through the influence of a a sufficiently low temperature, or from any other cause, the functivns of vegetable life are suspented, and the fluids cease to circulate, the leaves no longer dis mage oxygon, but, in common with all dead bodies, absorb this pas, which, forming an acid, changes the color of the leaves either to yellow, red. or some intermedrate shade, dtdepending on the quality of the matter present in the leaves. It has also been asserted that thas 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 compminds with that alkali.

Berzellius, Hu srat swornind
 investogalio: tias sult:

1:: found that when the yeu e! ! il: were treatod winh alcolnd. Whey yielded a gramutar suhntance, which had a tendency to crystalizattion, and also a yellow, suft, fatty, substance, which appeared identical with the grains. These contained the yellow coloring matter of the leaves, which is described as a yellow, fatty, unctuous substance, easily melted, and on couling becoming concrete and transparent. When moistened with water, and long expused to the air and light, it loses its culor entirely. Berzelius was of the opiniou that the transformation cl the green collering matter of the leaf into a yellow is effected ly the frust. Every effurt to re-produce the green from the yellow proved fruitless; neather could he succeed in changing the green colorng matter to yeliow. The red coloring matter of the leaves has been also extracted, and is believed to be the
sume with that of red fruits. The brown color which leaves assume when completely withered has nothing in comnoun with cither the red ar the yellow colors. It is proluced by an extractive principle, originally colurless, but which, when the epidermis or outer layer of the leaf structure has decayed offi, is acted upon by the oxygen of the air, and comminicates 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 destruyed.

## The Father and his Little Boy.

 WHILE the Rev. John Chambers was speaking at a meeting in phidod川hia, a man who lit been'6crup ying a a a: in a disthnt mattof
 - in ran: 'mward to the expeaker's stimia; all gate vay for bim. He phaced has chatd on the stand, and while the tears were ruming fast down his cheeks, he with trembling accents addressed the speakers: "My little boy said to me, Father, don't drink any mure!' Gentlemen, I have taken my last drimk." The eflect produced nuon the audience lieggars all description. The speakers, with the whole audience, were bathed in tears; and such were the good effects of this example, that seventeen others came forward and signed the pledge. Mr. Chambers, with luars streaming down his face, canght the boy in hisarms, exclaining-" Well uay we say that the grave of Alcohol has been dug by this little boy!"

Never chase a lie, for if you be quiet, truth will eventually overtake and destroy it.

