The Christian Disitor.

a new protest of a living Protestantism against keep my food and medicine separate." the presumptuous edict that calls her dead, in the murderous hope of burying her alive !-Dr. Williams.

Scientific.

Soca, and Cremor-Tartar Bread.

of the matter :

"MR. EDITOR,-In reply to the questions months before the discovery is ready for the proposed to me in your paper of 20th inst., I public. Mr. Hill in order to show that he can would state, that super-carbonate (bi-carbon- produce more than one colour at once on a ate) of soda is not considered in any way in-plate, says he has produced several portraits, jurious to the human stomach, provided it is one of a labouring man, with a sun-burnt face, not taken in extravagant doses, or too frequent- very red cheeks and lips, blue eyes, auburn It is obvious that it might prove injurious hair, the cravat red and blue; all the above 18.122 it too frequently taken, and it is not improba- colours are developed with truthfulness. A ble that long-continued and large doses would collection of small paints, red, yellow, blue, altimately produce scurvy, a disease of the and combinations of these, forming seven blood, such as I have known to result from shades of red, as many of yellow, three of making too free use of pearlash and salæratus blue, five of green, three tints of purple, makwater, but it is not probable that any one. un- ing in all twenty-eight hues, all of which he less affected with a morbid taste, would be has on his plate to the very tint, except the cently come to my knowledge, which well il- cies of grafting is recommended. My melikely to induige to excess in drinking this al- chrome yellow, a colour which he has the most lustrates the advantages of knowing something thod is to take scions 3 or 4 inches long, and kaline solution. Small quantities of bi-carbe- difficulty with, but which he thinks he can on this subject. In the spring of 1846, a Mr. cut them splicewise, about an inch and a half, nate of soda act beneficially in correcting or overcome. The discovery, if it should turn W. was engaged in grafting apple-trees in va- cutting the stock in the same manner, then neutralizing the acidity of an overcharged sto- out as stated, is a very interesting and impor- rious parts of Rockingham county; and among "round out" the scion before applying it to mach, and in cases where acidity has been pro- tant one. We are assured by a gentleman of the rest, grafted enough to amount to about the stock, so that the bark shall be prominent, duced by eating food, which; not digesting, this city, who has seen the specimens, that the twelve dollars, for Mr. R. of Braintree, upon in order that the sap shall "meet," carefully forms vinegar, such as sweet things, vegetable discovery is genuine, and that colours taken an old orchard of natural fruit consisting of placing it right on one side, the other coming food, &c.

It also appears that bi-carbonate of soda aids ited in nature. He says nothing can exceed rather extravagant to expend so much in an or wicking with one hand, while the scion is in the formation of a more liquid bile, and the beauty and perfection of those colored im- experiment so hopeless, and W. finally propo- kept in place by the other, applying grafting thus removes biliary obstructions or thickened pressions -Boston Paper.

bile from the gall bladder, for the bile is a sort of soda soap, and is the natural corrective of acid ingesta in the first, intestine, the duode- Whipple, the distinguished daguerreotypist, pay one half the fruit that should grow on his one. It should be borne in mind, that this num; and is necessary in the preparation of the has succeeded, with the aid of Mr. Bond, the grafts during the next twelve years, and R. mode is confined to small trees, one or two chyle or first formed or white blood. Soda is Cambridge astronomer, in taking views of the should cultivate the land among them, for his years old, from one-fourth to three-eighths of one of the most common bases of the salts ex- surface of the moon, as it appears through the own profit. This was considered a very libe- an inch in diameter; when they are half an isting in the human body, and in proportions, great telescope at the Observatory. We have ral proposition, and at once accepted, and the inch through, the common mode is most proit cannot be injurious. It is maintained by seen two daguerreotypes representing the contract was reduced to writing, and execu-per. Duma and other French chemists, and physi- moon as it appeared on Monday and Thurs- ted. I happened to be at Brentwood during elogists, that the soda of the bile is mostly de- day nights. The mountains and valleys of the past autumn, just after W. had called for bile. It is evident that soda, furnished from tronomer.-Boston Journal. other sources, will serve a similar purpose in

God and man, the one, and the sufficient, and ed starch and unaltered gluten. Of course then add the remainder of the material. When the only Mediator-every Protestant Bible such bread is very objectionable, though it is this is done, crumble and spread the whiting sent on its glad errand-is a new triumph-is not poisonous, and for my own part I prefer to on the surface of the fluid, in which it will gra- of the morrow, a little more faith in what a

> RECTYPES .- The last number of the Daguer- fancy. It must be put on with a paint brush, and a tree there-send or go to your neighrean Journal printed in New York contains and when dry, a second coat should be given. bor's orchard and clip a bud or a shoot, and another communication from Mr. Hill, rela- The quantity named is sufficient for twenty- insert one in every stock that does not aiready tive to his discovery of producing a variety of five square yards .- Albany Cultivator.

tints of colors in the same plate. The editor We find in the Transcript the following in prefacing the letter says the views of land. communication on BREAD, over the initials of scapes by this process are unequalled; the C. T. J., which are supposed to be those of a flower garden with all its variety of blooming well-known chemist. It is therefore worthy flowers can be imprinted with a degree of exof attention, and it agrees with our own view actness and brilliancy which no imagination

can comprehend. It will probably be six

dually sink. It must then be well stirred, or day or a year may bring forth, would surground, as any other paint. By the addition round every house in the country with shady THE HILLOTYPE DISCOVERY IN DAGUER- of any coloring matter, you make it suit your groves, and fruitful yards. Plant a vine here,

> MAKE YOUR OWN CANDLES.-Take twelve ounces of alum for every ten pounds of tallow dissolve it in water before the tallow is put in and then melt the tallow in the alum water. with frequent stirring, and it will clarify and harden the tallow so as to make a most beau tiful article, for either summer or winter use almost as good as sperm. If the wick be dipped in spirits of turpentine, the candle will reflect a much more brilliant light.-American Farmer.

The Farm.

Some Facts About Orchards in New England. BY HENRY P. FRENCH, OF EXETER, N. H.

have the same force and brilliancy as is exhit- about one hundred trees. Mr. R. thought it as it will; then wind around a cotton string

Plant Trees.

A little more attention, a little more thought produce fruit. Plant trees by the fence sides the roots will penetrate beneath them and draw sustenance from ground you cannot cultivate. Set a stout thrifty grape root, directy where the soap suds from the kitchen will be daily thrown, and in three years' time you will have a fruit bearing screen to hide the view of some unsightly place. I give you this timely notice, that you may not let this spring pass by without making the attempt, at least to follow my good advice. SOLON.

American Agriculturist.

WHIP, OR SPLICE-GRAFTING .- This method of grafting is performed in the spring at the usual time of other grafting. For nurserymen, this mode would not be desirable; but to those who have a few small trees in their gardens which were budding last autumn and did not take, or which they wish to bring into An instance of Yankee shrewdness has re- bearing earlier than by inoculation, this spesed that he would go on in subsequent years wax over the whole joint and wicking. This and graft as many of the old trees as he chose, done, the scion will generally live and thrive; THE MOON DAGUERRECTYPED .- Mr. J. L. do the necessary pruning, and receive for his but though a simple operation, it is a careful

Tanks for Soap Suds.

In connection with every sink, or washrived from the decomposition of sea-salt, (chlo- the moon are very distinctly defined on the his share of the fruit, and learned that the sci- room, there should be a large and permanent ride of sodium,) the chlorine of the salt for-plate, and it is believed that by the aid of ons set in 1846, for setting which he had tank for the preservation of the rich and frucming chlorohydric acid, and going to consti- these representations taken at different pha- charged twelve dollars, produced sixteen bar- tifying liquid called "soap-suds." Probably tute part of the gastric fluid in the stomach, ses of the moon, their height and depth may rels of marketable Baldwin apples, worth the best " tank" for this purpose that has ever while the sodium oxidizing and forming sodas, be determined. The importance of these ex- twenty-four dollars. Mr. R. had become so been invented, is the egg-shaped, cemented is secreted by the liver, as a component of periments will be duly appreciated by the as- far convinced of his mistake, that he offered one, for composting. The size, of course, of W. one hundred dollars to release his interest this receptacle, must be graduated by the size in the orchard, which W. promptly declined. of the establishment it is designed to accomthe secretions of the liver, and any excess will ARTIFICIAL CRYSTALS .- M. Evelinen, the I soon afterwards met W., and conversed with modate, but its position should be near whence be excreted by the action of the kidneys, those director of the national porcelain manufactory him on the subject, and he said that so far the suds with which it is to be supplied is to organs that act so efficiently as scavengers to of Sevres, has succeeded in producing crys- from releasing his interest in the contract for be obtained. In the first place, a large exca-By digestion and secretion, organic acids, this result, he has dissolved in boric acid, He has now grafted most of the trees with the surface, preparatory to the final and outsuch as tartaric, citric, malic, and acetic, are alum, zinc, magnesia, oxydes of iron, and the Baldwin apple, and thinks he shall get side coating of cement. This should be put separated from the alkaline bases, so that the chrome, and then subjecting the solution to more than a hundred dollars a year, in each on in three successive coats, time being allowakalies are excreted, by the action of the kid- evaporation during three days, has obtained of the even years of the last half of his term. ed for the first coat to harden before the apneys, a neutral salt producing an alkaline ex- crystals of a mineral substance, equalling in The even year is, as you well know, the bear-plication of the second, and the second before cretion. Cremor tartar is by-tartarate of po- hardness, and in beauty and clearness of color, ing year for the Baldwin, throughout New- the third. It is scarcely possible to make the tassa, and is a well-known acid salt, much u- the natural stones. With chrome, M. Eoel- England. Mr. W. further informs me, that he walls or coating too strong and substantial, as sed in medicine, and of late in cookery. When men has made most brilliant rubies, from two has made many similar contracts in the neigh- the process of throwing in the materials, and bi-carbonate of soda is added to it in proper to three millimetres in length, and about as borhood, and has acquired an interest in about raking them out through the season, will neproportions, neutral tartarate of potassa and thick as a grain of corn. If rubies can be ar- one thousand trees; that his share of apples cessarily expose it to severe trials, and as a soda, or Rochelle salts, is produced-a mild tificially made, secrets which the old alchym- grown on land of other people, the past fall, breach, however slight, would abridge its usewas ninety barrels, and that none of the scions fulness and efficiency in a very essential dewhich produced were set prior to 1845. He gree, and in its repair subject one to inconvefrom the bi-carbonate of soda, and this gas, when disengaged in dough, renders it spongy, veils a tendency to promote sunburn and 1850 six barrels of fruit, and he knows filty In the spring, as soon as the air becomes or light, by its elasticity. It is the same gas freckles? Because they increase the power trees which this year produced ten barrels mild, throw into the tank a small load of muck, that is formed by the process of fermentation, of the sun's light. Why does a flannel co- each, worth in all \$750.-Vt. Chronicle. duct on the wash from the sink and washhouse. In two weeks supply another lot-any Fruit Trees. absorbent and decomposible matter will an-Be careful in planting to give the trees a swer-and so on through the season, cleans-Carbonic acid gas is baneful only when drawn the head, catarrh from the eyes and nose, ex- fair chance for life and health by digging the ing out the receptacle as soon as it becomes into the lungs. It then acts not only as a perience more relief, on applying to the face a holes in which they are set wide and large, so full, and stacking the rich and fermenting poison, but if breathed in large quantities, ac- linen and cambric handkerchief than one that they may be surrounded by loose earth, mass in your compost shed, where it should tually drowns the individual breathing it. Cats made of cotton ? Because the linen, by con- that can be easily penetrated by the tender remain covered with gypsum and pulverized have been drowned while endeavoring to pass ducting, readily absorbs the heat and dimi- fibres of the roots which are to convey nou- charcoal, while the tank is being again filled up across the bread-trough of a bakehouse, the inflammation, while the latter by re-trough having been filled with gas by the fer-mentation of dough. In this way, a very important addition will the temperature and pain. Why is loose cleth-in the temperature and pain. Why is loose cleth-In reply to the question, as to the use of cre- ing warmer than such as fits close ? Because in ten; and often the chance of survivorship is tilizer, especially when applied to corn, or cemor-tartar and bi-carbonate of soda in making the quantity of imperfectly conducting air dependant on this slight circumstance. An real grains. For garden purposes it is unsurbread, I would say, that this chemical opera-thus confined about the body resists the escape tion is not regarded as more than a poor sub-of the animal heat. excellent plan for preventing young fruit trees from becoming hide-bound and mossy, and for be applied. It is also excellent for top-drespromoting their health and growth, is to take sing grass lands. In autumn fill in with good WHITE-WASH .- Take two quarts of skim- a bucket of soft soap, and apply it with a brush materials, and cover the surface over with is not time to raise bread properly. It cheats med milk ; two ounces fresh-slaked lime ; two to the stem or trunk, from top to bottom ; this boards and soil, allowing from six to eight us out of the grape sugar and dextrine, which pounds whiting; or the same proportions for any cleanses the bark and destroys the worms or bushels of pulverized charcoal, four bushels give sweetness and flavor to properly fermented large quantity. Put the lime into a stone ves-bread, and substitutes a dose of Rochelle salts sel, and pour upon it a sufficient quantity of in their place, and that salt is mixed with drimilk to make a mixture resembling cream; causes the tree to grow vigorously.

ystem, and save men not unfrequently talized minerals, resembling very closely those that sum, he would not sell his share of the vation is to be made, and walled up with small from the baneful effects of improper ingesta produced by nature-chiefly precious and fruit for one. year for that amount, and allow stones embedded in plastic clay mortar, a and restore the healthful state of the blood. | rare stones employed by jewellers. To obtain the purchaser to choose it out of the term. | rough coating of which should be applied to

purgative salt. As the soda combines with the ists pursued cannot be far off.

tartaric acid, carbonic acid gas is liberated

and it is not in any way noxious when taken vering keep a man warm in winter, and ice into the stomach, but on the contrary is whole- from melting in the summer? Because it both some; and when drank in water, called soda- prevents the passage of heat from the man and water, it is, as we all know, highly refreshing. to the ice. Why does a person with a cold in

stitute for the process of fermentation, and is only justifiable in cases of urgency, when there