 18*77*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	6	35	5	25	10	49				1	2 1/2			dry fresh breeze S	
2	6	33	5	26	10	52				1	2 1/2			" " " W	
3	6	31	5	27	10	55				1	1	2 1/4		" " " S.E	
4	6	30	5	28	10	59				1	2 3/4			Rain " wind var	
5	6	29	5	29	11	1				1	2 3/4			- - - W	
6	6	26	5	30	11	4				1	2 3/4			- - - var	
7	6	25	5	31	11	7				1	2 3/4			- light breeze -	
8	6	23	5	32	11	10				1	2 3/4			Smoky dry light - -	
9	6	21	5	33	11	12				1	2 3/4			Clear - - - -	
10	6	19	5	34	11	25				1	2 3/4			Smoky - - - -	
11	6	18	5	35	11	18				1	2 3/4			- - - -	
12	6	18	5	36	11	21				1	3		7	- fresh wind S.E	
13	6	14	5	37	11	23				1	3			Foggy Calm	
14	6	12	5	40	11	26				1	3			Rain fresh wind var	
15	6	10	5	41	11	29				1	3			Damp fresh - S.W x W	
16	6	19	5	42	11	32				1	3			" " " S	
17	6	17	5	43	11	34				1	3			Rain of ice S.W	
18	6	15	5	44	11	35				1	3			Damp fresh wind "	
19	6	14	5	45	11	41				1	3			" dry " "	
20	6	12	5	46	11	44				1	3 1/4			" " " S.W x W	
21	6	10	5	47	11	46				1	3 1/4			" " " S.W	
22	5	58	5	48	11	44				1	3 1/4			Rain light wind S	
23	5	57	5	49	11	52				1	3 1/4			dry " " variable	
24	5	55	5	50	11	55				1	3 1/4			" " " "	
25	5	53	5	51	11	57				1	3 1/4		1	Rain of ice S.W	
26	5	51	5	52	12	0				1	3 1/4		7	damp fresh wind W	
27	5	50	5	53	12	3				1	3 1/4			" " " "	
28	5	49	5	54	12	6				1	3 1/4			dry Calm	
29	5	46	5	55	12	8				1				damp light breeze S.W	
30	5	44	5	56	12	12				1				2.3-1.0 Rain fresh wind S.W x S.W	
31															
							6	20	2		1	14			

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light-.....	6	0	1/2
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	3	1
Total quantity expended in this month.....	9	1	1 1/2

Order of Lens *5* Kind of Light *2 1/2*  
 Number of Wicks in burner *One* Diameter of outer burner *1 1/2 inches*  
 Written by me— *W. Morgan* *Keeper*  
*W. Morgan*, Light-Keeper.  
 Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at Centonagon Main Light House, in the month of October, 18  , and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	5	12	5	57	13	15						1			damp gale N.W.
2	5	41	5	58	13	18									" Squally - variable
3	5	37	5	59	13	20									Rain - hail fresh wind N
4	5	37	6	0	12	20									" " " " S
5	5	35	6	1	12	26									damp gale N.E.
6	5	33	6	3	12	28									" light breeze variable
7	5	32	6	4	12	31						7			" " " "
8	5	30	6	5	12	34									" Calm
9	5	29	6	6	12	38									" " " " Squally
10	5	27	6	7	12	40									" " " "
11	5	25	6	8	12	43									" light breeze variable
12	5	24	6	9	12	45									" " " "
13	5	22	6	10	12	48									" " " " S.W.
14	5	20	6	12	12	57									" " " " N.E.
15	5	19	6	13	12	54						1			Squally - variable
16	5	17	6	14	12	57									" " " " N
17	5	16	6	16	13	0									" damp fresh breeze N.E. & N.W.
18	5	14	6	17	13	2									damp light breeze variable
19	5	13	6	19	13	5									" fresh wind N.E.
20	5	11	6	20	13	7									Snow - " " N.W.
21	5	9	6	21	13	11						7			damp light breeze variable
22	5	8	6	22	13	13									" " " "
23	5	7	6	23	13	16									" fresh - " N
24	5	6	6	25	13	18									Rain heavy calm
25	5	4	6	26	13	21									" gale N.E.
26	5	2	6	27	13	24									damp calm
27	5	1	6	28	13	26									dry light breeze N.E.
28	5	0	6	29	13	29									" " " "
29	4	58	6	31	13	31									" " " "
30	4	57	6	31	13	34									" " " " variable
31	4	55	6	32	13	37									damp fresh - N.E.
							8	0	0	3	2	21	3.1.0.0		

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light-House <u>Main House</u> .....	8	0	3/8
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	3	1	0
Total quantity expended in this month.....	11	1	3/8

{ Order of Lens 5 Kind of Light 2 N  
 { Number of Wicks in burner one Diameter of outer burner 1 1/2 inch  
 Written by me— J. Morgan  
Keeper

J. Morgan, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Ontonagon Main* Light House, in the month of *November*, 18*77*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	4	54	6	33	13	39					1	3/4		Light rain fresh breeze N.E	
2	4	53	6	34	13	41					1	3/4		" " " " " " + SW	
3	4	57	6	36	13	45					1	3/4	7	" " " " " " " " " "	
4	4	50	6	37	13	47					1	3/4		Snow + rain fresh breeze N.E	
5	4	49	6	38	13	49					1	3/4		" " " " " " " " " "	
6	4	48	6	39	13	57					1	3/4		damp fresh wind " "	
7	4	47	6	40	13	54					1	3/4		" " " " " " " " " "	
8	4	46	6	42	13	57					1	3/4		" " " " " " " " " "	
9	4	45	6	43	13	59					1	3/4		Dry light breeze variable	
10	4	44	6	44	13	1					1	3/4		" " " " " " " " " "	
11	4	43	6	45	14	4					1	3/4		damp " " " " " " " " " "	
12	4	42	6	47	14	6					1	3/4		" " " " " " " " " "	
13	4	41	6	48	14	8					1	3/4	1	Snow fresh wind " " " "	
14	4	40	6	49	14	10					1	1		damp light breeze S.W.	
15	4	39	6	50	14	12					1	1		" " " " " " " " " "	
16	4	38	6	52	14	14					1	1		" " " " " " " " " "	
17	4	37	6	53	14	16					1	1		" " " " " " " " " "	
18	4	36	6	55	14	18					1	1		" " " " " " " " " "	
19	4	50	6	56	14	21					1	1		" " " " " " " " " "	
20	4	34	6	57	14	23					1	1		Dry light breeze variable	
21	4	34	6	58	14	28					1	1		Rain " " " " " " " " " "	
22	4	33	7	0	14	28					1	1	7	Snow fresh wind " " " "	
23	4	32	7	1	14	28					1	1		" " " " " " " " " "	
24	4	31	7	3	14	30					1	1		damp " " " " " " " " " "	
25	4	31	7	3	14	32					1	1		" " " " " " " " " "	
26	4	31	7	4	14	33					1	1		" " " " " " " " " "	
27	4	31	7	5	14	36					1	1 1/4		Snow fresh " " " " " " " " " "	
28	4	30	7	6	14	37					1	1 1/4	1	" " " " " " " " " "	
29	4	30	7	7	14	38					1	1 1/4		damp Calm	
30	4	29	7	8	14	39					1	1 1/4		" " " " " " " " " "	
31															
							9	0	1	3/4	2	14	3,2,1,0		

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light-House.....	9	0	1 7/16
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	3	2	1
Total quantity expended in this month.....	12	3	0 7/16

{ Order of Lens *5* Kind of Light *2 1/4*  
 { Number of Wicks in burner *one* Diameter of outer burner *1 1/4* inches

Written by me— *Jas Logan* , Light-Keeper.  
*Jas Logan* , Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Antonagon Main* Light House in the month of *Decr*, 18*77*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	4	29	7	9	14	41	1							<i>Dry Calm</i>	
2	4	29	7	10	14	42	1							<i>damp light breeze variable</i>	
3	4	29	7	11	14	42	1							<i>" " " S.W.</i>	
4	4	29	7	12	14	45	1							<i>Snow - - - -</i>	
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
							1	0	1	1				3.3.1.0	

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <i>Main House</i> .....	1	0	1 1/4
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	3	3	1
Total quantity expended in this month.....	5	0	0 1/4

Order of Lens *Fifth* Kind of Light *2nd*  
 Number of Wicks in burner *One* Diameter of outer burner *1 1/2 inches*  
 Written by me— *Jas. Colgan*  
*Jas. Colgan*, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Antonagon Main* Light House, in the month of *April*, 187*0*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.			Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.				
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17	7	16	5	16	10	33				1	2 1/2	14	Damp light wind N E & S E
18	7	17	5	15	10	31				1	2 1/2		Snow " " "
19	7	18	5	13	10	28				1	2 1/2		Damp " " S "
20	7	19	5	11	10	26				1	2 1/2		Dry Calm
21	7	20	5	9	10	23				1	2 1/2		Damp light breeze variable
22	7	21	5	8	10	21				1	2 1/2		Rain - - -
23	7	22	5	7	10	18				1	2 1/2		Damp - - - N E
24	7	23	5	5	10	16				1	2 1/4		" " " " Variable
25	7	23	5	4	10	13				1	2 1/4		" " " " "
26	7	24	5	3	10	11				1	2 1/4		- " " " -
27	7	25	5	1	10	8				1	2 1/4		- Calm
28	7	26	5	0	10	4				1	2 1/4		Rain fresh wind N E
29	7	27	4	59	10	1				1	2 1/4		" " " " Variable
30	7	28	4	57	9	59				1	2 1/4		Damp - - - N E
31													
							3	0	0	0 1/4	14	1.3.1.0	

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light House.....	3	0	0 1/16
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	1	3	0
Total quantity expended in this month.....	4	3	1/16

Order of Lens *5* Kind of Light *5 1/2*  
 Number of Wicks in burner *One* Diameter of outer burner *1 1/2* inches  
 Written by me— *John Morgan*  
*John Morgan*, Light-Keeper.  
*John Morgan*, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at Canton Main Light House in the month of May, 18  , and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	6	59	4	55	9	56			1	2 1/4				7	Fresh wind variable
2	7	0	4	57	9	53			1	2 1/4					Rain - - -
3	7	1	4	53	9	51			1	2					- + Snow fresh wind N.E
4	7	2	4	51	9	49			1	2 1/4					- wind light + variable
5	7	3	4	50	9	47			1	2 1/4					Snow fresh wind N.E to N
6	7	4	4	49	9	44			1	2 1/4					Damp light breeze variable
7	7	5	4	48	9	42			1	2 1/4					- - - N.E
8	7	6	4	46	9	40			1	2 1/4					- Calm
9	7	7	4	45	9	38			1	2 1/4					- fresh breeze N.E
10	7	9	4	44	9	35			1	2 1/4					- - - - -
11	7	10	4	43	9	33			1	2 1/4					- - - - -
12	7	11	4	42	9	31			1	3					- - - - -
13	7	12	4	41	9	29			1	13/4					Dry - - - W
14	7	13	4	40	9	27			1	13/4				7	Damp - - - N.E
15	7	14	4	39	9	25			1	1 1/2					- - - - -
16	7	15	4	38	9	23			1	1 1/2	1				Snow - wind S x E + N.E
17	7	16	4	37	9	21			1	1 3/4					Damp - breeze N.E
18	7	17	4	36	9	19			1	1 3/4					Rain light - - -
19	7	18	4	35	9	17			1	1 3/4					Snow fresh wind N.E
20	7	19	4	34	9	15			1	1 3/4					Rain light - - -
21	7	20	4	33	9	13			1	1 3/4					Fog - - - variable
22	7	21	4	32	9	11			1	1 3/4					- - - - -
23	7	22	4	31	9	9			1	1 3/4					Rain - - - - -
24	7	23	4	31	9	8			1	1 3/4					Damp fresh - - - W
25	7	23	4	30	9	6			1	1 3/4					- - - - -
26	7	24	4	30	9	4			1	1 3/4					- light - variable
27	7	25	4	29	9	3			1	1 1/2					Dry - - - N.E
28	7	26	4	28	9	1			1	1 1/2				7	Rain fresh - S x E
29	7	27	4	27	9	0			1	1 1/2					- light - variable
30	7	28	4	27	8	59			1	1 1/2					- breeze fog calm
31	7	29	4	26	8	57	5	2	1	1 1/2	1	31	20	00	Dense fog light breeze variable

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <u>Main Light House</u> .....	5	2	1 1/8
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	0	0
Total quantity expended in this month.....	7	2	1 1/8

Order of Lens 5 Kind of Light 2. W  
 Number of Wicks in burner 4 Diameter of outer burner 1 1/2 inches  
 Written by me—  
J. Morgan  
Keeper

Jas Morgan, Light-Keeper.  
 Ass't Keeper.



ACCOUNT of Oil, Wicks, and Chimneys expended daily *Cutwagon Main* Light House, in the month of *June*, 1890, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.				
1	7	29	4	26	8	55				1	1/2			Fog fresh breeze N.E.
2	7	30	4	25	8	55				1	1/2			Rain + fog fresh wind S + N.E.
3	7	31	4	25	8	52				1	1/2			- - - - - variable
4	7	32	4	24	8	52				1	1/2			- - - - - N.E.
5	7	32	4	24	8	52				1	1/2			- - - - -
6	7	33	4	24	8	57				1	1/2			- fresh wind S
7	7	33	4	24	8	50				1	1/2			dry light breeze variable
8	7	34	4	23	8	49				1	1/2			- dry fresh wind S
9	7	35	4	23	8	48				1	1/2			Rain + fog calm
10	7	35	4	23	8	47				1	1/2			- - - light breeze variable
11	7	36	4	23	8	46				1	1/2			- - - - -
12	7	36	4	23	8	45				1	1/2		7	dense fog calm
13	7	36	4	23	8	45				1	1/2			damp light breeze variable
14	7	37	4	23	8	44				1	1/2			dry fresh wind S S
15	7	38	4	23	8	44				1	1/2			- - - - - S
16	7	38	4	23	8	44				1	1/2			- - - - - S W
17	7	38	4	23	8	43				1	1/2			- fresh breeze variable
18	7	39	4	23	8	43				1	1/2			- - - - -
19	7	39	4	23	8	43				1	1/2			- - - - - N.E.
20	7	40	4	23	8	43				1	1/2			- light - S
21	7	40	4	23	8	43				1	1/2			- Calm
22	7	40	4	23	8	43				1	1/2			- light breeze variable
23	7	40	4	23	8	43				1	1/2			- - - - -
24	7	40	4	24	8	43				1	1/2			- - - - -
25	7	40	4	24	8	43				1	1/2			Rain fresh wind -
26	7	40	4	20	8	43				1	1/2		7	dry light breeze -
27	7	40	4	20	8	43				1	1/2			- - - - -
28	7	40	4	26	8	45				1	1/2			Rain - - - - -
29	7	40	4	26	8	45				1	1/2			- - - - - N.E. & S.W.
30	7	40	4	26	8	46				1	1/2			- - - - -
31														
							5	0	1	1		14	1.3.1.0	

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light House <i>Main House</i> .....	5	0	1/4
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	1	3	1
Total quantity expended in this month.....	70	0	0 1/4

Order of Lens *5thly* Kind of Light *S*  
 Number of Wicks in burner *one* Diameter of outer burner *1/8 inches*  
 Written by me— *Jas Logan* *Keeper*  
*Jas Logan*, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Catnagon Main Light House*, in the month of *July*, 187*9*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.				
1	7	40	4	27	8	46			1	1/2				Rain light wind variable
2	7	40	4	27	8	46			1	1/2				" fog - - -
3	7	40	4	28	8	47			1	1/2		7		damp fresh breeze W
4	7	40	4	28	8	48			1	1/2	1			dry - - -
5	7	39	4	29	8	50			1	1/2				Rain light - variable
6	7	39	4	30	8	51			1	1/2				damp - - -
7	7	39	4	30	8	52			1	1/2				Rain fresh - - -
8	7	38	4	31	8	53			1	1/2				damp - - - W
9	7	38	4	32	8	54			1	1/2				dry light - variable
10	7	37	4	33	8	56			1	1/2				- fresh - SW
11	7	37	4	33	8	56			1	1/2				- - - N.E.
12	7	37	4	34	8	58			1	1/2				- light - variable
13	7	36	4	35	8	59			1	1/2				- - - -
14	7	35	4	36	8	59			1	1/2				- - - -
15	7	35	4	37	9	1			1	1/2				- - - - W
16	7	34	4	37	9	3			1	1/2				Rain - wind variable
17	7	33	4	38	9	5			1	1/2		7		dry - breeze -
18	7	33	4	39	9	5			1	1/2				- - - -
19	7	32	4	40	9	7			1	1/2				- - - -
20	7	31	4	41	9	9			1	1/2				- - - -
21	7	31	4	41	9	11			1	1/2				- Calm
22	7	30	4	42	9	12			1	1/2				Light rain fresh wind variable
23	7	29	4	43	9	14			1	1/2				- breeze W
24	7	28	4	44	9	16			1	1/2				Rain fresh wind W
25	7	27	4	45	9	18			1	1/2				damp Calm
26	7	26	4	46	9	20			1	1/2				dry light wind variable
27	7	25	4	47	9	22			1	1/2				- Calm
28	7	24	4	48	9	24			1	1/2				- 1/2 gale S
29	7	23	4	48	9	26			1	1/2				- light breeze variable
30	7	22	4	50	9	28			1	1/2				Rain - wind -
31	7	21	4	57	9	30	5	1	1	0	1	31	2.1.00	dry light breeze W

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <i>Main Light House</i> .....	5	1	1
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	1	0
Total quantity expended in this month.....	7	2	1

Order of Lens *S* Kind of Light *S.W.*  
 (Number of Wicks in burner *one* Diameter of outer burner *1/2* inches)

Written by me—

*John Morgan*  
*John Morgan*

*John Morgan*, Light-Keeper.  
 Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily *at Ontonagon Main Light House* in the month of *August*, 1870, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	7	20	4	52	9	32			1	1/4				Dry Calm	
2	7	19	4	53	9	35			1	1/4				Rain fresh breeze W	
3	7	18	4	54	9	37			1	1/4				Dry Calm	
4	7	17	4	56	9	39			1	1/4				- steady breeze W	
5	7	16	4	57	9	41			1	1/4				- - - -	
6	7	14	4	58	9	43			1	1/4				- light - S.W	
7	7	13	4	59	9	46			1	2				- fresh - - -	
8	7	12	4	59	9	48			1	2				- - - W	
9	7	11	5	0	9	50			1	2				damp - - - S.W	
10	7	10	5	2	9	53			1	2				- light - - -	
11	7	8	5	3	9	55			1	2				Dry - - - variable	
12	7	6	5	4	9	57			1	2				Rain - - - S.W	
13	7	4	5	5	10	0			1	2				- fresh - W	
14	7	3	5	6	10	2			1	2		7		damp light breeze -	
15	7	2	5	7	10	5			1	2				Rain fresh - S.W	
16	7	0	5	8	10	7			1	2				Dry light - variable	
17	6	59	5	9	10	10			1	2/4				- steady - S.W	
18	6	57	5	10	10	13			1	2/4				Rain light - variable	
19	6	56	5	11	10	16			1	2/4				damp - wind S.W	
20	6	55	5	12	10	18			1	2/4				Dry - - - variable	
21	6	53	5	13	10	21			1	2/4				- - - -	
22	6	57	5	14	10	23			1	2/4				damp - - - S	
23	6	49	5	15	10	26			1	2/4				- - - -	
24	6	48	5	17	10	28			1	2/4				Rain - breeze variable	
25	6	46	5	18	10	31			1	2/4				- fresh wind W	
26	6	45	5	19	10	34			1	2/4				- light - variable	
27	6	43	5	20	10	36			1	2/4		7		- - - -	
28	6	41	5	21	10	39			1	2/4				- fresh breeze -	
29	6	40	5	22	10	42			1	2/4				- - - -	
30	6	38	5	23	10	44			1	2/4				damp light - - -	
31	6	36	5	24	10	47			1	2/4				- - - S.E	
							6	0	1	0		14	22	11	

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light <i>Main House</i> .....	6	0	1
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	2	1/4
Total quantity expended in this month.....	8	3	1/4

Order of Lens *Siph* Kind of Light *S.W*  
 Number of Wicks in burner *One* Diameter of outer burner *1/4* inches  
 Written by me—  
*John Logan*  
 Keeper

*John Logan*, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at Autorgan Main Light House, in the month of September, 18    , and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	6	35	5	25	10	49		1	2 1/2					Rain fresh wind N.E.	
2	6	33	5	26	10	53		1	2 1/2					- light - - -	
3	6	31	5	27	10	56		1	2 3/4					- fog calm	
4	6	30	5	28	10	59		1	2 3/4					dry light breeze variable	
5	6	28	5	29	11	1		1	2 3/4					Rain - - -	
6	6	26	5	30	11	4		1	2 3/4					- calm	
7	6	25	5	31	11	7		1	2 3/4					Damp fresh wind N	
8	6	23	5	32	11	10		1	2 3/4					dry light breeze variable	
9	6	21	5	33	11	17		1	2 3/4					- fresh - S	
10	6	19	5	34	11	15		1	2 3/4					- light - variable	
11	6	18	5	35	11	18		1	2 3/4					- - - -	
12	6	16	5	36	11	21		1	3	1	7			Rain gale N	
13	6	14	5	37	11	23		1	3					Damp - - -	
14	6	12	5	39	11	26		1	3					- fresh breeze N.W	
15	6	10	5	40	11	29		1	3					- - - N.E	
16	6	9	5	41	11	32		1	3					- light - N	
17	6	7	5	42	11	34		1	3					Rain - - variable	
18	6	5	5	43	11	38		1	3	1				- fresh wind N	
19	6	4	5	44	11	41		1	3					- light breeze S	
20	6	2	5	45	11	44		1	3 1/4					Damp fresh wind N	
21	6	0	5	46	11	46		1	3 1/4					dry light breeze -	
22	5	58	5	47	11	49		1	3 1/4					- - - -	
23	5	57	5	48	11	52		1	3 1/4					- fresh - - -	
24	5	55	5	49	11	55		1	3 1/4					- light - variable	
25	5	53	5	50	11	57		1	3 1/4					- - - -	
26	5	51	5	51	12	0		1	3 1/4					Damp fresh wind N.E	
27	5	50	5	52	12	3		1	3 1/4					dry light breeze - -	
28	5	48	5	54	12	6		1	3 1/4		7			Damp - - - N	
29	5	46	5	55	12	8		1	3 1/4					- - - -	
30	5	44	5	56	12	12		1	3 1/4					- - - -	
31								6	2	0	1 1/2	2	14	23	10

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <u>Main Light House</u> .....	6	2	0 3/8
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	3	1
Total quantity expended in this month.....		1	1 3/8

Order of Lens 5<sup>th</sup> Kind of Light N  
 Number of Wicks in burner one Diameter of outer burner 1/8 inches

Written by me—

James Logan  
 Keeper

James Logan, Light-Keeper.  
 Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Autonagon Main* Light *House* in the month of *October*, 189*0*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	5	42	5	57	12	15			1	3/4					<i>Dry Calm</i>
2	5	41	5	58	12	18			1	3/4					<i>- - -</i>
3	5	39	5	59	12	20			1	3/4					<i>- - -</i>
4	5	37	6	0	12	23			1	3/4					<i>Rain of very light breeze variable</i>
5	5	35	6	1	12	26			1	3/4					<i>Dry light breeze variable</i>
6	5	33	6	3	12	29			1	3/4					<i>- - -</i>
7	5	32	6	4	12	31			1	3/4					<i>Damp - - -</i>
8	5	30	6	5	12	34			1	3/4					<i>Rain fresh - S</i>
9	5	29	6	6	12	38			1	3/4					<i>- light - variable</i>
10	5	27	6	7	12	40			1	3/4	1				<i>Damp fresh - W</i>
11	5	25	6	8	12	43			1	3/4					<i>- light - variable</i>
12	5	24	6	9	12	45			1	3/4		7			<i>Rain - - E</i>
13	5	22	6	10	12	48			1	3/4					<i>- fresh - - - W</i>
14	5	20	6	12	12	51			1	3/4					<i>- - - - - NW</i>
15	5	19	6	13	12	54			1	3/4					<i>Dry light - variable</i>
16	5	17	6	14	12	57			1	3/4					<i>Damp fresh - - -</i>
17	5	16	6	15	13	0			1	3/4					<i>- - - - -</i>
18	5	14	6	16	13	2			1	0	0				<i>- - - - - NE</i>
19	5	13	6	17	13	5			1						<i>- - - - -</i>
20	5	11	6	19	13	7			1						<i>- light - - - - - x N</i>
21	5	9	6	20	13	11			1						<i>- - - - - variable</i>
22	5	8	6	21	13	13			1						<i>Dry - - - - -</i>
23	5	7	6	22	13	16			1						<i>- - - - - W</i>
24	5	6	6	23	13	18			1						<i>- - - - - variable</i>
25	5	4	6	25	13	21			1						<i>- - - - -</i>
26	5	2	6	26	13	24			1	1/4					<i>Damp very fresh wind N x E</i>
27	5	1	6	27	13	26			1	1/4		7			<i>Snow - - - - - W x N</i>
28	5	0	6	28	13	29			1	1/4					<i>- - - - -</i>
29	4	58	6	30	13	31			1	1/4					<i>- 1/2 gale N</i>
30	4	57	6	31	13	34			1	1/4					<i>- - - - -</i>
31	4	55	6	32	13	37			1	1/4					<i>Rain + snow fresh wind N-E</i>
							7	2	0	3/4	1	14	3.0.1.0		

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <i>Main House</i> Light <i>House</i> .....	7	2	15/16
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	3	2	1
Total quantity expended in this month.....	11	0	1 7/16

Order of Lens *5* Kind of Light *2W*  
 Number of Wicks in burner *One* Diameter of outer burner *One 1/2 inch*  
 Written by me—  
*Jack Logan*  
*Keeper*

*Jack Logan*, Light-Keeper.  
 Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Cutwagon Main* Light House, in the month of *November*, 1890, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	4	54	6	33	13	24								Rain + snow fresh wind N.W.	
2	4	53	6	34	13	41								Snow " " N.W.	
3	4	57	6	36	13	45								" " " W	
4	4	50	6	37	13	47								Damp light wind variable	
5	4	49	6	38	13	49								Snow fresh - E	
6	4	48	6	39	13	57								- - - N.E.	
7	4	47	6	41	13	54								- very - - N.E. & N.W.	
8	4	46	6	42	13	57								- Steady breeze variable	
9	4	45	6	43	13	59								- fresh wind N	
10	4	44	6	44	14	1								- - breeze S.W.	
11	4	43	6	45	14	4								Damp light - - -	
12	4	42	6	42	14	6								- - - - -	
13	4	41	6	41	14	8								- - - - -	
14	4	40	6	40	14	10								- - - - - W	
15	4	39	6	39	14	12								- - - - - S	
16	4	38	6	38	14	14								- - - - - W	
17	4	37	6	37	14	16								- very fresh - N & N	
18	4	36	6	36	14	18								- fresh wind N	
19	4	35	6	35	14	21								- light breeze W	
20	4	34	6	34	14	23								- - - - - Variable	
21	4	34	6	34	14	24								- - - - - S.W.	
22	4	33	7	33	14	26								- - - - - W	
23	4	32	7	32	14	28								- calm	
24	4	31	7	31	14	30								- light breeze N.W.	
25	4	31	7	31	14	32								Snow fresh wind N.E.	
26	4	31	7	31	14	33								Damp light breeze vari	
27	4	31	7	31	14	35								- calm	
28	4	30	7	30	14	36								- fresh breeze W	
29	4	30	7	30	14	37								- - - - - wind N	
30	4	29	7	29	14	39								32.10 Snow - - -	
31															

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light <i>Main House</i> .....	7	3	1/4
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	3	2	1
Total quantity expended in this month.....	11	2	1/4

Order of Lens *Fifth* Kind of Light *P.W.*  
 (Number of Wicks in burner *One* Diameter of outer burner *1/2 inches*)  
 Written by me— *W. Corigan* *Light-Keeper.*  
*W. Corigan* *Ass't Keeper.*

ACCOUNT of Oil, Wicks, and Chimneys expended daily *Catawagon Main Light House* in the month of *Decr*, 189*0* and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.				
1	4	29	7	9	14	41		1		0 3/4				<i>Snow fresh wind N to NW</i>
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <i>Main House</i> .....		1	3/6
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	3	2	1 1/4
Total quantity expended in this month.....	4	0	1 7/6

{ Order of Lens *fifth* Kind of Light *S W*  
 { Number of Wicks in burner *one* Diameter of outer burner *1 1/2 inches*  
 Written by me—  
*Jas Logan*  
 Keeper

*Jas Logan*, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Antigon Main Light House*, in the month of *April*, 18*88*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.			Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.					Gills.
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18	4	44	5	15	10	31		1	2 1/2		1 1/4		Damp dense fog calm	
19	6	45	5	13	10	28		1	2 1/2				" Calm	
20	6	47	5	11	10	26		1	2 1/2				" fresh wind S.W	
21	6	48	5	9	10	23		1	2 1/2				Fog calm	
22	6	49	5	8	10	21		1	2 1/2				Damp light breeze N.W	
23	6	50	5	7	10	18		1	2 1/2				" " " variable	
24	6	51	5	5	10	16		1	2 1/2				" " " N.E	
25	6	52	5	4	10	13		1	2 1/2				" " " "	
26	6	53	5	2	10	11		1	2 1/2				Dry fresh wind S.W	
27	6	54	5	1	10	8		1	2 1/2				Rain - - - N.E	
28	6	55	5	0	10	4		1	2 1/2				Dry light - variable	
29	6	56	4	59	10	1		1	2 1/2				Rain very fresh wind W	
30	6	57	4	57	9	59		1	2 1/2				Dry - - - S.W	
31								3	0	0	0 1/4		14	1.3.1.1

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light-House.....	3	0	1/6
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	1	3	1 1/4
Total quantity expended in this month.....	4	3	1 5/6

Order of Lens *2 1/2th* Kind of Light *S.W.*  
 Number of Wicks in burner *One* Diameter of outer burner *1 1/8 inches*

Written by me—  
*Jas Logan*  
*Keeper*

*Jas Logan*, Light-Keeper.  
 Ass't Keeper.



ACCOUNT of Oil, Wicks, and Chimneys expended daily *Autonagon Main* Light House, in the month of *May*, 1891,  
and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	6	59	4	55	9	46			1	2 1/2		7		Damp light breeze variable	
2	7	0	4	54	9	43			1	2 1/2				" fresh wind N.W	
3	7	1	4	53	9	57			1	2 1/2				- very - - W	
4	7	2	4	51	9	49			1	2				- - - N.W x N	
5	7	3	4	50	9	47			1	2				- - - Breeze - - -	
6	7	4	4	49	9	44			1	2				- Calm	
7	7	5	4	48	9	42			1	2				- - -	
8	7	6	4	46	9	40			1	2				Dry fresh breeze S.W	
9	7	7	4	45	9	38			1	2				Rain & fog light breeze variable	
10	7	8	4	44	9	35			1	2				Damp light - N	
11	7	10	4	43	9	33			1	2				Dry - - - variable	
12	7	11	4	42	9	31			1	2				Damp - - - S.W x S	
13	7	12	4	41	9	29			1	2 3/4				- - - N.E	
14	7	13	4	40	9	27			1	1 3/4		7		Smoky - - - variable	
15	7	14	4	39	9	25			1	1 3/4				- Damp calm	
16	7	15	4	38	9	23			1	1 3/4				- light breeze E x S.E	
17	7	16	4	37	9	21			1	1 3/4				- fresh - N	
18	7	17	4	36	9	19			1	1 3/4				- light - var	
19	7	18	4	35	9	17			1	1 3/4				- - - -	
20	7	19	4	34	9	15			1	1 3/4				- - - -	
21	7	20	4	33	9	13			1	1 3/4				Dry Calm	
22	7	21	4	32	9	11			1	1 3/4				- - - -	
23	7	22	4	31	9	9			1	1 3/4				- - - -	
24	7	23	4	31	9	8			1	1 3/4				Rain very fresh wind E	
25	7	23	4	30	9	6			1	1 3/4				Smoky dry light - var	
26	7	24	4	30	9	4			1	1 3/4				- - - - W	
27	7	25	4	29	9	3			1	1 1/2				- - - -	
28	7	26	4	28	9	1			1	1 1/2		7		- - - Calm	
29	7	27	4	27	9	0			1	1 1/2				- - - fresh breeze N.E	
30	7	28	4	27	8	59			1	1 1/2				- - - -	
31	7	29	4	26	8	57			1	1 1/2				Rain light - var	
							5	2	1	0 1/2			21	2-1.0.0	

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the Light House	5	2	1 1/2
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.	2	1	0
Total quantity expended in this month.	7	3	1 1/2

Order of Lens *5-4* Kind of Light *W*  
 Number of Wicks in burner *One* Diameter of outer burner *1 1/4 inches*  
 Written by me—  
*J. Morgan*  
*Light-keeper*

*J. Morgan*, Light-keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at Ontonagon Main Light House, in the month of June, 1891, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	7	29	4	26	8	53			1	1/2				Rain fresh wick S.E	
2	7	30	4	25	8	50			1	1/2				- - - - -	
3	7	31	4	25	8	54			1	1/2				- half gale - - -	
4	7	32	4	24	8	52			1	1/2				Damp fresh breeze - - -	
5	7	32	4	24	8	52			1	1/2				- - - - -	
6	7	33	4	24	8	51			1	1/2				- - - - -	
7	7	34	4	24	8	50			1	1/2				- light - - - - -	
8	7	34	4	23	8	49			1	1/2				Smoky dry very light breeze variable	
9	7	35	4	23	8	48			1	1/2				- - - - - S.E	
10	7	35	4	23	8	47			1	1/2				- rain fresh wick S & W	
11	7	36	4	23	8	46			1	1/2				Clear dry - breeze S.E	
12	7	36	4	23	8	45			1	1/2				Smoky - light - variable	
13	7	36	4	23	8	44			1	1/2				- - fresh - S	
14	7	37	4	23	8	44			1	1/2				dry light - variable	
15	7	38	4	23	8	43			1	1/2				dry rain calm	
16	7	38	4	23	8	43			1	1/2				Damp fresh wick S.E	
17	7	38	4	23	8	43			1	1/2				dry light - - -	
18	7	39	4	23	8	43			1	1/2				Smoky dry fresh breeze - -	
19	7	39	4	23	8	43			1	1/2				- - light - variable	
20	7	40	4	23	8	43			1	1/2				- - - - -	
21	7	40	4	23	8	43			1	1/2				Rain light breeze S.E	
22	7	40	4	23	8	43			1	1/2				Smoky dry fresh - W	
23	7	40	4	24	8	43			1	1/2				- - - - - S.W	
24	7	40	4	24	8	43			1	1/2				Rain light - variable	
25	7	40	4	24	8	43			1	1/2				dry fresh - S.E	
26	7	40	4	25	8	43			1	1/2				- light - variable	
27	7	40	4	25	8	43			1	1/2				- fresh - S	
28	7	40	4	26	8	45			1	1/2				Rain light - variable	
29	7	40	4	26	8	45			1	1/2				- - - - -	
30	7	40	4	26	8	46			1	1/2				dry - - - - -	
31															
							50	11				14	13.10		

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <u>Main House</u> .....	5	0	1/4
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	1	3	1
Total quantity expended in this month.....	70	0	0 1/4

Order of Lens Light Kind of Light S.W  
 Number of Wicks in burner one Diameter of outer burner 1/2 inch  
 Written by me— James Cosgan Light-Keeper.  
James Cosgan Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at Autonagon Main Light House, in the month of July, 1871, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.				
1	7	40	40	27	8	46				1	1/2			dry light breeze variable
2	7	40	4	27	8	46				1	1/2			- - - -
3	7	40	4	28	8	47				1	1/2			- - - - S.W. S.W.
4	7	40	4	28	8	48				1	1/2			- - - - N.E.
5	7	39	4	29	8	50				1	1/2			Rain - - - variable
6	7	39	4	30	8	50				1	1/2			damp fresh - N
7	7	39	4	30	8	57				1	1/2	7		dry light - S.W.
8	7	38	4	31	8	52				1	1/2			- - - - variable
9	7	38	4	32	8	53				1	1/2			- Calm
10	7	37	4	33	8	54				1	1/2			Rain wind light S.W.
11	7	37	4	33	8	53				1	1/2			Dry - - - variable
12	7	37	4	34	8	58				1	1/2			Rain fresh wind N.E.
13	7	36	4	35	8	58				1	1/2			dry light wind variable
14	7	35	4	36	8	59				1	1/2			Rain Calm
15	7	35	4	37	9	1				1	1/2			dry light wind variable
16	7	34	4	37	9	3				1	1/2			- - - -
17	7	34	4	38	9	5				1	1/2			- Calm
18	7	33	4	39	9	5				1	1/2			Rain steady breeze S
19	7	32	4	40	9	9				1	1/2			dry - - - S.E.
20	7	32	4	41	9	11				1	1/2			Smoky dry - - -
21	7	31	4	41	9	12				1	1/2	7		- - - - dry fresh wind S
22	7	30	4	42	9	14				1	1/2			Rain light breeze variable
23	7	29	4	43	9	16				1	1/2			- fresh - S.E.
24	7	28	4	44	9	18				1	1/2			dry steady breeze S.W.
25	7	27	4	45	9	20				1	1/2			- - - - N
26	7	26	4	46	9	22				1	1/2			- - - -
27	7	25	4	47	9	24				1	1/2			- - - -
28	7	24	4	48	9	26				1	1/2			- Calm
29	7	23	4	49	9	28				1	1/2			- light breeze S.E.
30	7	22	4	50	9	30				1	1/2			- - - -
31	7	21	4	57	9	31				1	1/2			- - - -

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <u>Main</u> Light House.....	5	1	1
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	1	1 1/2
Total quantity expended in this month.....	7	3	2 1/2

Order of Lens 2 ft Kind of Light S.W.  
 Number of Wicks in burner one Diameter of outer burner 1/8 inch  
 Written by me—

W. L. Morgan  
Light-keeper

W. L. Morgan, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Canton* Main Light *House* in the month of *August*, 18*91*, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	7	20	4	50	9	32				1	13/4				dry steady breeze S.E.
2	7	19	4	53	9	35				1	13/4				- - - -
3	7	18	4	52	9	37				1	13/4				- light - variable
4	7	17	4	55	9	39				1	13/4				- fresh - S.E.
5	7	16	4	56	9	41				1	13/4		7		Rain Calm
6	7	14	4	57	9	43				1	13/4				dry fresh breeze S.E.
7	7	13	4	58	9	46				1	13/4				Rain - - - variable
8	7	12	4	59	9	48				1	0				- Hurricane N.W.
9	7	11	5	0	9	50				1	2				dry steady breeze W
10	7	10	5	2	9	53				1	2				- - - -
11	7	8	5	3	9	55				1	2				- - - -
12	7	6	5	4	9	57				1	2				- - - -
13	7	4	5	5	10	0				1	2				- light - variable
14	7	3	5	6	10	2				1	2				- - - -
15	7	2	5	7	10	5				1	2				- Calm
16	7	0	5	8	10	7				1	2				- - - -
17	6	59	5	9	10	10				1	2				- light breeze S.E.
18	6	57	5	10	10	13				1	2 3/4				- - - -
19	6	56	5	11	10	16				1	2 1/2	1	7		Rain fresh - W
20	6	55	5	12	10	18				1	2 1/2				- - - - variable
21	6	53	5	13	10	21				1	2 1/2				- - - - W
22	6	51	5	14	10	23				1	2 1/2				damp - - - -
23	6	49	5	15	10	26				1	2 1/2				- - - -
24	6	48	5	17	10	28				1	2 1/2				dry light - S.E.
25	6	46	5	18	10	31				1	2 1/2				Rain - - - - variable
26	6	45	5	19	10	34				1	2 1/2				damp fresh - W
27	6	43	5	20	10	36				1	2 1/2				dry light - variable
28	6	41	5	21	10	39				1	2 1/2	1			Rain - - - -
29	6	40	5	22	10	42				1	2 1/2				- - - -
30	6	38	5	23	10	44				1	2 1/2				damp fresh - S.E.
31	6	36	5	24	10	47				1	2 1/2				dry light - var
							5	3	1	0 3/4	2	14	2.3.1%		

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <i>Main House</i> .....	5	3	1 3/4
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	3	1 1/4
Total quantity expended in this month.....	8	3	0 1/4

Order of Lens *5* Kind of Light *W*  
 Number of Wicks in burner *one* Diameter of outer burner *1 1/8 in*  
 Written by me— *Asst. Keeper*

*Asst. Keeper*, Light-Keeper.  
*Asst. Keeper*, Ass't Keeper.

ACCOUNT of Oil, Wicks, and Chimneys expended daily at *Ontonagon Main Light House*, in the month of *September*, 1891, and showing the time of lighting and extinguishing, and the length of time lighted each night.

DAY.	Time of lighting.		Time of extinguishing the light.		Length of time lighted.		Daily quantity of oil consumed in Light-house or Light-vessel lamps.				Number of chimneys broken each night.	Inches of new wick expended.	Quantity of oil taken from butts and set aside for hand and house lamps.	REMARKS ON THE WEATHER. (Dry, damp, rainy, snowy, light wind, moderate breeze, fresh breeze, or gale, &c.)	
	Hour.	Min.	Hour.	Min.	Hour.	Min.	Galls.	Qts.	Pints.	Gills.					
1	6	35	5	25	10	49			1	2 1/2				dry fresh wind S W x E	
2	6	33	5	26	10	53			1	2 1/2				Rain - - - W	
3	6	31	5	27	10	56			1	2 1/2		7		damp light breeze variable	
4	6	30	5	28	10	59			1	2 1/2				- fresh - - -	
5	6	28	5	29	11	1			1	2 3/4				Rain light - - -	
6	6	26	5	30	11	4			1	2 3/4				damp - - -	
7	6	25	5	31	11	7			1	2 3/4				- - - - -	
8	6	23	5	32	11	10			1	2 3/4				- - - - -	
9	6	21	5	33	11	12			1	2 3/4				- Calm	
10	6	19	5	34	11	15			1	2 3/4				- - - - -	
11	6	18	5	35	11	18			1	2 3/4				dry fresh wind S W	
12	6	16	5	36	11	21			1	2 3/4				- - - - - W	
13	6	14	5	37	11	23			1	3				damp - breeze S.W	
14	6	12	5	39	11	26			1	3				Rain very fresh wind S.W	
15	6	10	5	40	11	29			1	3				damp light breeze variable	
16	6	9	5	41	11	32			1	3				- - - - - S.W	
17	6	7	5	42	11	34			1	3		7		dry very fresh wind W	
18	6	5	5	43	11	38			1	3				- light breeze variable	
19	6	4	5	44	11	41			1	3				- fresh - - - W	
20	6	2	5	45	11	44			1	3				- - - - -	
21	6	0	5	46	11	46			1	3				- light - variable	
22	5	58	5	47	11	49			1	3 1/2				- Calm	
23	5	57	5	48	11	52			1	3 1/2				- - - - -	
24	5	55	5	49	11	55			1	3 1/2				- Smoky fresh breeze S.W	
25	5	53	5	50	11	57			1	3 1/2				- - - - - W	
26	5	51	5	51	12	0			1	3 1/2				- very - light - variable	
27	5	50	5	52	12	3			1	3 1/2				damp - fresh - - - W	
28	5	48	5	54	12	6			1	3 1/2				half gale. rain W	
29	5	46	5	55	12	8			1	3 1/2				damp fresh wind S.W	
30	5	44	5	56	12	12			1	3 1/2		7		dry 1/2 gale S x W	
31													2-1	3.3.1.0	

	GALLONS.	QUARTS.	PINTS.
Total quantity consumed in the lamp of the <i>Main House</i> .....	6	2	0 1/6
Total quantity consumed this month for use in the dwelling-house or quarters, and other hand lamps, from oil butts.....	2	3	1
Total quantity expended in this month.....	8	1	1 1/6

Order of Lens *5th* Kind of Light *S. W.*  
 Number of Wicks in burner *One* Diameter of outer burner *1 1/8 inches*  
 Written by me—  
*W. L. Morgan*  
*Keeper*

*W. L. Morgan*, Light-Keeper.  
 \_\_\_\_\_, Ass't Keeper.

GENERAL ACCOUNT of Stores received at the Light-

at

Number of lights and order of apparatus,

Description of light,

YEAR AND DAY OF THE MONTH.		OIL.		WICKS.			CHIMNEYS.			CLEANING MATERIALS, &c.																										
Octob'r	Day.	order light, galls.	order lens, yards.	Reflector, doz.	Rod lamp, doz.	Solar lamp.	Hand lamp & Lucernus, oz.	order lens, no.	Rully, order.	Reflector, no.	Solar lamp, no.	Rod lamp, no.	Emery paper, sheets.	Sand paper, sheets.	Writing paper, quires	Blotting paper, sheets.	Rouge powder, oz.	Rotten stone, lbs.	Whiting, lbs.	Calf-skin, pieces.	Linen towels, no.	Buff-skina, no.	Spirits wine, qts.	Clock oil, vials.	Soap, lbs.	Sponges, no.	Crash towels, no.	Spare filter cloth, no.	Spare rods, no.	Spare cord, revolving machine, no.	Spare lamp cords, no.	Lamp burners, no.	Hand lamps, no.			
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Rain fresh breeze S  
 - - - - - wind W  
 Damp - - - - - breeze -  
 - - - - - wind NE  
 Rain light breeze variable  
 Damp - - - - - - -  
 Rain - - - - - - -  
 Damp fresh - - - - - W  
 - light - - - - - variable  
 - - - - - - - W  
 - - - - - - - NE  
 - - - - - - - S  
 - fresh - - - - - -  
 Rain - - - - - S & W  
 - snow fresh wind NE  
 - fresh wind SW  
 - - - - - variable  
 Damp - breeze NE & E  
 - light - - - - - variable  
 Fresh wind NE  
 Rain - - - - - -  
 Damp light breeze variable  
 Dry Calm  
 Damp light breeze variable  
 - - - - - -  
 - 1/2 gale NE  
 - Calm  
 - light breeze variable  
 - - - - - - N & W  
 Snow 1/2 gale N.W  
 Damp light breeze N & N.W

GENERAL ACCOUNT of Stores consumed at the Light-

at

Number of lights and order of apparatus,

Description of light,

YEAR AND DAY OF THE MONTH.		OIL.	WICKS.	CHIMNEYS.	CLEANING MATERIALS, &c.																																
1891.	Day.	order light, galls.	order lens, yards.	Reflector, doz.	Rod lamp, doz.	Solar lamp.	Hand lamp & Lucernae, oz.	order lens, no.	Ruby.	order.	Reflector, no.	Solar lamp, no.	Rod lamp, no.	Emery paper, sheets.	Sand paper, sheets.	Writing paper, quires	Blotting paper, sheets.	Rouge powder, oz.	Rotten stone, lbs.	Whiting, lbs.	Calf-skin, pieces.	Linen towels, no.	Buff-kins, no.	Spirits wine, qts.	Clock oil, vials.	Soap, lbs.	Sponges, no.	Crash towels, no.	Spare filter cloth, no.	Spare rods, no.	Spare cord, revolving machine, no.	Spare lamp cords, no.	Lamp burners, no.	Hand lamps, no.			
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Damp light breeze variable  
 - - - S W  
 Dry - - -  
 Rain fresh wind N.W. to N.E.  
 Damp light breeze variable  
 - - -  
 - - - Calm  
 - - -  
 Damp fresh breeze N.E.  
 Rain - - -  
 Snow light - variable  
 - - - Calm  
 - - - light breeze E  
 dense snow - - -  
 Fresh wind N.W. W  
 Snow fall N.W.  
 Damp light breeze S  
 - - -  
 - - -  
 Rain - - - variable  
 Sleet - - - N.E.  
 Damp fresh - - - N.W.  
 Snow - - - wind N.E.  
 - - - light breeze variable  
 - - - fall N.W. W  
 - - - fresh wind variable  
 - - - light breeze -  
 - - - Calm  
 Damp - - -

GENERAL ACCOUNT of Stores received at the Light-

at

Number of lights and order of apparatus,

Description of light,

YEAR AND DAY OF THE MONTH		CLEANING MATERIALS.						BRUSHES.																											
Year	Day	Filtering sand, galls.	Sets valves, sets.	Valve leathers, sets.	Flexible for cleaning lamps, no.	Paints large, no.	Paints small, no.	Coal tar, no.	Chimney, no.	Chickmakers', no.	Camel's hair, no.	Feather, no.	Silverplaters', no.	Wolf's head, no.	Flat for putting glassed rings and whirling on apparatus, no.	Whitewash, no.	Soap, no.	Ham, no.	Clamp or scrub, no.	Sweeping, no.	Chimney flannels, no.	Paint, white, ground in oil, lbs.	Paint, black, ground in oil, lbs.	Dry red lead, lbs.	Dry white lead, lbs.	Yellow paint, lbs.	Lamp-black, lbs.	Boiled oil, galls.	Spirit turpentine, galls.	Coal tar, galls.	Litharge, lbs.	Drying, bottles.			
1892	April																																		
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damp light white A & E

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GENERAL ACCOUNT of Stores consumed at the Light- at

Number of lights and order of apparatus,

Description of light,

YEAR AND DAY OF THE MONTH.		CLEANING MATERIALS.	BRUSHES.
18	Day.	Filtering sand, galls.	
		Sets valves, sets.	
		Valve leathers, sets.	
		Flexible, for cleaning lamps, no.	
		Paint, large, no.	
		Paint, small, no.	
		Coal tar, no.	
		Chimney, no.	
		Clockmakers', no.	
		Camel's hair, no.	
		Feather, no.	
		Silverplaters', no.	
		Wolf's head, no.	
		Flat, for putting dissolved rouge and whiting on apparatus, no.	
		Whiewash, no.	
		Sash, no.	
		Hand, no.	
		Clamp or scrub, no.	
		Sweeping, no.	
		Chimney flannels, no.	
		Paint, white, ground in oil, lbs.	
		Paint, black, ground in oil, lbs.	
		Dry red lead, lbs.	
		Dry white lead, lbs.	
		Yellow paint, lbs.	
		Lamp-black, lbs.	
		Boiled oil, galls.	
		Spirits turpentine, galls.	
		Coal tar, galls.	
		Litharge, lbs.	
		Drying, bottles.	





