

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

No.	Date.	Hour.	Temper- ture.	Thick- ness Ice.	Graduated Rod.	Remarks.
87	Feb. 9	8 a.m.	4°	8	-.011	N.
88	9	9.30 "	6	8	-.010	N.
89	9	11 "	9	8	-.009	N.
90	9	12 "	10	8	-.006
91	9	2 p.m.	12	8	-.005	N.
92	9	9 "	7	8	-.005	N.
93	10	1 a.m.	10	8	-.005	Calm
94	10	5 "	10	8	-.004	E.
95	10	8 p.m.	11	8	-.004	E.
96	11	10 a.m.	12	8	-.004	E.
97	11	1 p.m.	20	8	+.001
98	11	3 "	24	8	+.005	N.
99	11	8 "	17	8	+.002	N.
100	11	10 "	16	8	+.001	N.
101	12	12 "	13	8	-.002	N.
102	12	2 a.m.	10	8	-.004	N.
103	12	6 "	9	9	-.008	N.
104	12	9 "	13	9	-.006	N.
105	12	11 "	19	9	-.001	N.
106	12	1 p.m.	23	9	+.003	N.
107	12	3 "	24	9	+.005	W.
108	12	6 "	24	9	+.006	S. W.
109	13	8 a.m.	26	9	+.006	E.
110	13	12 "	34	9	+.012	W.
111	13	2 p.m.	34	9	+.012	E.
112	13	8 "	30	9	+.012
113	14	4 a.m.	29	9	+.008	N. E.
114	14	8 "	29	9	+.006	N. E.
115	14	12 "	29	9	+.006	N. E.
116	14	1 p.m.	27	9	+.006	N. E.
117	14	3.30 "	28	9	+.008	N. E.
118	14	10 "	15	9	-.002	Clear night.
119	15	4 a.m.	12	9	-.005	N. W.
120	15	12 "	20	9	-.000	N. W.
121	15	2 p.m.	20	9	+.001	N. W.
122	15	5 "	22	9	+.003	S. E.
123	15	10 "	29	9	+.009	S. E.
124	16	9 a.m.	18	9	+.002	S. E.
125	16	11 "	18	10	+.001	N. E.
126	16	2 p.m.	18	10	+.001	N. E.
127	16	3 "	16	10	+.000	N. W.
128	16	6 "	14	10	+.000	W.
129	16	9 "	8	10	-.008	W.
130	17	6 a.m.	8	10	-.014
131	17	8 "	-4	10	-.017	N.
132	17	5 p.m.	+14	10	-.004	N. E.
133	17	8 "	6	10	-.009	N. E.
134	17	10 "	4	11	-.011	N. E.
135	18	8 a.m.	12	11	-.009
136	18	10 "	12	11	-.009	Snow drifting through roof.
137	18	12 "	18	11	-.006	N. E.
138	18	2 p.m.	18	11	-.004	N. E.
139	18	6 "	16	11	-.001	N. E.
140	19	9 a.m.	10	11	-.008	N. E.
141	19	5 p.m.	16	11	-.008	N. E.
142	19	9.30 "	10	11	-.006	E.
143	20	8 a.m.	26	11	+.003	E.
144	20	9.30 "	27	11	+.006	W., moves slowly.
145	20	12.30 "	30	11	+.007	E.
146	20	2.30 p.m.	32	11	+.010	W.
147	20	6 "	34	11	+.012	W.
148	21	3 a.m.	20	12	+.001	E.
149	21	12 "	34	12	+.012	E.
150	21	2 p.m.	38	12	+.012	E.
151	11	4 "	37	12	+.014	E.
152	22	12 "	37	12	+.012	E.
153	22	12 "	32	12	+.011	E.
154	24	12 "	30	12	+.010	E.
155	25	12 "	24	12	+.000	E.
156	25	5 "	24	12	+.000	E.
157	25	10 "	17	12	+.000	E.
158	26	8 a.m.	12	12	-.007	N. E.
159	26	9.30 "	22	12	-.006	N. E.
160	26	5 p.m.	30	12	+.007
161	27	8 a.m.	34	12	+.012	N. E.
162	27	12 "	45	12	+.012	S. W., exposed ice to sun.
163	28	12 "	34	12	+.012	S. W.