

sented, some shepherds in the employment of the Falkland Islands Company having occupied the old Government buildings. We returned to Stanley on the 4th, and on the 6th we sailed for Montevideo, bidding a final farewell to the Falklands, which I am sure we shall always remember with pleasure, if not on their own account, on that of the kindness and hospitality which we met with during our stay.

On the 8th we sounded about 200 miles to the north-east of Stanley, in a depth of 1035 fathoms. The sounding-machine brought up no sample of the bottom, but a tow-net attached to the dredge-rope at the weight contained a little gravel and one or two small organisms. The bottom temperature was  $1^{\circ}\cdot7$  C. The trawl was lowered, but it was unfortunately carried away, after the weights, which were 300 fathoms in advance of the trawl, had been brought on board. The rope was much chafed, as if it had been dragged against sharp rocks. The following day was fine, with light, uncertain winds. On the 10th it was blowing half a gale, and the sea was running too high for sounding operations. On the 11th the weather was fine, the wind becoming more moderate toward noon. At 10 A.M. we sounded and put down the trawl in 2040 fathoms, with a bottom of bluish mud containing many *Globigerinæ*, and a bottom temperature of  $+0^{\circ} 3$  C. The position of the sounding was lat.  $42^{\circ} 32'$  S., long.  $56^{\circ} 27'$  W., about 200 miles to the eastward of Valdes Peninsula. Temperature soundings were taken at this station down to 1500 fathoms. This sounding gives a singularly rapid fall from  $14^{\circ}\cdot2$  C. on the surface to  $2^{\circ}$  C. at 125 fathoms; the edge of the antarctic indraught appeared to be pushed up against the American shore by the western border of the southern branch of the reflux of the equatorial current, just as the Labrador current is banked up by its northern branch; the result being no doubt increased in both cases by the flinging-up of the polar water against the western land-barrier on account of its low initial velocity. The trawl yielded