mided for them by the time they rise; if they are not to wait to be dressed, or to shiver for ant of fire, and if they be not restricted in eir play for fear of rousing the adults of the mily, they will not wish to lie in bed when whave had sufficient sleep. There is not a are delightful sound to a mother's ears than siorous laughter of her little ones in the early roing; it speaks of health and happiness, and that freedom from care which only childhood nenioy. If children be fretful in a morning may be sure either that they are poorly, that their wants are not properly attended to. smaking the morning yours pleasant, you renthe habit of early-rising easy of acquisition; when we consider the effect which such a -hit will have on the physical, intellectual, and oral powers of our children through life, we motion strenuously exert ourselves in assistthem to establish it. The impressions first the on the mind in the morning generally conne through the day, and give a colour to evevent which occurs. It is therefore of great portance that children should be spoken to handness and cheerfulness when they first ske; and if mothers cannot themselves attend them they ought to impress on the miads of as how much trouble they may save themres, and how much happiness they may imto their young charge, by getting them into cheerful happy temper as soon as they arise.-'oher's Practical Guide.

THE PERMANENCE OF SPECIES—The mind into from contemplating the confusion which at easie, if the ideas which some entertain as "transmutations" between species, either in vegetable or animal world, had any foun-

tion in reality.

lathat most instructive series of articles which eleaned Agassiz is now contributing to the latic Monthly, we have not known whether idmire more the clearness and simplicity of language, or the interest with which he has afar been canabled to surround subjects of a lerecondite nature. He began with the low-types of animal life, and has now reached Polyp Coral—the tiny builder of so many found islands which now support the exuber-regulation of the tropics and withstand all power of the waves.

Othese Coral Polyps it appears that there no less than five species. As to the length line during which they have been at work make the following extract, referring to the

a reefs on the Florida Coast :-

Estimating the growth of the Coral Reef accing to these and other data of the same
acter, it should be about half a foot in a
city; and a careful comparison which I have
of the condition of the Reef as recorded
a Reglish survey made about a century ago
its present state would justify this concluBut allowing a wide margin for inaccura-

cy of observation or for any circumstances that might accelerate the growth, and leaving out of consideration the decay of the soft parts and the comminution of the brittle ones, which would subtract so I rgely from the actual rate of growth, let us double this estimate and call the average increase a foot for every century. In so doing, we are no doubt greatly overrating the rapidity of the progress, and our calculation of the period that must have clapsed in the formation of the Reef will be far within the truth.

The outer Reaf, still incomplete, as I have stated, and therefore of course somewhat lower than the inner one, measures about seventy feet Allowing a foot growth for every in height. century, not less than seven thousand years must have elapsed since this Reef began to grow. Some miles nearer the mair-land are the Keys, or the inner Reef; and though this must have been longer in the process of formation than the outer one, since its growth is completed, and nearly the whole extent of its surface is transformed into islands, with here and there a narrow break separating them, yet in order to keep fully within the evidence of facts, I will allow only seven thousand years for the formation of this Reef also, making fourteen thousand for the

This brings us to the shore-blaffs, consisting simply of another Reef exactly like those already described, except that the lapse of time has united it to the main-ladd by the complete filling up and consolidation of the channel which once divided it from the extremity of the peninsula, as a channel now separates the Keys from the shore-bluffs, and the outer Reef, again, from they Keys, These three concentric Reefs, then, the outer Reef, the Keys, and the shore-bluffs, if we measure the growth of the two latter on the same low estimate by which I have calculated the rate of progress of the former, cannot have reached their present condition in less than twenty thousand years. Their growth must have been successive, since, as we have seen, all Corals need the fresh action of the open sea. upon them, and if either of the outer Reefs had began to grow before the completion of the inner one, it would have effectually checked the growth of the latter. The absence of an incipient Reef outside of the outer Reef, shows these conclusions to be well founded. The islands capping these three do not exceed in height the level to which the fragments accumulated upon their summits may have been thrown by the beaviest storms. The highest hills of this part of Florida are not over ten or twelve above the level of the sea, and yet the luxuriant vegetation with which they are covered gives them an imposing appearance.

But this is not the end of the story. Travelling inland from the shore-bluffs, we cross a low flat expanse of land, the Indian hunting ground, which brings us to a row of elevations called