NATURE AND PROPERTIES OF WATER.

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No living thing can exist except it contains water as one of the leading constituents of the various parts of its system. To so great extent does this go, that, in a thousand parts of human blood, nearly eight hundred ere pure water. This distribution of organised beings all ever the world is, to a great extent, regulated by its abundance or scarcity. It seems as if the properties of this substance mark out the plan of animated nature. From man, at the head of all, to the a canest vegetable that can grow on a bare rock, through all the various orders and tribes, Kis ingredient is absolutely required. Insipid and inodorous in inself, it takes on the peculiarities of all other bodies assumes with readiness the sweetness of sugar, and the acidity of vinegar. Distilled with flowers, or the aromatic parts of plants it contracts from them their fragrance. and, with equal facility becomes the vehicle of odours the most offensive to our sense. We talk about the use of water, and imagine that nature furnishes a perennial supply; we constantly forget that in this world nothing is ever annihilated. The liquid that we drink to-day has been drunk a thousand times before; the clouds that obscure the sky have obscured it again and again. What, then, becomes of the immense quantities of water wuch, thus entering as a constituent of the bodies of ninals, give to their various parts that flexibility which enables them to execute movements, or, combining with vegetable structure, fits them for carrying on their vival processes? After the course of a few years, all existing animals and vegetables entirely pass away; their solid constituents disintegrate and take on other conditions, and waters, lost perhaps, for a while in the ground, at last escape in the form of vapour in the air. In that great and invisible receptacle all traces of its ancient relations disappear, it mingles with other vapours that are raised from the sea by the sun. -From the bodies of living animals and plants immense quantities are bourly finding their way into the reservoit. the forests and meadows, and wherever vegetables are found, water is continually evaporating, and that to an extent far surpassing what we might at first be led to sup pose. In a single day a sun-flower, of moderate size. throws from its leaves, and other parts, nearly 20 cunces weight. In the republic of the universe there is a stern equality; the breath of the rich intermingles with the breath of the beggar. A man of average size require a half ton of water a year; when he has reached the meridian of life, he has consumed nearly three hundred times his own weight of this liquid. These statements might lead many to doubt whether the existing order of nature, as dependent on the waters of the sea, could, for any length of time, supply such a great consumption. The human family consists, probably, of a thousand millions of individuals; it would be a very moderate estimate to suppose that the various animals, great at & small, taken together consume five times as much water as we co, and the vegetable world two hundred times as much as all the animal race-. Underfauch an immense drain, it becomes a curious question what pravision nature has made to meet the demand. and how long the waters of the sea, supposing none returned to the a, could furnish a sure supply? The question involves the stability of existence of animated nature. and the world of organization, and no man, save one whose mind is thoroughly imbued with an appreciation of the resources upon which the acts of the Creater are founded. would. I an sure, justly guess at the result. There exists in the sea a sumply which would meet this enormous de mand for more than a quarter of a million of years.

AMERICAN SLAVERY.

Strange it is indeed that in a country, bonsting itself superior to all others in the blessings of freedom that such scenes should be enseted as are even now transpiring in the United States. We wonder not that so many there should feel their hearts stirred up to the strongest indignation at the conduct of men who having in their mouths the ery of liberty are passing and enforcing laws intringing on the dearest rights of their fellows. Surely the course which America is pursuing on the subject of slavery must if not abandoned lower her in the eyes of the wise and good of every notion. Even France, with all her insurrections and anarchy, and gross misasserehension of the true principles of freedom in other respects, is infinitely in advance of the Great Union in this pratter. From the first moment of her renomeing her sucient voke of an Huel Towan, in Cornwall. Let us pouse a succent, and arbitrary monarchy, a hatever term of internal government she may have assumed, her reputiotion of negro slavery has been uniform, smeere, and constant. We greatly fear that the exemple of the United Butes on the subject of slavery will have the most lumentable offeet upon the tion of two pounds of coal would piece him on the sum population of the anothern portion of the American continent, where the trade in human firings is still carried on or art that has been raised to man in motors area concernate in all its horrors and alternizations, for every movement of a most of tron not less than tone rations of posside m of such a power or that of the United States will bengerty | we ght, managed at a madium beight of about 1(4) for seized on as adording the sunrtion of a great, and ent. Hi gont, and a moverful nation to perpetuate the write of alayery. We well know that the religious and mured said of Egypt is compared of grante. It a 700 toot it portion of the Great Republic as well as ell who easly | the eide of the best, and fast a sergend cular in beiger, and understand and superciate the principles of freezine ere atanks on sieves series of sengue. It was not a therefore beyond measure princed at the ourse pursued by those 12.7:00 milions of pasada, at a madition beignt of 1:2 foot who openly advocate or who wish at slavery. We coment | consequently it would be extend by the effect of should hill but strongly sympathise with the great slow moret feet at | chaldrens at oust-a questity consumed in some forendr a seeing the name of their country made a represent somme I in a week. The annual donagaignan of eval in London is nations. One would little have dreamed some few years | nationaled at 1.500,000 chaldrens. The affort of this mish pince that the leboure of Willieringer and of Clarkson Lity would suffice to raise a entired block of ma ble, 2,300 would have been so little influential over so large and leet in the side, through a some equal to its own height. intellectual a portion of the Augle-Saxon rore. But the or to alle one such moons a noon another. The Monte ungodly mammon has home down all other considerations | Muovo west Poszuole | which was equoted in a single night of justice or of share, and asserted his trimmph over the by soleanie fire) might have been raised by such an offer: laws of God and the rights of man. - Christian Messenger. from a depth of 40,000 feet, or shout miles.

Sinney Switt or Progress .- It is of some importance at what period man is born. A voung man, alive at |ed the Gospel of Christ in Britain about the fourteenth year this period hard'y knows to what improvements of human of the Emperor Nero, and A. D. 63. He there appointed life he has been introduced; and I bring before his notice Aristobulus, mentioned in the Epistle to the Romans, as the following ighteen changes, which have taken place the first bishop, and established a complete Enscopal form; in England since I began to breath of life-a of Church Government. The Church of Britain thus ce- awed a thousand Philistines to death

portion amounting now to nearly seventy years Gas waunknown. I groped my way about the streets of London in all but the utter darkness of a twenking oil lamp, and the protection of the watchmen, in their climatic, and exposed to every species of insult 1 h ve been nine hours in sailing from Dever to Calais, before the invention of steam. It took me nine hours to go from Taunton to Bath and now I can go in six hours from Tannton to London In going from Taunton to Bath, I suffered between 10.000 and 12.000 severe contusions before stone breaking Macadan was born. I paid £15 in a single year for the repairs of carriage springs on the pavement of London; and now I glide without noise or frac ure on wooden pavement. can walk by the assistance of the police, from one end of London to the other, without molestation; or if I am tired to get in a cheap cab instead of those cottages on wheels which the hackney coaches were at the beginning of my

I had no umbrella. They were little used, and very dear. There were no water-proof lane, and my hat has often been reduced by rains to its primitive pulp. I could of Henry VIII." To such unfledged controversialists it not keep my clothes in their proper places, for braces were unknown. It I had the goot there was no colchieum. I was bilious there was no caloniel. It I was attacked by have read it .- Correspondent of the Standard. ague, there was no quinine. There were filthy coffee houses instead of elegant clubs Game could not be bought Quarrels about uncommuted tithes were endiess. The had tried a most every dedge that could turn a current of corruption of Parliament before reform, intamous, - There were no banks to receive the savings of the poor. The poor laws were gradually supping the vitals of the country. Whatever miseries I suffered I had no post, to whisk my complaints for a single penny, to the remotest corners of the empire. And yet in spite of all these privations I acoccupied ground of the ire-cream man, he set up businesslived on quietly, and am now ashemed that I was not di content d'and utterly surprised that all these changes and inventions did not occur two cen uries ago. I forgot the legless chair. " Awnly wann cent to be weighed! to add, that as the basket of stage coaches in which language was then carried, had no springs, your clothes were crowd was there in a moment, one after another popped rubbed to pieces, and that even in the best society one into the seat, while the Yorkshire took tre cents with one third of the genteel at least, were always drunk.

ter the laws. With what grace would the female barrister | eye, as much as to say, "You may talk of Yankees as much carry the blue bag, and in what mel floors strains they as you like, but I've Yorkshire !"-N. Y. Tribune. would move to " quash the indictment." Their declarations would be couched in the softest language of the billet donx their "pleas" in the persong terms of a moonlight tete-a-tete; their "replications" would be warm; their "rejoinders" cordial and their "rebutters" and 'sub-rebutters" presistable. No three days speeches would be indulged in ; but we should hear short, fiery and effective harangues, which would tear away the very curl papers of their opponents. That imposing bustle of court of justice which strikes the stranger with so much interest would be improved upon, and carried out to i full extent. Ugly Jurymen, with steen vienges, would give place to twelve " nice young men," selected for their personal charms, who would a ways decide in favor of the prettiest advocate. But the marchal, with her delicate fairy wand of office, grace in her steps, I eaven in her eyes. in every gesture, dignity and love -who could withstand her summons? The telon who should receive upon his shoulder the gentle tap of her delicate fingers, and hear the fascinating accents of "Come along, my fine fellow," would be envied, and fashionable young bucks would knock each other down for the pleasure of being taket, up. As for the reporters, they would at end court in full dress. at d those who are not married would soon begin to court on their own hook. Wouldn't they, triend Carll.

There is a charm in reflections on this subject, which almost irresistably binds us to it; but, before we conclude. we would express the hope that ere long our vision may he realized, and we wisness justice admir stered, and the law upheld by our sympathising matrons, and their no less evapathing daughters, to which, we doubt not, all goodlooking emprits will say Amen.

THE POWER OF A BUSHEL OF COALS.

It is well known to modern engineers that there is virtue in a bushel of coals properly consumed, to raise sev ni millions of pounds weight a foot high. This is actually the operage effect of an engine at this moment working at consider what this is equivilent to in matters of practice. The asees of Mount Blanc from the valley of Chairman is considered, and with justice, as the must foileome foul hat a strong man can execute in two days. The combusunit. The Mensi bridge, one of the most obspendens works above the sas. The combination of seven broketo of can would suffice to place it a bees it sange. I'be great pyla

ORIGIN OF THE CHURCH OF ENGLAND .- St Parl prosch-

ablished was senior to that of Rome; Linus, the first shop of the latter place, being appointed by the joint authority of Peter and Paul, in the year of their martyrdom, ther Paul's return from Britain. The Church in Britain continued to be governed by its own hisnops for 600 years. ndependent of any foreign church, and was found in that tate by Austin, the Pope's first missionary, at which time hey had schools and churches and a learned clergy; and were in a flourishing state, and refused subjection to the Pope or his emissaries. The British Church was the first Protestant Church in the world, having so early as the 7th century, and 900 years before Luther, strongly protested gainst he errors of the Church of Rome, and refused to hold communion with that Churche. Their simplicity are mily of worship was such that they would not sit even at the same table nor lodge under the same roof, with the followers of Austin, on account of their supersitious and dolatrous ceremonies. These facts are commended to the special notice of those who talk of the Church of England as commencing a "dubious existence in the reign may be advised, " Tarry at Jericho until your heards are grown." Do not refer to the "page of history" before you

YANKEE'S OUTDONE .- We thought the Down Easters coin into their pockets, but yesterday there came before our office a cu e specimen of a Yorkshire wanderer, bearing on his shoulders a mysterious load of staves, and lugging in one hand a chair without legs and a brass plate that might have been a copy of Achilles' shield. Selecting the in a twinkling, and lo! the staves became a strong derrick, whence sprung up a spring scale, and to that was attached awnly waan cent! Who's ready neaw?" Of course hand, and in the other held a card from which (as the scale weighed by the stone of 14 lbs. he calculated the "heft" LAW AND LADIES .- Justice is always represented as of his customers. "Alevan sawn!" "Nine stawn foir wearing tenule attire, and it has been proposed out West | pawnds!" and so on. After an hour's stay, he departed that members of the gentler sex should therefore administ with his pocket full of coppers, and a sly twinkle of the

> ADVANTAGE OF A DECISIVE ANSWER .- During the reign of Louis XI. of France, a gentleman applied to that monarch to be appointed to an office which had lately becom vacant. The King recemptorily refused his request; upon which the applicant in ably thanked him, and was about to retire, when Louis, who thought that he had misunderstood his answer, called him bock, and said, "Did you fully understand the answer I gave you just now?" Perfectly, sire; you refused my request," "Why, then, did you hank me?' inquired the King, "For having promptly re-used me," se urned the groweman, "and by encouraging in me no talse hopes, saving my time, and preventing me being bitterly disappointed at last." The King was so much pleased with this explanation, that he immediately hestewed on him the office he had just before requested in vain.

A FRIGHTYUL CONTINGENCY -A farmer from the neighbourhood of traiston took his wife to see the wonders of the microscrope, which happened to be exhibting in Kilnarnock. The vaccous enriouties seemed to please the good woman very well, will the unimalculæ contained in a drop of water came to be shown off. These seemed to poor Janet and so very pleasant a sight as the others. She sat patiently, however, till the "water tigers," magnified to the rize of twelve feet, appeared on the sheet, fighting with their usual forecity. Janet wiw pose in great terpidation, and oried to her busband, " For gudesake, come awa, John." "Sit etill, woman," said John, " and see the show." "See the show!--unde keep us a' man, what wad come o' un if the awfu'like brutes wad break out o' the vater?" - English Prper.

The Cuttotic Hierarchy in Bugland and Scotland numbers 680 chapols, bearings other stations where service is perto: med, 893 priests, 11 colleges, and 134 convents. Fifty-mie of the private engineed in England are Doctors of Divisity, and seventeen Emplish priests are residente in various secondaries abroad. This is a much larger times than nes supposed. In England and Wales the chipels ore 567, westland 93.

Two on Tan came some .- A learned elergyman of Maine was seconded in the following manner by an illitarate prescher and despised education.

" ris! you have been to college, I suppose?"

" You oir," was the roply.

"I om thankful," replied the former, "that the Lord has pened my mouth without any imming."

"A esseif p open," replied the latter, "took place in B las a's tipe. 6:st such things ere of rare occurrence at the meres ther."

There is a how down east who is accustomed to go out on a railroad track and unitage the steam whatle so perfeetly as to deceive the officer at the station. His last attentot prove entirently successful; the Jepot master came out and owitehed him off.

Francis .- "See here, my friend, you are drunk!" " Drunk? to be sure I am, and have been for the last hree years. You see, my brother and I are on a temperinco min-ion. He lectures, while I serve as a frightful example !"

"I feel the burden of age upon me," as the boy said when his grandfather made him carry him through the

It is said that words hurt nobody; nevertheless, Sampson