more beautiful and regular tran ever; but the whole substance. Persians quickly retook it, and demolished its that it is white, has little elasticity. & is the light-perished in an earthquake. It was speedly rebuilt, est of metals. It is not very ductile, but so but the Saracens took it, A. D. 637 since which malleable that it may be beaten thinner than Christianity has there made but a very poor ap-puper; yet such is its tenacity, that a wire of young friends, are entering upon life, with buoyнагипсо etook it, A. D. 966 they retook, and utterly demolished it. ruins.

PHILOSOPHICAL REFLECTIONS.

~o¦∘~ From a London Magazine.

TIN.

Rude and chastic as the soil may seem T' incurious or untutor'd rainds; Useless and vain as mountains seem to rise: Tet Science shows, nor lulls, nor vales, in vain By God are meant, but teem with treasure vast: Potent and wise in all that he has made. And in the varied distribution kind: To ev'ry clime its characteristic good. Exhaustless mineral stores to this fair isle. Kindly o'errul'd to work its greatest bliss.

evident from the mention of it by Moses in the among the infinitely wise arrangements of the book of Numbers, and by Homer in his Iliad

Like those we have already noticed, it is The counties of Cornwall and Devon in our own derstood, they are found to subserve important favoured Isle have long been distinguished for purposes. Only two oxides of this metal have endless round of amusements, in the pursuit of their abounding in it. Every lover of his counbeen as yet discovered, the yellow and the white: happiness; say, have you ever found it there? try has abundant cause for gratitude that its bow- the former is employed in polishing fine steel sure, not merely as a matter of convenience, is used in the manufactre of an enamel, to which but as affording so powerful an inducement to almost any colour may be given by the assistance commercial intercourse with other nations, of other metallic oxides. Many are of opinion that our metallic riches, of the scriptures of truth! Learned references pound substance, no wonder that they should inin support of such an opinion would be unavail-dulge the hope of being able to form gold." ing to many of our juvenile readers.

understood. Tin utensile, as they are called, understood. Tin utensile, as they are called, covering for sheets of iron in the manufacture of instead of being a blessing. Why then would meet us in every direction, yet we occasionally neat, portable, and convenient utensils for do-you seek it as the chief good—as the source of discourse with individuals, with momentary surmestic purposes. It is of immense consequence your greatest happiness, when the end of all

his ascension, Acts ix. 19-27. xiv. 26. xv. 35 pal substance of which such utensils are made give brightness to red and scarlet colours, and to Gal. ii. 11. The church here continued famous for sundry stronger metal. What are called plates of tin metal is also used in the composition of various ages, and here one of the patriarche had his seat; are plates of iron conted with tin. The iron is substances, as bell-metal, bronze, and brase for here the famed Chrysostom, in the end of the first formed into thin plates, the plates are then cannon. The ancients used it in their copper 4th century, preached with amazing applause thoroughly scoured with sand, and plunged for coins. and success. This city was thrice almost de twenty-four hours in a mixture of water and sulstroyed by earthquakes in the 4th century, and phuric acid, of water and bran, and they are af- only known to Him who formed it and gave it its he oft in the 5th. In A. D. 518, the persons terwards dried, rubbed with grease to prevent distinguishing properties. May this brief review fnok it, burnt the city, and put all the inhabitants rust, and immersed in melted tin, which not only of them assist the youthful reader in forming the To the sword. The emperor Justinian rebuilt it completely covers the plate but penetrates the invaluable habit of beholding and adoring the

Nicephorous, the Greek emperor, 1-10th of an inch will support a weight of 19 lbs Not long after, the Sara and a half It is moreover distinguished by its ens, or Seljukian Turks, siezed on it. In 1098, smell when rubbed, and for its snapping noise he croisades wrested it from them: but 1188, when suddenly hent. The characteristic pe-At cultarities of the metals, notwithstanding their resent it is scarce any thing else than a heap of general teatures of resemblance, are very interesting; since, while they show the wisdom of the Almighty, who cannot have distinguished them by needless properties, they also serve to teach us humility, seeing they possess so many qualities, of whose use we know nothing.

There are two kinds of tin; - block tin and grain tip, of which the latter is the more pure, but the former is the great article of commerce. and is so called from its being made into blocks of 320lbs, weight. It is taken to the Assayer's office, duly stamped with the arms of the Duke of Cornwall, and is then saleable: hence arises a and the expostulating lines of anotherfruitful source of revenue to that duchy.

But we proceed to notice its oxides. have already had occasion to remark, that the rusting of metals, ordinarily viewed with indifference or regret, is a subject worthy of profound This metal has been very long known, as is attention and grateful notice, masmuch as it is Great Creator not yet half understood by man. Each metal has its distinct rusts or oxides: these found in various parts of the world, in Asia, S. oxides are formed in peculiar and prescribed cir-America, and Europe, particularly the latter cumstances, and, in proportion as they are unels should be so richly stored with mineral trea- wares and the superior kinds of glass; the latter heart never been sad, even whilst the placid

Another remarkable property of metals is, and our stores of this metal in particular, have that with various compounds they form important a little moment, but the heart gets cloyed with been the occasion of many memorable visits, salts. The most remarkable salts of tin are the them, and they soon lose the power to please; which, although many of them have been follow- muriate, the nitromuriace, and the sulphrate, and you are then left the same unsatiated creaed by hestile and lamentable consequences, Combinations of tin with chlorine and sulphur tures that you were before, have nevertheless contributed to the diffusion of are also noticed by chemists. The union of 100 The fancied good which knowlege and promotion of civilization; in short, parts of tin with 55 of sulphur has been called lists only in your own over-heated imaginations. that our possession of this metal indirectly led mosaic gold, and is used to give a fine colour to The world, as a pointion, connot yield you hapto the introduction of christianity itself amongst bronze. "I suspect," says Mr. Parke, "that piness when in health-cannot soothe your us. Happy merchandize, if for the metallic ore the change produced in tin by this process gave mind on the bed of afflictions—cannot dispet we received in return the richer and sublimer rise to the idea of two transmutation of metals ore of divine truth from the exhaustless mines If the alchemists were acquainted with this com-

were first called Christians, a few years altersprise, who are not even aware that the princi-ste dyers. It is used to form their boilers, to

To how many other uses it is applicable is Creator in all his works.

MISCELLANEOUS.

EXPOSTULATION WITH YOUTH -You. my ant hopes; picturing to yourselves the full enjoyment of earthly happiness; considering life to be but one continued scene of sunshine, without one intervening cloud to dim your vision. Your hearts best lightly, and the lively sparkling guiety of the eye speaks the thoughts that are passing within:

The world does present itself to your view in all its fuscinating and alluring, yet deluding aspects; but if you love your own souls, if you love your present peace and happiness, and your eternal well-being, trust not the gay deceiver. Remember the language of one poet-

"How vain are all things here below, How false, and yet how fair; Each pleasure bath its poison too, And every sweet a snare!"

"How long to streams of false delight, Will yo in crowds repair? How long your strong'h and substance waste, On trifles light as air?"

You will find the pleasures of the world, unsatisfying in their nature-fleeting in their duration, like the morning cloud and the early dew, which soon passeth away--and all ending in disappointment!

O've poor votaries of pleasure, who have drunk deep of the cup of this world's pleasures -who shave entered into all its gaieties, and No! in the midst of these scenes, has your smile was upon your cheek, and the glow of animation upon your countenance; and whilst you appeared to your companions, to be really happy? Yes; these things may amuse you for

The functed good which the world yields, exfears, and excite consolation and joy, in the prospect of dissolution-cannot support you. when your flesh and heart faints and fail-neither can it open up to your view, a glorious The uses of tin are very important and vari- prospect of immortality beyond death and the Few metals that are so common are so little ous. We have already glanced at its utility as a grave. The world then, as a portion is a curse,