

CONTRACTION AND EXPANSION OF ICE.
Table of Observations (on 100 feet of ice), Jan. and Feb., 1860.

No.	Date.	Hour.	Temperature.	Thickness of Ice.	Graduated Rod.	Remarks.
1	Jan. 29	1	p.m.	32 1/2	3	Wind, N. W.
2	29	6	"	34	3	W.
3	29	10	"	34	3	W.
4	30	9	a.m.	27	3 1/2	N. W.
5	30	12	"	26	3 1/2	W., clear.
6	30	2	p.m.	28	3 1/2	W.
7	30	3	"	31	3 1/2	W.
8	30	6	"	33	3 1/2	W., strong wind.
9	30	6	"	34	3 1/2	N.
10	31	12	"	22	3 1/2	N.
11	31	12.30	"	19	3 1/2	N., blowing a gale.
12	31	2	"	17	3 1/2	N. E., snowing.
13	31	4	"	14	3 1/2	"
14	31	9	a.m.	9	4	N. E., light wind.
15	31	12	"	9	4	N. E.
16	31	2	p.m.	8	4	N. E.
17	31	5	"	6	4	N.
18	31	7.30	"	6	4	E., clear.
19	Feb. 1	1	a.m.	Zero.	5	N.
20	1	6	"	4 1/2	5	N. E.
21	1	9	"	10	5	N. E.
22	1	11	"	14	5	E.
23	1	1	p.m.	10	5	E.
24	1	3	"	13	5	E.
25	1	5	"	12	5	E.
26	1	11	"	10	5	N.
27	2	9	"	14	5	N. E.
28	2	10	"	16	5	N. E.
29	2	10.30	"	18	5 1/2	E.
30	2	1.30	"	23	5 1/2	W.
31	2	3	p.m.	22	5 1/2	N.
32	2	5	"	19	5 1/2	N.
33	2	9.30	"	10	5 1/2	Calm.
34	2	11	"	12	5 1/2	"
35	2	3.30 a.m.	"	18	6	
36	3	8	"	18	6	S.
37	3	1	p.m.	22	6	S.
38	3	4	"	20	6	W.
39	4	12	"	22	6	S. E., snowing.
40	4	1	a.m.	22	6	
41	4	7	"	26	6	Calm.
42	4	11	"	28	6	
43	4	12	"	30	6	Ther. 60° in sun.
44	4	1	p.m.	30	6	
45	4	5	"	30	6	
46	4	6	"	28	6	S.
47	4	7	"	24	6	S.
48	4	9	"	23	6	E.
49	5	2	a.m.	26 1/2	6	S., snowing.
50	5	7	"	24	7	S. E.
51	5	10	"	32	7	S. E.
52	5	1	p.m.	34	7	S. E.
53	5	5	"	34	7	
54	5	7	"	33	7	Water on ice.
55	5	8	"	36	7	W.
56	6	2	a.m.	37	7	W.
57	6	7	"	33	7	W.
58	6	11	"	32	7	N. W.
59	6	3	p.m.	30	7	N. W.
60	6	5	"	28	7	S. W.
61	6	9	"	24	7	S. W.
62	7	12	"	28	7	S. W.
63	7	2	a.m.	24	7	
64	7	4	"	22	7	S. W.
65	7	8	"	28	7	S. W.
66	7	9	"	32	7	S. W.
67	7	12	"	32	7	S. W.
68	7	1	p.m.	34	7	S. W.
69	7	3	"	35	7	Ice dry.
70	7	5	"	36	7	Calm.
71	7	9	"	28	7	S. W.
72	8	12	"	28	7	Ice dry.
73	8	9	a.m.	32	7	Ice wet.
74	8	11	"	38	7	S. W., ice melting.
75	8	11.30	"	39	7	S. W.
76	8	12	"	37	7	W.
77	8	3	p.m.	34	7	W.
78	8	4	"	34	7	
79	8	7	"	32	7	N. W.
80	8	8	"	32	7	N. W., surface water freezing.
81	8	9	"	17	7	N. W.
82	8	11	"	13	7	
83	9	12	"	8	7	Blowing a gale.
84	9	3	a.m.	6	7	N.
85	9	6	"	Zero.	8	
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