vity of the Cordilleras, and also the extremity of the island of Trinidad, there are numerous petrifactions; and these are partly of land, partly of marine animals. The fandstone of Scotland also contains numerous vegetable, and sometimes also animal petrifactions.

greet attendence in English and landtone Old Red Sandstone or First Sandstone Formation. Ælter rother Sandstein.-Werner.

It rests immediately on transition, or, when these are wanting, on primitive rocks. It alternates from fine to coarfe granular, which latter often inclines to conglomerate; yet in genera! its grains exceed in magnitude those of the newer fandstone formations. The grains are usually quartz and flinty-flate. Its cement is ironshot clay, which gives to the whole a reddish colour. Although the principal character of this fandstone is the coarseness of its grains, and reddish colour, yet it sometimes occurs fine-grained, and of a greyish colour; but this kind is usually in fingle beds, and in inconfiderable quantity. The reddish kind is denominated by the German miners, Rothe tode Liegende, or Red Dead-Lier; and the grey variety, Weisse Liegende, White-Lier. The outgoings of its strata reach a more considerable height than those of any of the other floetz formations. It is particularly diftinguished by the bituminous