

ARCTIC EXPEDITION.

I.

PHYSICAL OBSERVATIONS

AND

REPORTS.

**The Thickness of the Salt-water Ice frozen during one Season,
at Floeberg Beach, Discovery Bay, and other Positions in the
Arctic Regions.**

At Floeberg Beach, where the station was sheltered by heavy ice from tidal currents, the thickness of the newly frozen ice agrees well with the records of other observers, and especially with that of Koldewey.

At Discovery Bay and Robeson Channel, where the ice was subject to a strong tidal current, it attained a considerably less thickness.

THICKNESS OF SALT-WATER ICE, IN INCHES.

Date.		NARES. Floeberg Beach. 1875-76.	STEPHENSON. Discovery Bay. 1875-76.	KOLDEWEY. Sabine Island, East Greenland. 1869-70.	BELCHER. Wellington Channel. 1853-54.	KELLETT. Dealy Island. 1852-53.	PARRY. Winter Harbour, Melville Island. 1819-20.	PARRY. Port Bowen. 1824-25.	COLLINSON. Camden Bay. 1853-54.	NARES. Robeson Channel. 1875-76.
Sept.	25	—	—	—	—	—	—	—	—	—
"	30	—	10·75	—	—	—	—	—	—	—
Oct.	1	8·0	—	—	—	—	—	—	—	—
"	22	19·0	—	—	—	—	—	—	—	—
"	31	—	16·5	—	—	—	—	—	—	—
Nov.	1	—	—	—	—	—	—	—	24·0	—
"	5	—	—	—	18·0	—	—	—	—	—
"	11	—	—	31·0	—	—	—	—	—	—
"	15	—	—	—	—	26·0	—	—	—	—
"	20	—	—	—	—	—	30·5	—	—	—
"	24	—	—	36·5	—	—	—	—	—	—
"	25	—	—	—	28·0	—	—	—	—	—
"	30	—	20·6	—	—	—	—	—	—	—
Dec.	5	—	—	—	36·0	—	—	—	—	—
"	11	40·5	—	—	—	—	—	—	—	—
"	13	—	—	—	—	—	38·5	—	—	—
"	15	—	—	—	39·5	—	—	—	—	—
"	16	—	—	—	—	33·0	—	—	—	—
"	25	—	—	—	44·0	—	—	—	—	—
"	31	—	24·7	—	—	—	—	—	—	—
Jan.	1	—	—	—	—	—	45·3	—	—	—
"	3	—	—	—	—	54·0	—	—	—	—
"	4	—	—	—	54·0	—	—	—	—	—
"	14	—	—	—	51·0	—	—	—	—	—
"	20	—	—	53·0	—	—	—	—	—	—
"	21	—	—	—	—	62·0	—	—	—	—
"	24	—	—	—	54·0	—	—	—	—	—
"	31	—	28·7	—	—	—	—	—	—	—
Feb.	1	50·75	—	—	—	—	—	—	—	—
"	2	—	—	—	—	66·0	—	—	—	—
"	3	—	—	—	59·0	—	—	—	—	—
"	13	—	—	—	63·0	—	—	—	—	—
"	15	55·5	—	—	—	74·0	—	—	—	—
"	18	—	—	57·0	—	—	—	—	—	—
"	23	—	—	—	67·0	—	—	—	—	—
"	29	—	31·0	—	—	—	—	—	—	—