is never so happy as when he is making other people happy—when he is relieving pain, and gives pleasure to two or three, or more people don't time. Higher yet is he whose chief joy it s to (abour at great and eternal throughts, in which hes bound up the happiness of a whole nation, and, northaps a whole would, it a fature time, when he will be mouldern; in his grave. Any min who is expected it this joy, and, at the same time of the olding combot and pleasure among the few. who live around him is the mobiest human, being we can conceive of . Ho is also the happiest. It structure to the space to paint severes d and the great body of the Mexican cavilry, and these cultured as well as his power of sing pleasure. But what pains such a man is the size, and folly and misers of his follow men, and he have to the Russians—ever on the alert, never to be approximate and methods. knows that these most melt, as is hereafter in the light of the great ideas which he perceives to be for when plunder, no matter how trifling, as to in store for them, while his pleasure, being in the be altimed - | American Paper turn of a better infure is as youd and as sure as great thoughts are clear and eternal

TIMPERATURE OF THE INTERIOR OF THE FARTIL

The circumstance sof the earth's being finnened dit ough water is capilde of being compressed. may still to man enough to keep the unterior portions in the same state. The more this subject has little, or other means put in sidentroters motion to a expanded the more the evidence has non-will readily out off a file, a cutting tool or temperconticed in favor of the position that the temperature hereases as we descend below the surface -There are no aerous instances, in which we have to I (set feet. The general inference from all these observations, made in different parts of the ing to I degree of Fahrenheit for every 46 feet in depth. At 10 000 feet the heit would be suithcomposition of the globe. These facts and inferences have an important bearing upon the phono- flules may be instanty perforated through and gool ignt -Dr Lardner

THE TRANCHEROS OF MEXICO.

It will have been observed in the several statements that have from time to time been put forth, charcoal, from the fact that the two latter substanrelative to the material of the Mexican armies, the ces, although so different, and almost opposite in more particularly the one which the American physical characters, are according to unquestiontroops have just encountered, that mention is made of a description of troops styled Mancheros.

This is an appellation derived coin their occupations of the following experiment. Mr. Morveon exposed a financial installed in the matter parents. See, more especialclass of men who subset the pumpus of South he found the diamond entirely gone, and the iron around some enflecthouse or taxern. Amorica. Half Indian and half Spanish in their around converted into steel. This shows that it is extraction, gaunt, shrivelled, though muscular in pure carbon, which combines with iron to form their frames, and dark and swarthy visaged as pure beel, and not charcoal, which is generally they are, these men are the Arabaof the American an oxyde of carbon. The peruliar hardiness of continent. Living half of the time in the saddle steel is to be ascribed to its union with a portion for they are nurrealled horsemen with lasso in of pure carbon or diamond. It is no uncommon hand they traverse those vast plains in search of thing for Jewellers to expose such diamonds that the Buffalo and wild horse, who ream in countless are foul, to a strong beat, inshedded in charcoal, herds. The killing of these animals and the to render their clear; but in this process, great preparation and sale of their lides is their sole care is taken to have sufficient quantity of charments of livelihood, other than occasionally fend-ing a helping hand to some of the partizans in the the intense heat would produce combinion civil wars that are continually being waged around them. Their costume generally consist of a pair of sough hide leggins with saidals of the same diazether with leathern thanks, over boas which is a blanket with a hole in the centre large enough to allow the head to be thrust out, and which falls not ungracefully over their shoulders, leaving ample room for the play of their arms. Add to this a bread straw sombrers, and the lasso hanging ready for use in his girdle, and you have the Ranchern as he appears in the time of peace, or in the parent of his occupation. Join to this a long lance with a sharp spear head, ernamented with a strep of sed heating, on a horse to exvage and as ununnepeable as himself, and his belt plentilely emplied with pistele and knives, and you Lave the Ranchero as a member of a troop of tendition, or an a coldier in a body of curalry.-Covardit as they generally are in the open field,

yet in a conflict among the chapparels of Mexico. or in an ambuscade, they are indeed a formidable. There is one point, my daughter, which is too enemy. Their power of enduring fatigue is al. important to be omitted; I refer to the deportment most mexhaustible, and a scanty meal perdum of other sex. The importance of this, beth as it re-

control they would be rendered the best light troops in the world. These are the men who comprise ore to the Russians—ever on the alert, never to of every young gentleman with whom she asso-be surprised and untiring in the pursuit of the ciates, and that influence will be for good or evil,

Scientific.

UNPERIMENTS IN BLACKSMITHING.

Saving heated iron or steel is not known or it the poles and protuberent at the equator is forks or branches are to be formed from one thought of by black-miths, and when several the natural and necessary results of its rotation on stock, even if the branches are to remain eventuto a v but in or let that it night yield to the ally nearly in contact and parallel to each other force 1 self- 2 from such a motion, the motion of the usual method is to sold the end of the from with an awkward cold chief; thereby deforming win in this colon josed must have been soft. Now, the edge of each branch; on which account, the branches must be bent asunder for the purpose of and so fir as we can judge, of taking any degree. Intronering, shaping and squaring the end of each of density according to the force exerted upon after which they are brought together as well as it is the shape of the earth is not that which mot a deficiency in size and strength, near the would have resulted from such a mass of water. There may be particular postions of the sea that process, the iron when heated may be put into a There may be particular postions of the sea that process of the depth of several mass, as there are since and the colds may be readily split with a sixtend to the depth of several mass, as there are similable, saw, which would save much labour in particular points of the solid crust of continents harmering and thing. A saw for this purpose to this he git above the general level should be made thicker at the edge than at the 5: A believe if it too general depth of the ocean back, and with unitoric feeth about one twelfth of does not much exceed three thousand feet. It is dipped in water to prevent its becoming too much leaded. There is also a method of sawing or cutting hardened steel which is not so generally be able to be a feet or cutting hardened steel which is not so generally be able to be a feet or cutting hardened steel which is not so generally be able to be a feet or cutting hardened steel which is not so generally be able to be a feet or cutting hardened steel which is not so generally be able to be a feet or cutting hardened steel which is a feet of common to be a feet or cutting hardened steel which is a feet of common to be a feet or cutting hardened steel which is a feet of common to be a feet or cutting hardened steel which is not so generally the steel of the cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not so generally the steel or cutting hardened steel which is not known as should be. A circular piece of commun tom iron plate, or sheet iron, being adjusted to a ed steel spring, without drawing or reducing the There is much invoters in the effect of this buz, and its cutting property is attributed to electricity. It answers a very convenient purpose been able by no ins of natural or artificial exca-vations to obstrate to the depth of from 1.30 required to be astered without effecting their temper. It formshes a convenient included of cut ting teeth to large saws, but is objectionable on account of the newly cut surface being left so hard earth is that there is an increase of heat amount, that they cannot be readily filed by a common file Connected with the subject of my sterious effects, it may be stated that a bar of iron of almost any may be instantly sundered while her by the cient to boil water and at the depth of 100 miles, simple application of a piece of common roll or 1-40th part of the distance to the centre, the brunstone—A knowledge of this fact will be useful, when some piece of tron work is required to helt would be intense enough to melt most of the be severed, but which, as sometimes in the case. earths and stones that are known to enter into the is so constructed and situated that no ordinary chief or cutting tool can be brought to apply or plates of heated from by the application of mena of earthquakes and solcanoes, and open a pointed pieces of brinstone. This phenomenon wide field of specific ion to the natural historian actions, although it seldom affords much practical utility --{ Scentific Amer

THE DIAMOND.

Carbon is known by the names of diamond and

For the Ladies.

OH, NO-NOT EVEN LOVED.

(the no-not even when first we laved Were those as dear as now thou art, - beauty then my armes moved. t now thy vutues bland my b a was hat Passon's sole helere. pera turned to Remou's vow : And, though I then ought lave thee more, Trust me, I fere then better new.

though my beart in earlier youth Might kindle with more wild de alieve me, it has guined in truth chere me, it has gripped in truth Mach more than it has lost in fice. Much more than n are regiment core.
The flore now regime my inmest core.
That then but spatials o'er my brow,
and shough I seemed to lero the more, ed, though I exemed to jave the Yet, oh, I love the better now.

ADVICE TO A DAUGHTER

kerked beef and plaintain suffices them during specie vourself and others, you can scarcely estimate too highly. On one hand, it has much to do Such are the Rancheros, and under disciplined that any lack of prudence in this respect even for a single hour, may expose you to exils which no every leaste who has the least consideration may be expected to exert an influence on the character as she exhibits, or fails to exhibit a deportment which becomes her. So commanding is this influence. that it is safe to calculate upon the charicter of my community, from knowing the privi leged standard of female character; and that can scarcely be regarded as an exaggerated maxim. which declares that " women rule the world."

Let me counsel you, never to after an expre on, or do an act, which even looks like soliciting any gentleman's attention. Remember that every ression of civility, to be of any value must be perfectly voluntary, and any wish on your part, whether directly or indirectly expressed, to make sourself a fivorite, will be certain to awaken the disgust of all who know it. I would not recomreserve, but even this is put so infortunate an extreme as excessive forwardness. While you modestis accept any attention which propriets war-

on the other

Be not ambitious to be considered a belle oldoons than tine It is the fate of most belies, ! that they become foolishly vain, think of notting, and care for nothing beyond personal deplay; and not unfrequently sacrifice themselves in a made bargain, which involves their destines for life more of solid and enduring esteem you enjos the better; and you ought to gain whitever of this you can be honorable means, but to be admired excessed and flattered for mere acculental qualities, which involve nothing of intellectual (liberty to desire the good opinion of every gentles; kindles under the alter of Thermis man of your acquamtance; but it would be worse than folls in you to be ambitious of a blind admoration

Mothers' if you would train up your children to and ten more such any day be useful members of society, keep them from Bonnants once at a most of running about the streets. The great school of sire is the street. There the tireful learns the sulgar oath or the putrid obscently. For one lesson at the fireside he had a dozen in the kennel. Thus are scattered the seeds of falsehood, gambling, theft, and violence. Mothers, as you love your own fiesh and blood, make your children ching to the bearthstone. Love home yourself, sink the roots deep among your domestic treasures; set an example in this, as in all things which your off-pring may follow. It is a great error, that children may be left to run wild in street temptation for several years, and that it will then be time enough to break them in. This horrid mustake makes half the spendthrifts, thieves, and dronkards. No man would rause a colt or an Look at the matter parents' Sec, more especial tion and mode of life, and is common to a similar diamond to intense heat, shut up in a small civity. Is, that your children are not out at night, loitering

MARRIED OR UNMARRIED-GET MARRIED.

A European philosopher has furnished the world uting statutice, showing the ife the says among unnarwith some rath interhenefits of married life. He says among umnal ned men, at the ages of from thirty-tive to forty live, the average number of deaths are only eighteen. For forty-one nachelors who attain the are of forty, there are seventy-cight matried incu who do the same. As age advances, the difference becomes more straking. At sixty there are only twenty-two ministrod men slive for ninety-eight who have been marked. At seventy, there are who may ensure manuscript married men, at eighty there are mor married men for three single and the manuscript ment of the single ones. Nearly the same rule holds good in relation to the female sex. Married women at the age of thrity-six years longer: while for the unmarried, the expectation of life is only about thirty years. (If those who attain the age of forty-five, there are seventy-two married won indies. These data are the result of actual facts. by cheering the difference of longevity between d and the married.

PEMALE ADVENTURER IN INDIA.

The most remarkable circumstance that park In most, remarkan entremanine that parties ever one arrival of an European haly, descring and gaining unitiesty service under the Poench percentages by whose the due long known or 'Joseph European'. This ledy was the due of a suspapsible bursteer in Hadro. From or extraorlighty combination of circumstature, of

peculiar character of mind somewhat similar, perhaps, in that which led Lads Hester Staulio sire the title of Queen of Palmyra, Mrs Hall took the command of a battalion in the Nizam's service at Uvderabad, and finding reason to dislike her position, came to Poonsh intending to take multary service under the Pendiwa , but a Brahmin, whom she implicitly traced, prixing mi-worths of her confidence. Mrs. Ha'l caused him to be served and besten under which punishment subsequent caution could enable you effectivally subsequent caution could enable you effectivally subsequent in the other hand, the conduct of the was incareerated in one of the hill forts, near he died; and although her bie was spared, in con-Poonah, unt I shortly before her death. She was hand-one and conragious, and dressed in the Moslem tashion with full trousers, a flowing vest, basing a Damascus sword and plumed belinet, and was well spoken of and their I have never I have never heard of her having taken the field, but she was, no doubt fully capable of doing so, and would have perhaps been as useful in exceing the troops as Join of Area her sex and comage being well alculated to excite the supersitious reverence of the native soldiery - | Mrs. Postur's Cacts and

-- 0-HOPE AN ETERNAL PRINCIPLE.

Hope is the connecting link between the past and the future It is a constant propher, save that it always dresses out events to come in a gainly hue, which lade and blacken when the wheel of time brings us to the consummation. Were it not for this earnest of the future, this principle inrants, let there be no attempt at artial manuation | planted in the breast of man, he would have notice on one hand, or on taking a man's heart by storm ing for which to live-nothing to induce him to In. drag out a imserable existence. Never is hope so deed I had almost rather you would be considered, wild and magnitude and we may say decenful, anything else, which does not involve gross mural as in youth, -never so sober, so true, so stable. as in age

> Although hope is often delimine, yet in the greatest misers, the least flickering ray of sunshire perring into the caverus of the heart, review the drooping soul, and exeites action, as when some precious gent under the sun's beam flashes its radiance around the darkened cell, and springs 'into multiplied existence.

Hope is an eternal principle. Though in the or moral worth, ought to render any girl who is that strait, man never ceases to hope; when the subject of it, an object of pits. You are at spark of life departs, in thes heavenward and respark of life departs, in thes heavenward and re-

Scraps.

I will only add, that you ought so guard against the influence of flatters. Rely on it, the man who flatters you, whatever he may profess, is not your friend. It were a much kinder office, and a real mark of friendship to admonstship you tenderly, yet honesity, of your faults. It is not your fall the to flattery you have placed yours sold a little to flattery you have placed yourself and interest by the hand and stopped to converse. A young fadmourgh blood took the poet to task for this defect of taste. "Why you faultsine gomestelf you are not unprobably undone.—[Sprague of the seas that was in them; and the man to but the seas that was in them; and the man sir, for true worth, would weigh down you and

> Bonaparte once at a party placed bimself directly before a witty and beautiful lady, and said very abruptly. "Madam, I don't like that women should incedie with politics." "You are very "right, General," she replied: but in a country of the count where women are believeded, it is natural they should desire to know the reason."

> A cobler, in his stall, offended a gentleman who "Sirrah," said the gentleman, was passing by "you are a raserl, and if you come out I will give you a kirk " "Thank you," said the coller, "! you would give me two, I would not come out."

> eric Wire-In the township of New Milford. Ct. is a sandy plain, called on account of its barrenness, by the expressive name of Pinch Back plain. Through the plain runs a stream, and on the Stream one Soloman full had erected a trill for grouding corn. But by one of those inducky chances by which the best human calculations are disappointed, the faithless stream changed its course, so that poor Solomon's mill was left more than a nule from any water. The circumstance afforded an opportunity to some housands exit to display his humor, and at the same time give the works a specimen of his talent at port-try The following was found written with chalk over the null door:

" Solomen Hill be built a mill On Peach Back sandy plain, There was no water in a mile and a quarter. l'uleuthern came a rain.

"Well, my lad that is small corn you are a peng," "Yes," and the boy, while he community." hoeing." "Ye hoeing." "Yes, said the boy, while he could his labor, "we planted small corn." "E looks rather yellow." "Yes, sir: we planted yellow kind," returned the boy. "But I do believe you will have more than half a crop huted small corn." d' But it "Yes, sir; we planted the rd the boy "But I do not " No, air: we planted on chares," halloord the younguier, as the traveller rude away.

Ser Henry Wotfon heing asked if he thought a papiet could be saved: "You may be saved," re-plied he, "without knowing that." An excellent wer in the on across of imperiment extremity

Industries Depute A soldier on trial for abitual drumbeness, was addressed by the president; "Prisoner, you have heard the preserved for habitual drausheamon, what have you to in your defence?" "Nothing please your has but habitual thirst."

Capparty to Contagn.--"Jim, does your settle ever stell you !"
"No-consulting wants than that."

"No-consthing were then that."

"Does the ever whip you Jim !"

"No, zever whips me, but washe every merning!" n my han

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