Scientific.

India Rubber for Keeping Water Pure.

that it may at all times be potable, which may first taken from the earth. This is an ano-ofrespiration. be of service to future travellers circumstanc- maly in the action of cold, which may also be ed as we have been in tropical regions where true when applied to other vegetables, of which no water is to be found, and that important we are not advised; but it is a fact worth element is necessarily carried from one ex-knowing, as it may on some occasions meet is the withdrawal of its oxygen; and as the treme point of country to another. On leav- the necessities of almost any family-especi- proportion of this life-sustaining element de- ganic substance is capable of being converting Cairo to ascend the River Nile, last au- ally in those flat countries where cellars are creases, the bodily powers become less and ed into manure, and increasing the productumn, about 2 gallons of riverwater was put difficult of construction .- Rural New Yorker. less active, simply from want of their proper tions of the earth for the benefit of the wholeinto an India rubber bag, securely corked and placed in the hot sun, on the deck of the boat. On reaching the first cataract-the labor of some weeks-the water was found to esting experiment has been lately performed duction in this amount, however slight, must be excellent, there being no escape of gas on at the Hotel Dieu of Lyons. A female was be attended by a corresponding depression of or working, as the sailors term the process, had taken place. It was kept in the same exposed condition all the way down that remarkable stream, and at the end of six weeks had the other physicians, as affording no chance these forces is disturbed, the vital machine concerned, I agree with the writer, but if in the desert, in a few days, besides assuming the tube was then fitted to the syringe, which finement and civilization. the color of a pale decoction of coffee. Now was enveloped in warm towels, and in which this is a simple statement of the difference of was the necessary quantity of purchumanblood. the quality of the water in the two receptacles; The operator then gently forced into the veins and is it not obvious that the India rubber of the dying woman the revivifying fluid, At possesses manifest advantages over the other ? this moment, "as she afterwards declared, she Whether the preservation of the water was felt a greatful warmth spread ouer her bidy, of fertility to the soil may be termed a manure, ered there, was something the matter with my

ted by travellers-the changes wrought on the active vitality, as from vitality too much exwater in a short time are analogous to those hausted and enfeebled. But a calming pobrought about in water tanks at sea. It would tion soon diminished this unnatural action, by air, facilitated no doudt by the azotised mat- or more, he continued in this manner, before be worth while to send a supply of the India and the patient has since been regularly im- ters of the sap, which impart the putrefactive I ascertained what ailed him. I tried various nubber water begs to Cairo, Alexandria, and proving. The last intelligence from Lyons tendency, reducing the fibrous organism to remedies for humors in the blood; bled him other starting points, if the natives had the states that it is now hardly possible that a remeans of purchasing them; but at the usual high lapse can occur, and that the cure may be set prices of India rubber goods in their country, down as complete. it would be literrally impossible for the nomadic wanderers, who have but little money, to. buy them. There is no valid reason why these articles should be so insufferably dear. A little more rivalry would perhaps bring prices to a comeatable standard.

frozen, and instantly put into cold water does confusion of the mind, confusion of ideas, drow-plaster standing in your stable; with which not recover, but is totaily changed and be- siness, want of muscular power, pains in the you daily sprinkle the floor, and thus absorb comes a flaccid sack of unsavory, gummy mat- chest, and a tendency to fainting. The se- the ammonia which is so offensive, and would The following account of the use of India ter, of a very disagreeable odor; its original cretions are scanty, or totally suppressed, and otherwise escape and be lost? That old greasy Rubber for this purpose is from the Boston properties entirely changed and lost; but it all the powers of the individual become pros-Medical and Surgical Journal: coat, hat, and boots, which I saw last week dis-figuring the landscape near your house, where

Transfusing of Blood.

Physiological Facts.

The average height of man and woman, at tened or mixed with animal matters, as when nearly the same condition with his tail-his

It occurs to us to mention a kind of discov- by one into water constantly boiling, they are rise and fail in quick response to all the wari- they have dangled as a seare-crow ever since ery in regard to the preservation of water, so in no way affected, and are as edible as when ations which take place in the vital medium last spring, would make more corn than they

Oxygen Removed from the Air by Breathing.

The first effect of respiration upon the air valuable manure. stimulus. The natural proportion of oxygen human family.

in pure air being adapted to the most perfect The French papers state that a very inter-performance of the animal machinery, a renent, inevitable. Doctor Delorme suggested pends upon the harmonious and balanced play the fowls to scratch and work over, transfusion. This was at first combated by of opposing forces. If the equilibrium of

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What is Manure ?.

due to the utter exclusion of atmospheric air, without having the reasoning faculty strong and in the language of Prof. Norton, "may horse. He showed a disposition to rub and or the influence exerted upon it by the materi- enough to trace it to any cause. Soon after, be divided into two classes-organic and inor- bite himself, but for a long time I paid little al itself remains to be ascertained. The pe- she recovered, in a great degree, her senses ganic; organic when derived from the remains regard to it, thinking he would soon get over culiar turpentine smell was occasionally rath- and eyesight. A few hours later, a reaction of organized beings, as plants and animals; it; but it seemed to increase upon him. I or strong, under an Asiatic sun, yet the taste manifested itself so violently, that the physi-inorganic, when produced from the mineral could fit up no stall or partition of sufficient cians were seriouly alarmed. It seemed as if kingdoin. Vegetable differs much in its ac-strength to resist his efforts. I could leave In wooden casks another method was adop- death might result as well from too much, too tion from animal matter. Green vegetables, him no where unhitched, and if I hitched him when deprived of vitality, rapidly decay; their he would soon break loose, and get to some great succulency promotes this when assisted place where he could rub. For six months carbonic acid, water, and ammonia; at the copiously-drenched him with physic till he same time liberating its earthy and, saline in- could hardly stand, and all to no effect. He

saved, if you had used them as a manure. For the same purpose, we beg of you to save the blood and bristles of your butchering-it is a

Finally, bear in mind that almost every or-

Poultry Houses near Horse Stables.

I noticed in a late numbe: of the Rural, in withdrawing the cork, nor any degree of odor, brought into the hospital, who had been seiz- the vital energies. We have seen enough of that a writer reccommends building hen ed with violent bæmorrhage. Her condition what takes place within the bodily organism houses behind, or adjoining horse stables, in seemed desperate. Death appeared immi- to understand that the condition of health de- order that the manure might be thrown in for

Now, so far as throwing in the manure is. apparently undergone no change whatever. of success, but was finally assented to, as, the goes wrong; it is an unnatural, a deseased state. farmers or fowl fanciers wish to rid themsel-One week after, an expedition was started to case being a desperate one, it could do no A slight diminution in the proportion of res- ves or their horses of an almost everlasting the desert, and at the horn of a camel's saddle, harm, even if it did no good. One of the young pired oxygen does not produce any immediate pest, by all means let them keep their hen water in the same bag was suspended in a aspirants, residing in the hospital, offered to or palpable malady, but it certainly disor-roosts away from behind or adjoining the travelling sack, twenty-one days, under the furnish the blood necessary to the operation. ders the natural, healthful operations of the horses stable. I can speak from experencedirect rays of the sun. From time to time, A syringe was immersed in warm water, and system to a greater or less extent, and thus in this matter; and there are those about here as inclination or necessity prometed, a swallow kept there till it became of a temperature a lays it open to the assaults of disease. It un- of my acquaintance, who can bear testimony of the precious fluid was taken, and it was little higher than that of blood in circulation. doubtedly prepares the soil, and sows the seed, to what I have stated. Yes keep your hen really delicious. Water carried in the whole The proper vein in the arm of the sufferer was which in due time, springs up into that lux-houses a proper distance from your horse skin of an animal, in the ordinary manner, then opened, and a fine canula or tube was uriant harvest of ailments and complaints stables. And for the benefit of those who for general use, became excessively offensive, intreduced to some length. The other end of which is reaped by the victims of modern re- desire it, I will briefly give my reasons for making the statement.

During the early part of my keeping fowls, I had their roosting place adjoining the stall where I kept my horse, with a partition be-tween. I think it was the second year after Any substance which restores the elements I kept my hens in this manner, that I discov-

gredients. Dry vegetables decay slowly— the sap being dried up is less inclined to pe-trify; but how soon it commences when mois-behold. He was minus his mane, and was in.

Heat and Cold.

. Bieberiles

The effects of cold on Wine and Vinegar-

birth, is generally sixteen inches. In each of straw is employed as litter ! Peat is a vege-sides lacerated and naked in consequence of the twelve years after birth, one-twelfth is table manure in which decomposition is check- his continual rubbing and biting. At last added to the stature each year. Between the ed, not only by antiseptic matters, but chief- the thought struck me that the animal might ages of twelve and twenty the growth of the ly by excessive moisture, and the consequent be lousy-and on close examination, I found body is slower; and it is still further diminished exclusion of air. Yet, when dried, and mixed he was literally covered with small hen lice,

after this, up to twenty-five, the period of a with animal manures or caustic lime, how and they adhered so closely to the skin, that On Seeds of Fruits and Trees-On certain maximum growth. "In old age, the height speedily it moulders down ! The principal it was almost impossible to comb out one with Vegetables-Peculiar effects on the Potato of woman average of about three inches. The supply of vegetables for manure is derived a fine comb. I now changed my course of average weight of a male infant is about seven from the leaves and stems of grain crops, doctoring, and by dint of perseverance-by

Cold is supposed to be a negative property pounds; of a female, abut six and a half pounds. grasses, the collection of weeds, the consump- the application of various remedies for the cure -the absence of heat-and the terms heat The weight of an infant decreases for a few tion of green crops, and, in some cases, of the of lice, in the course of six or eight weeks. I and cold are only relative, as compared with days after its birth, and it does not sensibly seeds of plants. Seeds of plants are not di- succeeded in effecting a perfect and latting the sensations of animal heat; yet cold has commence gaining until it is a week old. At rectly used as manures, being too valuable as cure. some singular effects upon vegetable matter the end of the first year, the child is three times an article of food. Seeds contain the richest The first thing I did-after this was to re-

and fluid compounds. The peculiar proper- as heavy as when it was born. At the age of elements for fertilization-the phosphates and move my hen roost, and scald and whitewash ties of wines and vinegar, are destroyed by seven years, it is twice as heavy as when a nitrogenous products ; hence the rich manure my horse stable. I have not been troubled with freezing, as are many other articles. Many year old. The average weight of both sexes obtained from cattle fed on oilcake of Linseed ben lice getting on my borse since. I have of the seeds of fruit and forest trees, will not at twelve is nearly the same; after that period, grain. The refuse of some seeds is used for heard of similar cases where horses have been vegetate until they have undergone the action females will be found to weigh less than males. manure, as barn, rape-cake; malt-dust, &c." afflicted in the same way; hence I conceive its of irost, while the seeds of the locust and a va- The average weight of men is one hundred -Green vegetables are sometimes used as a to be the safest way not to build a hea house riety of others, will not grow the first year and thirty pounds, and of woman one hundred cheap method of fertilizing the soil, either upon behind the horse stable. they are planted, notwithstanding they are ex-posed to cold, unless they are scalded. All uals of both sexes, under four feet four, in-another field.

of these peculiarities may be owing to some thes, females are somewhat heavier than men, In this country, the principal green crop used has become lousy from the same cause, I shall

mechanical effect, rather to any radical change and vice versa. Men attain their maximum for manure is clover. The waste of substances be happy to inform him how they may be on the chemical decomposition or composi- weight at about forty and women at or near which would form valuable manure, if saved destroyed .- Rural New Yorker. tion of its constituents. Many regetables may fifty. At sixty both sexes usually commence and composted, upon many farms, and by be entirely frozen, and if the temperature is losing weight, so that the average weight of saving, economical farmers, too, would make raised slowly under water, or even in an air- old persons, men or women, is nearly the same them open their eyes with astonishment if tight vessel, no change can be discovered. A as at nineteen."

singular change takes place in, freezing the pumpkin. The saccharine principle is so Physiological Effect of Breathing Rarified Air. mer, who has all his life time suaffed the gether the most singular, and we began this balloons to the higher regions of the atmos- How may of you, my readers, at this mo-

developed, that the concentrated juice is a When the quantity of air received into the tainted air of the privy, which has diffused its very fair molasses, and as such, was extensive- lungs is unduly diminished-when a rarified fetilizing gases abroad upon the air, instead ly used during the revolution. The effect of atmosphere is breathed, either in a direct ex- of applying its substance as a manure upon both heat and cold upon the potato is alto- periment or by those who have ascended in his growing crops.

phere-we have an exactly, opposite train of ment are complaining of short crops, and yet sell what you cannot spare. The potato contains a great deal of body- symptoms to those described in the former ca- have piles of stable manure lying exposed to of positive animal nutriment, composed, like ses. The breathing is difficult, feeble, fre- the bleaching effects of winter rain, or under the breadstuffs, of farina-starch and gluten, quent, and terminates in asthmatic paroxysms. the evaporating power of a scorching sun ?

they could, only see the truth. We know many a careful, yet stingy New Eugland far-

and a large portion of water. A potato, if There is headache, depression of the mind, How many of you have a barrel of ground who goes and comes.

It is said the man who first introduced a fanning mill into Scotland was denounced as an atheist, for getting up a gale of wind when Providence intended a calm. It is also said that the man who first introduced steam, into boats as a propelling power, was looked upon, as a fit subject for an asylum.

Buy what you do not want, and you will.

The master's eye makes-the horse fat. Gossiping and lying go hand-in-hand. He who remains in the mill grinds, not he