through the influence of a a suffici- same with that of red fruits. ently low temperature, or from any other cause, the functions of vegetable life are suspended, and the fluids cease to circulate, the leaves no longer disengage oxygen. but, in common with all dead forming an acid, changes the color of the leaves either to yellow, red. or some intermediate shade, dedepending on the quality of the matter present in the leaves. Ti has also been asserted that this acid can be neutralized by an alkali, and the green restored. This is not, however, the case. A leaf does not become green by any reagent: but when it has become red, a solution of potash will change it to green, because the red coloring matter forms green compounds with that alkali.

parent. the transformation of the green col-signed the pledge. low is effected by the frost. Every his face, caught the boy in his arms, effort to re-produce the green from exclaiming-" Well may we say the yellow proved fruitless; neither that the grave of Alcohol has been could be succeed in changing the dug by this little boy!" green coloring matter to yellow. ed, and is believed to be the take and destroy it.

brown color which leaves assume when completely withered has nothing in common with either the red or the yellow colors. produced by an extractive principle, originally colorless, but which, bodies, absorb this gas, which, when the epidermis or outer layer of the leaf structure has decayed off, is acted upon by the oxygen of the air, and communicates to the fibrous skeleton of the leaf the well known brown color. This color is one of the most fixed and unchangeable with which we are acquainted, and cannot be impaired or destroyed.

> The Father and his Little Boy. HILE the Rev. John Chambers was speaking at a meeting in Phila-

delphia, a man who had been oc-Berzelius, the great Sweedish curving a seat in a distant martipf chemist, spent considerable time in any room arese with a little by investigating this satisfied the mais arms, scarce six years old, found that when the year was a west and came forward to the speaker's were treated with alcohol, they stand; all gave way for him. He granular substance, placed his child on the stand, and which had a tendency to crystaliza-tion, and also a yellow, soft, fatty, substance, which appeared identi-ling accents addressed the speakcal with the grains. These con-ers: "My little boy said to me, tained the yellow coloring matter. Father, don't drink any more!" of the leaves, which is described Gentlemen, I have taken my last as a yellow, fatty, unctuous sub-drink." The effect produced upon stance, easily melted, and on cool-the audience beggars all descriping becoming concrete and trans-tion. The speakers, with the When moistened with whole audience, were bathed in water, and long exposed to the air tears; and such were the good efand light, it loses its color entirely. fects of this example, that seven-Berzelius was of the opinion that teen others came forward and Mr. Chamloring matter of the leaf into a yel- bers, with tears streaming down

The red coloring matter of the NEVER chase a lie, for if you be leaves has been also extract-quiet, truth will eventually over-