

27th in 2325 fathoms, with a bottom of gray ooze with nodules of black manganese, and a bottom temperature of $0^{\circ}\cdot47$ C. The distance from the Cape of Good Hope at noon was 138 miles. A series of temperature soundings were taken at intervals of ten fathoms from the surface to a depth of a hundred fathoms with the following results:

Surface.....	$13^{\circ}\cdot4$ C.	60 fathoms.....	$11^{\circ}\cdot2$ C.
10 fathoms.....	13 \cdot 4	70 "	11 \cdot 1
20 "	13 \cdot 3	80 "	11 \cdot 1
30 "	12 \cdot 8	90 "	11 \cdot 0
40 "	11 \cdot 6	100 "	10 \cdot 9
50 "	11 \cdot 3		

On the 28th we stopped at 7 A.M., and sounded in 1250 fathoms with a bottom of gray mud, Table Mountain and the range of hills above Simon's Bay being fairly visible on the north-eastern horizon. We took a series of temperatures at intervals of ten fathoms down to a hundred. At noon we took a second series, fifteen nautical miles to the south-west of the Cape of Good Hope, and we found that in the interval we had passed into the loop of the Agulhas Current, which curls round the Cape close to the land. The contrast between the two series is remarkable.

Depth in Fathoms.	7 A.M.	Noon.
Surface.	$14^{\circ}\cdot6$ C.	$16^{\circ}\cdot7$ C.
10	14 \cdot 7	17 \cdot 1
20	14 \cdot 5	16 \cdot 8
30	14 \cdot 4	16 \cdot 4
40	13 \cdot 8	15 \cdot 8
50	12 \cdot 5	14 \cdot 7
60	12 \cdot 3	13 \cdot 9
70	11 \cdot 6	13 \cdot 3
80	11 \cdot 6	12 \cdot 8
90	11 \cdot 7	12 \cdot 2
100	11 \cdot 6	11 \cdot 0

The temperature of the air likewise rose perceptibly, the thermometer in the shade indicating at noon 15° C., nearly three degrees above the average of the same hour during the previous week.