

plateau, and about twenty miles north of the previous station, with a temperature of $6^{\circ}9$ C., and so found that we had passed the limits of the cold basin.

Our first two soundings after leaving Thorshavn (Stations 61 and 62) were in shallow water on the Færoe Bank, 114 and 125 fathoms, with a temperature of $7^{\circ}2$ and $7^{\circ}0$ C. respectively; but the next Station, No. 63, after a run of eighty miles, gave 317 fathoms and $0^{\circ}9$ C., showing that we were once more in the cold region. From that point, passing in a south-easterly direction across the channel towards the northern point of Shetland, we traversed the cold area in its most characteristic form, finding at Station 64, lat. $61^{\circ} 21' N.$, long. $3^{\circ} 44' W.$, a depth of 640 fathoms, with a bottom temperature of $-1^{\circ}2$ C. Here we took another serial sounding, and its results corresponded generally with those of No. 52. The surface temperature was lower, and the temperature down to 200 fathoms somewhat lower; at 350 fathoms it was a little higher:—

Surface	$9^{\circ} \cdot 8$ C.
50 fathoms	$7 \cdot 5$
100 "	$7 \cdot 2$
150 "	$6 \cdot 3$
200 "	$4 \cdot 1$
250 "	$1 \cdot 3$
300 "	$0 \cdot 2$
350 "	$0 \cdot 3$
400 "	$0 \cdot 5$
450 "	$0 \cdot 8$
500 "	$-1 \cdot 0$
550 "	$-1 \cdot 0$
600 "	$-1 \cdot 1$
640 "	$-1 \cdot 2$