

sary for the production of a glacier that may form comparatively extensive moraines.¹

The south-western side of the Lyngen Fjord is formed by a mass of high ground, which shoots up steeply from the sea to a height of 4000 feet or more. Every hollow and cliff is smothered with snow, which descends in straggling streaks and patches almost to the edge of the water. We sailed up the fjord for some miles, and had a full view of this truly magnificent coast-line. We counted from ten to twelve small glaciers nestling in separate corries, and also two or three on the north-eastern side. There was here the same evidence of the formation of glaciers in small independent hollows of the mountains, quite detached, at least in the summer, from any large snow-field.

We halted at the island of Skjaervö (lat. 70°) for the purpose of making an excursion across the Kvenangen Fjord and up the Jökuls Fjord, to see the glacier which was said to reach the level of the sea² (fig. 13). The metamorphic rocks among which the Jökuls Fjord lies are

¹ North Wales presents a number of illustrations of this remark, such as Cwm Graianog, Cwm Idwal, etc. (see Sir A. C. Ramsay's *Glaciers of North Wales*).

² This glacier was noticed by Von Buch, and is mentioned by Principal Forbes. When we visited it, I was not aware that a brief account of it had been given in vol. ii. of *Peaks, Passes, and Glaciers*, second series. Mr. J. F. Hardy, the writer of that description, started overland from Talvik on the Alten Fjord, and reached the Jökuls Fjord below the glacier, to which he ascended by boat. Like my own party, he did not climb the glacier, but he seems to have regarded it as connected with the snow-field above. Though I did not succeed in ascending the rugged cliffs, I had no doubt that the lower glacier, from its colour and the steepness and contraction of the gorge above it, is a true *glacier remanié*, and like the Suphelle glacier described by Forbes (*Norway and its Glaciers*, p. 149), is quite disconnected, at least in summer, from the snow-fields above.