Scientific.

THE LAWS OF MEALTH.

PLEASANT OCCUPATION, AND THE POWER OF MOTIVE.

Many persons of both sexes, but particularly females, suffer for want of steady employment. One of the most useful rules concerning health is. "keep constantly employed." It is not necessary to work to excess; such a thing is possible, but not very common.

In order, however, to reap the full healthful benefit of acting, we must have elevated motives. A person who only works because he must work, will not grow very largely in health and vigor. He may avoid sickness, and that is nearly all; but having an important end in view he not only receives benefit from the proper exercise of bone and mascle, and the proper agitation of the internal organs, but gains much in addition from the stimulus and pleasure of expectation. An individual is much less fatigued by performing labour which pleases him, than by performing the same amount of labour in which he takes no sort of interest.

Now there is a large portion of mankind who suffer from a want of pleasant and powerful motives to activity. This, as we have labor without motives, at least with feeble mohouse at Gaza, they work because they are is enhanced by its simplicity, and it certainly he must otherwise do blindly, or call in the season. compelled. Such exercise does little good, deserves a fair trial by the profession. and often more harm than good. On this account they have less of constitutional vigor, A Simple Cure for Dysentery, which has never ery. and less health. They may have activity and sprightliness of body and mind, but these are by no means incompatible with a feeble constitution. One reason why the conjugal state is in many cases more healthy than celibacy, is because the former, notwithstanding its numerous trials and perplexities, which inflict ately after being churned, just as it is, without oxyde constitutes nearly one half of the solid much wear and tear upon the human constitu- being salted or washed; clarify it over the matter of our globe. It is the principle eleis not task work.

cerned, is better than no motive at all. The love within the day. This has never failed to el- Pebbles are fragments of quartz, rounded by nefits which accrue to industry are gained death, it has given instant relief." when theylabor from mere habit, feeling neither pain or fatigue. It is indeed better for the creature of habit-who is little better than wise; man is intended to be a creature of a weak solution of tincture of galls (four of quartz.

New Remedy for Short-Sightedness. Dr. Turnbull is the inventor of a new remeoften partially close their eyelids, in order to ing the floor boards, &c. The great feature make distant objects more clearly perceptible. gained is, that gutta percha not only fills up to roflect on the physiology of the case; and unites the whole.- The Builder. as the iris, in such instances, is more or less unusually dilated, it occurred to him that any medicinal agent that would act upon the iris so as to cause it to contract, would correct the defect. He also naturally enough reflected, that as the cause of short-sightedness depends thus bring distant objects within its range.-

Failed.

We insert the following from the Caledonian Mercury, a standard Eduburgh paper, which does not publish trumpery. The plan is simple, and easy enough of trial :---

" Take some butter off the churn immedi-

To Make Indelible lnk.

Use of Gatta Percha in House Repairs.

Hitherto the remedy to make good defects

This article is now extensively used for some of which are much used for watch seals,

been said of making good the space between in a tumbler some strong vinegar. An efferthe floor boards will equally apply to all joiner's vescence will follow, producing a carbonic dy for short-sightedness, an imperfect condi- work, as in the panels of doors, and a shake in acid. A burning candle immersed will be tion of vision which is one of the " class dis- them has hitherto been without any effectual extinguished, showing that carbonic acid is eases" of civilized society. We have all of us remedy. Also to the skirting running round fatal to combustion. It is equally so to life .-probably noticed that short-sighted people very the rooms, which is so often to be found leav- National Intelligencer.

The doctor, in making this observation, began the space, but at the same time hardens and

The Farm.

FARMERS' SUNS.

Anvil, thinks that "farmers' sons should at present season had but little sunshine on it beon the convexity of the cornea, as well as on tend at least one course of lectures in a Medi- fore it was cut; there were several weeks tracting the iris would be to extend the axis and arduous duties of farming on their own menced; of course it was very deficient in of vision, thereby diminishing apparently the responsibility." By this means they will be sweetness and nutrition. And a large part of convexity of the cornea; the effect of which able to gain such scientific knowledge that the grass that was cut late had but little sunmust be to make the rays of light pass in a di- will be of the greatest service in after life .- shine on it after it was cut, and a great deal rect line through an approaching plane, and For to be a successful farmer some knowledge of it was poorly made, or injured by storms.

aid of some ignorant pretender whose whole skill resides chiefly in his unblushing effront-

Agricultural Geology. BY JOSIAH HOLBROOK.

Rocks are the oxydes of metals. Silex, the most abundant ingredient in rocks, mountains and soils, is the oxyde of silecium. This

tion, is accompanied by the stimulus of ex- fire like honey. Skim off all the milky parti- ment of quartz, in all its varieties, which are The love of gain,, so far as health, is con- of the clarified remainder twice or thrice everywhere. Sand is pulverized quartz .---

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is clouded quartz, on numerous varieties, produce except by the use of the carrot.

To those keeping horses who do not raise a machine-that there be no friction, no marking linen. The shopman's price is finger rings, breastpins, and other ornaments. their own carrots, we would bint that now is mental opposition, but to expect much im- usually two shillings per bottle; but those who Cornelian is quartz of a fine texture and of a the time to produce a supply, while they are provement is useless. It is not enough that wish to use it can manufacture it much cheap-there be no deterioration by friction or other-er. To two drachms of nitrate of silver, add catseye, and many other gems are varieties horse would be sufficient. They should be buried in the usual way, and taken out, a Most, perhaps all, the gems used in the bushel at a time, as they may be wanted .-breast plate of Aaron, the high priest, were They will in this way keep plump and fresh as quartz of different textures, colors, and hues. on the day they were taken fresh from the The precious stones presented by the Queen field .- Girmantown Telegraph. of Sheba, to the King of Israel were probably quartz. The stones mentioned in the book of DUTCH METHOD OF MAKING BUTTER. Revelations as forming the streets of the New After having milked their cows, the Dutch-But there is a smaller number still who must first be dipped in a solution of one ounce but varieties of the stones used for paving our leave the milk to get quite cold before they street, and of the earth moved by the plough put it in the pans. When placed there in, they more than four hours. Then they stir it to-The colouring matter giving most of the gether more intimately, to combine the milk. beautiful hues to gems, and an endless variety and cream, and continue thus to do at least of colors to quartz, is the oxyde of iron. The two or three times a day. If it be agitated in oxyde of silecium and the oxyde of iron are this manner, as occasionally happens, till the hence united in this same most abundant min- whole be quite thick, the butter thus obtained is the most highly esteemed. 'As soon as it eral in the world. Next to quartz, feldspar, or clay, formed by acquires the usual consistency, it is churned the decomposition of feldspar, is the most commonly about an hour till the batter begins abundant element of soils. This, too, is com- to form ; cold water is then added, proportionis it waterproof. I propose that gutta percha posed of several oxydes of metals in chemical ed to the quantity of milk, for the purpose of motives, are found to possess the most mental be used. Thus: warm the gutta percha till it combination. Feldspar is also very extensive- facilitating the separation of the buttermilk. becomes glutinous, then with a heated iron or ly united with quartz in the formation of rocks, The butter being properly come, it is taken. not by chemical combination, but mechanical from the churn, and repeatedly washed and mixture. The feldspar and the quartz can be kneaded in fresh water, till the buttermilk is all separated by the hammer. Not so with the expressed, and it no longer retains any tinge all to labor either with the hands or the brain ; surface becomes as one board, the great merit oxygen and silecium, forming silex. Chemi- of white. By this simple method not only far cal agency alone can separate chemical com- more butter is made from the same quantity of scarcely deserves a better name) drags out an lution or cement to make the gatta percha binations. Such combinations in rocks, soils, milk than in any other way, but the butter existence which it were difficult to say is most unite to the wood-work, as is the case when and other mineral bodies are exceedingly nu-litself is firmer, sweeter, and continues longer merous, complicated and delicate. The most fresh than the generality of butter; while the common stone that meets the eye in any part buttermilk is infinitely more agreeable to the of the world is composed of two-oxydes. The palate.-Blake's Every Day Book for Faroxygen and the metals are each united by mers. chemical affinity, and then the two oxydes are GOOD REMEDIES. again combined by the same agency to form a "common stone," evidently worthy of more re- For drunkenness, drink cold water; for health, rise early; to be happy, be honest; to-An experiment : Pour upon a little peerlash please all, mind your own business.

Keep not loo much Stock.

It is frequently a great error in farmers to winter, or attempt to winter, too much stock. When we have large crops of hay, it does not spend so well as usual, and one is very liable to be deceived as to his means of wintering stock. There is but very little old hay in New

A writer in the Plough, the Loom and the England, and much of the large crop of the the convexity of the lens, the effect of con- cal School, before they begin the responsible mostly cloudy weather just before having com-

of Chemistry is necessary-and in the rearing When there is a very large crop of hay, it The truth of this theory was established by the of animals occasions often occur in which the is not good economy to keep animals enough result. The doctor found that the tincture of knowledge of Anatomy, Physiology and Sur- to consume the whole the first winter, for a ginger and the tincture of pepper, made of a gery, which could be obtained from a single scarcity of hay often follows, which, occurring cert in strength, and rubbed over the fore- course of medical instruction, would be the when there is a great amount of stock in the head according to his directions, produced means of saving the life of many valuable ani- country, must reduce it to very low prices. contraction of the iris; and after this has been mals. We think the suggestion is a good one. In this respect, every individual must judge applied, and the plan of treatment he describes for we know of no other occupation in which and act for themselves; and we throw out females, than with males. The former often pletely overcome the interestion and the find of professional transition of these hints for reflection, for we frequently pletely overcome the imperfection, and been this kind of professional knowledge. The in-hear of cattle dying of starvation in the spring, enabled to lay permanently aside their concave telligent farmer would thus be enabled to per- or suffering so much from short allowance tives. Like Samson grinding in the prison glasses. The value of this discovery is great. form understandingly many operations which that they are but very little profit the coming

> At the present time, stock is in good demand, and one who has a surplus of animals, can reduce them to a suitable number for wintering without sacrifice. Those who attempt to winter too much stock, depending on buying hay, often find, late in winter and spring, that many are in the same situation : and it is truly one in which misery does not love company .- New England Farmer.

CARROTS FOR HORSES.

pectancy, and of clevated motives. Its work cles when melted over a clear fire. Let the exceedingly numerous, and some of them very quainted with the great nutritive qualities of It is admitted by every one who is at all acpatient (if an aduit) take two table spoonfuls beautiful. Quartz is the only mineral found the carrot, that as a winter food for horses, to use in small quantities daily-say half a peck to each horse-with their dry food, and espeof pleasure, if we can get no higher motive for fect a cure, and in many cases it has been al- attrition. Gunflint is quartz, breaking with cially in the absence of green provender-it is exertion, is more beneficial than compulsory most instantaneous. It has already succeeded a conchoidal (shell-like) fracture. Jasper is of the utmost value. It not only possesses labor; better, even, than laboring from mere in nearly one hundred trials, and to many who red quartz, with a fine compact texture. Ame- fattening qualities equal to oats-taking bushhabit. It is supposed by some that all the be- were supposed to have been at the point of thyst is purple quartz, frequently found in six- el for bushel-but it secures to the horse in the point of the secure secure secures to the horse in the secure secu sided crystals, which is the common shape of the winter season, fine health, a loose skin and quartz crystals in its different varieties. Agate a glossy coat of hair, which it is impossible to

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progress. pers' This agent of Decision of a self underst, a last drachms.) and mix them thoroughly by shak-The desire of pleasing others, or the love ing. This is an indelible fluid, and withstands of reputation is a higher motive than either of the effects, combined or separate, of heat and those I have named ; and therfore more bene- suds. Another recipe is-nitrate of silver, ficial. Under its influence the feeble grow one drachm : purest gum arabic, half an ounce, strong, and the strong attain to a higher de- dissolved in half a pint of purest rain water, gree of health. Some are industrious from caught in a perfectly clean vessel, in the open this motive, whom no other motive can reach. air. To write legibly with this ink, the cloth Jerusalem, with all the genis referred to, were

reap the blessings which God, in his provi-lof salt of tartar, in an ounce and a half of wadence, has appended to incessant activity, be- ter, and exposed to the sun until perfectly dry, and the los of the farmer, and of the dirt carted do not permit it to stand for the cream to rise cause they have regarded in every movement, before the ink is applied. Nitrate of silver for filling our docks. His holy will and pleasure. This desire of may be made by putting silver into nitric acid pleasing God by industry is the highest mo- (acquafortis) by which it is dissolved.

tive to exertion which can be conceived. In does not necessarily exclude the love of man and the desire of securing his approbation; nor does it entirely exclude the love of pleaoccasioned by shrinking, &c., has been to put sure and of gain; it simply holds these lower in between the joints slips of wood, putty, &c.; motives in subordination, if not in abevance. but this cannot be depended upon, as in case They who are in continual activity, because of further sinking it drops through-neither they are under the full influence of all these and bodily health and vigor.

But the worst condition of humanity, in chisel point all along the joint, and it will be male or female form-I speak still with regard found that the adhesiveness of gutta percha is to health-is found were there is no motive at such, after two or three minutes, that the whole so that the miserable lump of earth (for it being that there is no occasion to use any soblameable or pitable. Alas, how many thou-applied to leather and other purposes; but s ind of females never enjoy high health for a there exists such an affinity between the two, moment of their lives for this reason that they that, for example, supposing a hole six inches never have enough of active, pleasant em- square were cut in the flooring, with nothing ployment with sufficient motive to keep their underneath for support, and to make good the thoughts from preying upon themselves. But same a new piece were let in, well set all the subject is too vast for a single column of a round in gutta percha, it will so unite with newspaper. It deserves a volume .- Watch the boards, as to enable that portion to bear speet than it commonly receives. nan & Reflector. as great weight as any other part. What has