

XXI.—TABLE OF TEMPERATURES OF THE LITTLE HARBOR, WOOD'S HOLE, MASS., FROM JANUARY, 1873, TO DECEMBER, 1873, (INCLUSIVE.)

FURNISHED BY THE LIGHT-HOUSE BOARD FROM OBSERVATIONS OF CAPT. B. J. EDWARDS.

The observations were all taken at 9 a. m. at the south end of the Government light-house wharf, the water being there about ten feet deep. The harbor is of moderate extent and shallow, the greatest depth at low water being about ten feet. The rise and fall of tide is but slight, seldom exceeding two feet.

JANUARY, 1873.				FEBRUARY, 1873.			
Date.	Surface.	Bottom.	Remarks.	Date.	Surface.	Bottom.	Remarks.
Jan. 1	30	30	Wind N. N. W., light; floating ice.	Feb. 1	31	31	Wind W. N. W., light; thin ice in harbor.
2	30	30	Wind N. W., light; floating ice.				
3	31	31	Wind S. W., light; floating ice.	2	30	30	Wind N. W., light; thin ice in harbor.
4	31	32	Wind W., light; floating ice.				
5	31	31	Wind S. S. E., light; floating ice.	3	30	30	Wind W. by S., fresh; harbor covered with ice.
6	33	34	Wind W. S. W., strong; floating ice.	4	30	30	Wind N. W., light; thick fog; ice in harbor.
7	31	32	Wind N. N. W., light; floating ice.				
8	31	32	Wind N. E., light; floating ice.	5	31	31	Wind W. N. W., light; floating ice in harbor.
9	33	34	Wind W., moderate; no ice.				
10	30	31	Wind W., fresh; floating ice.	6	31	31	Wind S. W., light; floating ice in harbor.
11	30	30	Wind W. N. W., fresh; ice making.				
12	30	30	Wind N. W., strong; floating ice.	7	31	32	Wind E. S. E., light; floating ice in harbor.
13	31	31	Wind S. E., light; floating ice.				
14	31	32	Wind S. W., fresh; floating ice.	8	33	33	Wind W. by S., light; no ice in harbor.
15	31	32	Wind E., fresh; floating ice.				
16	33	33	Wind S., fresh; no ice in harbor.	9	32	32	Wind N. W., light; no ice in harbor.
17	38	37	Wind S., strong; no ice; raining.				
18	35	35	Wind N. E., fresh; no ice; raining.	10	30	30	Wind N. W. by N., fresh; ice making in harbor.
19	35	35	Wind W. by S., fresh; no ice; clouds.	11	30	30	Wind S., light; harbor full of thin ice.
20	31	32	Calm; thin ice on the water.	12	31	32	Wind N., light; thin ice in harbor.
21	32	34	Calm; thin ice in the harbor.				
22	35	35	Wind W. by S., fresh; no ice in harbor.	13	30	30	Wind N. E., strong; snowing.
23	33	33	Wind N. W., light; no ice.	14	30	30	Wind N. E., light; snowing; some ice.
24	32	33	Wind N. E., strong; snowing.				
25	30	30	Wind N. N. W., fresh; ice making in harbor.	15	20	30	Calm; thin ice in the harbor.
26	30	31	Calm; thin ice on water.	16	30	31	Wind S. E., light; thin ice in the harbor.
27	30	31	Wind N. E.; snowing; thin ice on water.				
				17	33	32	Wind N. E.; snowing; been abating; thawing.
28	30	31	Wind W. N. W., moderate; floating ice.	18	31	31	Wind N., light; some thin ice in harbor.
29	29	29	Wind N. W., fresh; ice making.	19	33	32	Wind S. S. E., fresh; no ice in harbor.
30	30	30	Calm; harbor covered with ice.				
31	30	31	Wind W. N. W., fresh; harbor covered with ice.	20	32	32	Wind W. N. W., fresh; no ice in harbor.
				21	32	32	Wind E. S. E., light; no ice in harbor.
				22	30	30	Wind W. N. W., strong; some thin ice in harbor.
				23	30	30	Wind W. N. W., strong; ice making in harbor.
				24	29	29	Do.
				25	29	29	Wind W. N. W., moderate; clear; ice making.
				26	30	30	Wind W. N. W., light; floating ice in harbor.
				27	31	31	Calm; some thin ice in harbor.
				28	31	31	Wind N. N. W., light.

MARCH, 1873.				APRIL, 1873.			
Date.	Surface.	Bottom.	Remarks.	Date.	Surface.	Bottom.	Remarks.
Mar. 1	31	32	Wind S. W., light; no ice in harbor.	Apr. 1	39	39	Wind W.; clear.
2	31	32	Wind W., light; no ice in harbor.	2	41	42	Wind S. E. by S., strong gale.
3	32	32	Wind N. E.; snowing; some drift-ice.	3	41	41	Wind W. by S., light; fog.
4	30	30	Wind N. N. W.; bottom-frost in the harbor.	4	42	42	Wind W. N. W., light; clear.
5	30	30	Wind N. N. W., light; surface-frost in harbor.	5	39	39	Wind N. N. W.; clouds.
6	31	32	Calm, and thin ice in harbor.	6	40	40	Wind E., light; clouds.
7	31	31	Wind S. W., fresh; harbor full of ice.	7	42	42	Wind S. E., light; fog.
8	31	32	Do.	8	42	42	Wind S. W., light; fog.
9	31	32	Wind W. by S., fresh; harbor full of ice.	9	42	42	Wind E., light; clouds.
10	31	32	Wind S. W., fresh; some ice in harbor.	10	44	44	Wind N. W., light.
11	31	32	Wind S. E., brisk.	11	42	42	Clear and calm.
12	32	32	Wind S. W., strong; no ice.	12	43	43	Wind E., strong gale; rain.
13	32	33	Wind N. W., fresh.	13	42	42	Wind N. E., fresh; rain.
14	34	35	Wind W.; clear.	14	42	42	Wind W. N. W., brisk; clouds.
15	36	36	Wind S. W.; clouds.	15	42	42	Wind N. by E., light.
16	35	35	Wind W.; clouds.	16	43	43	Wind N. E., brisk.
17	34	34	Wind N. W., fresh.	17	44	44	Wind E. S. E., light.
18	34	34	Wind W.; clear.	18	44	44	Wind S. S. W., light; fog.
19	37	38	Wind W., moderate.	19	43	43	Wind N. W., light; clouds.
20	36	37	Wind S. E.; clouds.	20	45	45	Wind W. N. W., light; clear.
21	37	38	Wind W. S. W., strong.	21	44	44	Wind W., light; clouds.
22	36	36	Wind W., fresh.	22	42	42	Wind W., light; clear.
23	37	38	Do.	23	43	43	Wind N., light; clear.
24	36	36	Wind N. W., light.	24	45	45	Wind N. N. W., light; clear.
25	36	36	Wind E., moderate.	25	44	44	Wind W. N. W., moderate.
26	35	35	Wind E., brisk.	26	44	44	Wind W. N. W., brisk.
27	34	34	Wind W. N. W., brisk; clear.	27	44	44	Wind W. by N., brisk.
28	36	36	Calm; clear.	28	45	45	Wind W. N. W., light.
29	39	40	Wind S. by E., brisk; clouds.	29	47	47	Do.
30	39	40	Wind W. S. W., fresh gale.	30	48	47	Calm, with rain.
31	38	38	Wind E. S. E., moderate.				

MAY, 1873.				JUNE, 1873.			
Date.	Surface.	Bottom.	Remarks.	Date.	Surface.	Bottom.	Remarks.
May 1	49	43	Clear; wind W. S. W., light.	June 1	58	57	Clear; wind W. S. W., brisk.
2	50	49	Rain; wind S. S. W., light.	2	59	58	Clear; wind N. E., light.
3	46	46	Clouds; wind N. E., brisk.	3	58	58	Clouds; wind E. N. E., brisk.
4	46	46	Clear; wind N. N. E., brisk.	4	56	56	Clouds; wind S. S. W., light.
5	49	48	Clear; wind S. W., fresh.	5	57	57	Clouds; wind E. N. E., light.
6	49	48	Clear; wind N. E., light.	6	61	60	Fog; wind S. W., light.
7	50	49	Clear; calm.	7	59	59	Clouds; calm.
8	51	51	Clear; wind E. S. E., light.	8	57	58	Clouds; wind N. E., brisk.
9	50	50	Rain; wind E. S. E., brisk.	9	57	57	Clear; wind N. N. E., brisk.
10	50	49	Clouds; wind S. S. W., light.	10	50	58	Clear; wind W. S. W., light.
11	48	49	Fog; wind E. S. E., moderate.	11	60	60	Clouds; wind S. W., brisk.
12	48	48	Clouds; wind W. S. W., light.	12	60	60	Clear; wind N., light.
13	50	50	Clear; wind S. W., brisk.	13	61	61	Clear; wind E. S. E., light.
14	50	50	Clear; wind W. N. W., light.	14	61	61	Clouds; wind E., light.
15	51	50	Clear; wind W. N. W., brisk.	15	59	59	Clouds; wind N. W., light.
16	53	52	Clear; calm.	16	64	62	Clear; wind S. W., light.
17	53	52	Clouds; wind N. W., light.	17	65	64	Do.
18	53	52	Clear; wind W. S. W., light.	18	64	63	Clear; wind N. N. W., light.
19	52	52	Clear; wind W., light.	19	65	64	Fog; wind S. W., light.
20	53	52	Do.	20	67	66	Clear; wind S. W., light.
21	54	54	Clouds; wind S. E., light.	21	65	64	Clear; wind E. S. E., light.
22	56	55	Clouds; wind S. by E., light.	22	65	64	Clear; wind S. W., light.
23	60	56	Clear and calm.	23	65	64	Clear; wind S. E., light.
24	58	56	Fog; wind S. W., light.	24	65	64	Clouds; wind E. S. E., light.
25	59	56	Clear and calm.	25	65	65	Clear; wind S. E., light.
26	59	57	Do.	26	65	64	Clear; wind S. W., light.
27	58	57	Fog; wind S. W., light.	27	66	65	Clear; wind W. S. W., brisk.
28	58	58	Fog; wind S. W., brisk.	28	67	67	Clouds; wind S. W., brisk.
29	59	58	Clear; wind W., light.	29	68	67	Clear; wind S. W., brisk.
30	62	60	Clear; wind N., light.	30	69	69	Fog; wind S. S. W., brisk.
31	56	56	Clear; wind N. E., brisk.				

JULY, 1873.			
Date.	Surface.	Bottom.	Remarks.
July 1	70	69	Wind S. S. W., light.
2	69	68	Do.
3	71	70	Do.
4	71	70	Wind S. S. W., brisk.
5	71	70	Wind S. W., brisk.
6	71	69	Wind S. W., light.
7	67	67	Clear; wind E. N. E., light.
8	68	67	Clear; wind S. S. E., light.
9	68	68	Clouds; wind N. N. E., light.
10	67	68	Clear; wind S. S. E., light.
11	70	69	Clouds; wind N. W., light.
12	68	68	Clear; wind N. N. W., light.
13	69	68	Clear; wind S. W., light.
14	71	70	Do.
15	73	72	Clear; wind W. S. W., light.
16	70	69	Clear; wind N., light.
17	69	68	Clouds; wind E., light.
18	67	66	Clouds; wind S. E., light.
19	66	65	Do.
20	69	68	Clear; wind W. N. W., light.
21	69	68	Clouds; wind N. W., light.
22	70	69	Clear; wind W., light.
23	71	71	Do.
24	72	71	Clear; wind W. S. W., brisk.
25	70	70	Clear; wind E. S. E., light.
26	72	71	Clear; wind S. W., brisk.
27	72	72	Clouds; wind S. W., brisk.
28	74	73	Fog; wind S. W., light.
29	74	74	Do.
30	75	74	Do.
31	73	72	Clear; wind N. E., light.

AUGUST, 1873.			
Date.	Surface.	Bottom.	Remarks.
Aug. 1	73	72	Fog; wind S. E., light.
2	75	74	Fog; calm.
3	75	74	Fog; wind S. E., light.
4	75	74	Clear; wind W. N. W., light.
5	73	72	Clear; wind E. N. E., light.
6	72	71	Clear; wind S. W., light.
7	73	72	Clear; wind S. W., brisk.
8	73	73	Clear; wind W. S. W., brisk.
9	73	72	Clear; wind N., light.
10	73	72	Clear; wind N. E., light.
11	72	71	Clear; wind E., light.
12	71	70	Clear; wind E., light.
13	70	69	Clouds; wind E., brisk.
14	69	68	Rain; wind E., brisk.
15	69	68	Clouds; wind N., light.
16	71	70	Fog; wind S. W., light.
17	71	70	Clear; wind N., light.
18	71	70	Clouds; E. S. E., light.
19	70	70	½ ebb; wind S. W., brisk.
20	72	72	½ ebb; wind N. E., and rain.
21	70	70	1st qr. ebb; wind E. S. E., light.
22	70	71	1st qr. ebb; wind E. S. E., brisk.
23	72	71	High water; wind S. W., log.
24	68	69	High water; wind N. W., brisk.
25	65	65	Do.
26	68	68	High water; wind N. N. E., light.
27	68	68	4th-qr. flood; wind N. N. E., light.
28	68	68	Do.
29	70	69	4th-qr. flood; wind S. W., light.
30	70	70	½ flood; rain; wind S. W., light.
31	71	70	½ flood; wind S. W., light.

SEPTEMBER, 1873.			
Date.	Surface.	Bottom.	Remarks.
Sept. 1	70	70	Fog; calm; low water.
2	70	70	Clear; wind W. N. W., brisk.
3	68	68	Clear; wind W. N. W., light.
4	70	69	Rain; wind S. S. W., brisk; half tide.
5	70	70	Fog; wind S. W., light.
6	69	69	Clear; wind N. W., light.
7	68	68	Clear; wind E., light; high water.
8	68	68	Clouds; wind E. S. E., light.
9	67	67	Clear; E. N. E., light.
10	66	66	Clouds; wind E. N. E., light.
11	65	65	Clouds; wind E. N. E., light; half tide.
12	66	66	Clear; calm.
13	67	68	Fog; wind S. W., light.
14	64	64	Rain; wind N. N. W., brisk; low water.
15	62	62	Clear; wind N., brisk.
16	63	62	Clouds; wind S. W., brisk.
17	63	62	Clear; wind N. N. E., light.
18	63	63	Clear; wind S. S. E., light; half tide.
19	65	65	Clouds; wind S. S. E., brisk.
20	64	64	Rain; wind N. N. W., brisk.
21	62	62	Clear; wind W. N. W., light; high water.
22	60	60	Clear; wind S. E., light.
23	62	62	Clouds; wind S. E., light.
24	64	64	Clouds; wind N. N. W., light.
25	63	63	Clear; wind N. E., light; half tide.
26	64	64	Clear; wind S. W., light.
27	64	64	Do.
28	65	65	Fog; wind S. W., brisk; low water.
29	66	66	Fog; wind S. W., brisk.
30	65	65	Rain; wind N. by E., brisk.

OCTOBER, 1873.			
Date.	Surface.	Bottom.	Remarks.
Oct. 1	62	62	Clear; wind N. E., light; half tide.
2	63	63	Clear; wind S. W., light.
3	62	62	Clear; calm.
4	62	62	Clouds; wind S. S. E., brisk.
5	64	64	Clouds; wind S. W., brisk.
6	64	64	Clear; wind S., brisk; high water.
7	64	64	Clouds; wind N. W., brisk.
8	62	62	Clouds; wind N. E., strong gale.
9	58	58	Do.
10	57	57	Clouds; wind N. E., brisk; half tide.
11	57	57	Clear; wind N. E., brisk.
12	57	57	Clear; wind N. E., light.
13	57	57	Clear; wind W. S. W., brisk.
14	57	57	Clear; wind W. S. W., brisk; low water.
15	57	57	Clear; wind N. N. E., light.
16	56	56	Clear; wind S. S. W., light.
17	57	57	Clear; wind N. N. E., brisk; half tide.
18	57	57	Clouds; wind N. E., light.
19	58	58	Clouds; wind E. S. E., light.
20	59	59	Rain; wind S. E., brisk.
21	61	61	Clouds; wind S. S. W.; high water.
22	59	59	Clouds; wind S. E., light.
23	58	58	Clear; wind S. by E., light.
24	58	58	Clouds; wind S. W., light.
25	58	58	Clear; wind N. N. E., light; half tide.
26	57	57	Clear; wind N. E., light.
27	57	57	Rain; wind S. S. W., brisk.
28	56	55	Clouds; wind N. E., light; low water.
29	54	54	Clear; wind W. by S., brisk.
30	51	51	Clear; wind N. E., light.
31	52	51	Rain; wind E. N. E., light.

TABLE OF TEMPERATURES OF LITTLE HARBOR.

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NOVEMBER, 1873.				DECEMBER, 1873.			
Date.	Surface.	Bottom.	Remarks.	Date.	Surface.	Bottom.	Remarks.
Nov. 1	52	52	Clear; wind W. N. W., brisk; half tide.	Dec. 1	34	34	Clear; wind N. N. W., brisk.
2	52	52	Clouds; wind W. N. W., brisk.	2	33	33	Clouds; wind S. E., brisk.
3	52	51	Clear; wind S. W., brisk.	3	34	34	Fog; calm; high tide.
4	52	51	Clear; wind W. N. W., brisk.	4	40	40	Fog; wind S. S. W., brisk.
5	52	50	Clear; wind N. W., light; high tide.	5	41	41	Clear; wind W. N. W., light.
6	51	50	Clear; wind N. E., light.	6	36	37	Clear; wind N. N. W., light.
7	51	51	Clouds; wind E. N. E., light.	7	36	36	Clear; wind N. N. W., light; half tide.
8	51	50	Rain; wind W. S. W., light.	8	35	35	Clear; wind N. N. E., light.
9	50	50	Clouds; wind W. N. W., brisk; half tide.	9	36	36	Rain; wind S. W., light.
10	48	48	Clouds; wind W. N. W., brisk.	10	37	37	Clear; wind W. N. W., brisk; low tide.
11	45	45	Clear; wind N. W., brisk.	11	36	37	Clouds; calm.
12	47	47	Clouds; wind S. S. W., brisk.	12	38	38	Rain; calm.
13	46	46	Clear; wind W. N. W., brisk; low tide.	13	38	38	Rain; wind E. N. E., light.
14	42	42	Clouds; wind W. N. W., brisk.	14	38	38	Clear; wind N. W., light; half tide.
15	41	40	Clear; wind W. N. W., brisk.	15	36	36	Clouds; wind W., brisk.
16	41	41	Clouds; wind E. S. E., brisk; half tide.	16	38	38	Clouds; wind S. W., light.
17	43	43	Clouds; wind E., light.	17	37	38	Fog; calm.
18	44	44	Rain; wind N. E., strong gale.	18	39	39	Fog; calm; high tide.
19	41	41	Clear; wind N. N. W., brisk.	19	38	38	Clouds; winds E. S. E., light.
20	41	41	Clouds; wind N. N. W., light.	20	39	39	Clouds; wind W. N. W., brisk.
21	40	40	Clear; wind N. W., light; high tide.	21	37	37	Clear; wind N. W., light.
22	40	40	Clear; calm.	22	36	36	Clear; wind N. W., light; half tide.
23	40	40	Do.	23	35	35	Clouds; wind N. E., light.
24	40	40	Rain; wind S. E., brisk.	24	35	35	Clouds; wind N. N. E., light.
25	42	42	Clouds; calm; half tide.	25	35	35	Clouds; wind N. W., light; low tide.
26	37	36	Clear; wind W. N. W., brisk.	26	37	37	Clouds; wind E., brisk.
27	34	34	Clouds; wind N. E., light.	27	35	35	Clouds; wind N. E., light.
28	35	35	Clear; wind N. W., brisk; low tide.	28	32	33	Snow; wind W. N. W., brisk.
29	35	35	Clear; wind W. N. W., brisk.	29	32	33	Clear; wind W. S. W., brisk; half tide.
30	35	35	Do.	30	33	34	Clear; wind W. N. W., brisk.
				31	31	31	Do.

MEAN TEMPERATURES.

<i>For the months.</i>			<i>For the quarters.</i>		
	Surface.	Bottom.		Surface.	Bottom.
January.....	31.5	32.0	January, February, and		
February.....	30.7	30.7	March.....	32.0	32.4
March.....	34.0	34.4	April, May, and June...	52.7	52.2
April.....	43.0	43.0	July, August, and Sep-		
May.....	53.0	52.1	tember.....	68.9	63.4
June.....	62.2	61.7	October, November, and		
July.....	70.2	69.5	December.....	46.1	46.0
August.....	71.0	70.4	<i>For the half years.</i>		
September.....	65.4	65.3	January to June.....	42.4	42.3
October.....	58.4	58.3	July to December.....	57.5	57.4
November.....	44.0	43.7	<i>For twelve months.</i>		
December.....	36.0	36.2	For the year.....	49.9	49.7

