Residue.				Additional Observations.	
Per cent.	Siliceous Organisms.	Minerals.	Fine Washings.		
...	...	...	...	*The mud from the anchor in the harbour was the same as that described for Station 321, only somewhat darker in colour.	Falkland Islands to Rio de la Plata—*continued.*
98·87	(1·00 %), Lituolidæ, frustules of Diatoms.	(3·00 %), m. di. 0·08 mm., angular and rounded; quartz, pumice, felspar, plagioclase, hornblende, augite, magnetite, particles of volcanic rocks, a few glauconitic grains.	(94·87 %), amorphous matter and small mineral particles.	The dredge brought up a large quantity of blue tenacious mud.	
...	...	...	...	The trawl brought up many dead shells of *Pecten*, &c., covered with Annelid tubes, and some sand formed of grains, about 1 mm. in diameter, of quartz, felspar, mica, hornblende, augite, and pumice. The trawl also brought up some sandy aggregations of a more or less oval shape and grey colour. These contained all the above minerals, quartz particles about 0·5 mm. in diameter predominating. The mineral particles are agglutinated by a ferruginous clay.	
96·96	(5·00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ, Diatoms.	(20·00 %), m. di. 0·08 mm., angular and rounded; quartz, felspar, plagioclase, mica, hornblende, augite, magnetite, glauconite.	(71·96 %), amorphous matter, with many minute mineral particles.	The sounding tube brought up over a quart (over a litre) of the mud. This was of a blue colour, except a thin watery surface layer of a red or brown colour. The calcareous organisms were chiefly confined to the surface layers. The trawl and attached tow-nets contained a little of the deposit, the same as the upper layers in the sounding tube, and in the trawl there were several large lumps of the stiff Blue Mud of the lower layers. Some of the Foraminifera are macroscopic. Some of the quartz grains have a diameter of 1 mm., and are covered with limonite. Some of the felspar particles have vitreous inclusions.	Rio de la Plata to Tristan da Cunha.
95·96	(5·00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ, Diatoms.	(20·00 %), m. di. 0·08 mm., angular and rounded; quartz, pumice, plagioclase, hornblende, mica, magnetite, glauconite.	(70·96 %), amorphous matter, with many minute mineral particles.	The sounding tube brought up over a litre of the mud of the same grey-brown colour throughout. A second sounding was taken and gave the same kind of deposit at a depth of 2840 fathoms. Some of the quartz particles reach a diameter of 1 mm., and are covered with limonite. The trawl line parted after the trawl had been some time on the bottom.	
100·00	(5·00 %), Radiolaria, *Astrorhiza*, Lituolidæ, Diatoms.	(20·00 %), m. di. 0·08 mm., angular and rounded; quartz sometimes coated with limonite, pumice, brown glassy volcanic particles, mica, sanidine, hornblende, augite, magnetite.	(75·00 %), amorphous matter and many fine mineral particles.	The sounding tube had sunk fifteen inches (37·5 cm.) into the bottom and brought up nearly two litres of the mud, of which the lower layer was reddish rather than grey. There was also about half a litre of mud in the trawl and attached tow-nets. No effervescence was observed when the deposit was treated with acid. The magnetite is not always isolated, but is often found inclosed in particles of volcanic rocks, or as inclusions in hornblende and augite.	