and little ones.

#### Scientific.

# Milk Paint.

nan or mortar, with a spatula or strong spoon, back, without producing the least effect. Then put them into a pot with an equal quantity of lime, well slacked with water, to make it just thick enough to be kneaded. Stir this mixture without adding more water, and a white coloured fluid will soon be obtained, which will serve as paint. It may be laid on with a brush with as much ease as varnish, it dries very speedily. It must, however, be be incombustible. used the same day it is made, for if kept till next day, it will be too thick, consequently no more must be mixed up at one time than can be laid on in a day. If different colours are required, any of the ochres, as yellow or red ochre, or umber, may be mixed with it in an proportion. Prassian blue would be changed by the lime. Two coats of this paint will be sufficient, and when quite dry it may be polished with a piece of woollen cloth, or similar substance, and it will become as bright as varnish. It will only do for inside work, but it will last longer if varnished over with the white of an egg .- Sci. Amer.

#### To Make the Best Copal Varnish.

Take one pound of gum copal, and melt it in a flask over a brisk fire of charcoal; at the same time, in another flask, boil or heat to the point of boiling one pint of linseed oil; as soon as the gum is melted, take it from the are, and add the hot oil in small quantities, at the same time stirring or shaking it till they are thoroughly incorporated. Allow the mixture to cool below the boiling point of water, turpentine: cork the flask slightly, and expose brush. it for a few days to the rays of the sun, which will make it more smooth and shining. If a salt; one pound fine sand; two pounds potash; large quantity is to be made, a copper boiler that is small at the top will answer to melt the gum in. For ordinary or coarse work a larger thoroughly rubbed upon the bark. proportion of oil and a little rosin may be adeach to a gallon of oil) have been previously boiled, the varnish will become sooner dry.

# To Give Wood a Gold, Silver, or Copper Lustre.

er, but should not be varnished.

about one hundred and four miles.

# Purifying Water.

by a single teaspoonful.

the manufacture of glass may be brought, and to what purposes the article may yet be applied. The balance spring of a chronometer is now made of glass, as a substitute for steel. and possesses a greater degree of elasticity

new home. It makes a part of the furniture a glass balance spring was sent to the North to the cutting of large limbs when there is no night on green feed; in the morning he would ful and pious conversation for himself, his wife other chronometers, and the result of the ex- affects them. periment was a report in favour of the chronometer with the gfass spring.

# Damp Walls.

A correspondent of the Builder has com-A foreign correspondent of one of our ex- municated a very simple method of preventing change papers says, that a paint has been used damp walls, by the mere outside application on the Continent with success, made from of a lather of soap and hot water, and then, milk and lime that dries quicker than oil as soon as dry, sprinkling the wall with a sapaint, and has no smell. It is made in the turated solution of alum. He states that he following manner: Take fresh curds, and prepared several places in this way, and water bruise the lumps on a stone, or in an earthen poured on the wall ran off as from a duck's

### To Render Paper Incombustible.

Pound'a quantity of alum in a mortar, add to it a small quantity of gunpowder, and dissolve the whole in three times its weight of water over a slow fire. Paper dipped two or three times while warm, and then dried, will

## Cure for the Bite of a Rattlesnake.

The most simple and convenient remedy, lys a correspondent of the Macon Messenger, have heard of was alum. A piece of the size of a hickory nut, dissolved in water, and drank or chewed and swallowed is sufficient. I have good authority for saying it has been tried many times, on men and dogs, and that they have invariably recovered. I know of some planters whose hands are exposed to be bitten by rattlesnakes, who always have themselves provided with it in their pockets, and they have several times found use for it. We have no doubt of its efficacy.

## The Farm.

#### Cleansing the Bark of Fruit Trees.

This operation should be performed in early spring, as well as in mid-summer. The rough, loose parts of bark should be scraped off, as well as moss and other parasites. The bark should then be covered with the following mixture, as high as the operator can reach, and then add nearly a quart of the spirits of with an ordinary long handle whitewash

Five pounds whale oil soap; one pound fine two ounces nitrate of soda, dissolved or mixed with water to the consistency of cream, and

Many kinds of insects are kept from trees ded. If oil is used, in which red lead and by a solution of whale oil soap alone, and many litharge (in the proportion of half a pound of such as are resident in the crevices of the bark, are destroyed by salt. . The fine sand is intended during the rubbing to scratch the outer coating of the bark, and thus assist the other ingredients for more perfect action. The pot-Grind about two ounces of white beach sand ash and nitrate of soda will decompose or softin a gill o' water, in which half an ounce of en the dead parts of the bark, so that during on the trunks should be left to aid in the ventilated. It should be cool for the gradual gum Arabic has been dissolved, and brush the summer they will be thrown off by the growth through the summer. Why strip them ripening of the cheese; well ventilated to seover the work with it. When this is dry the healthy action of the growing bark. If the off as many do? They help to make more cure a good flavor to the cheese, and dark to work may be rubbed over with a piece of above mixture be applied in dry weather, it stock for the tree and they should by all keep out the flies. Cheese, butter, or cream gold, silver or copper, and will in a measure will become so hard as to remain during sev- means be left to cover the trunks. Yet we will contract whatever bad taste there may be assume their respective colours and brilliancy. eral showers, and thus have time to perform have seen all such leaves stripped off by the in the atmosphere about it, and in the ripen-The work may be polished by a flint burnish- its office. Trees with smooth bark, such as hand. the plum, many of the cherries, &c., should be rubbed with a wet rough woollen cloth in not cut the limbs very close. They heal over the air .- Prairie Farmer. A REMARKABLE instance of the divisibility a few hours after applying the mixture; this the sooner when the stump is left to project a of matter is seen in the dying of silk with rubbing will cause the sand to clean the sur-little. cochineal; a drachm of which gives an in-face so perfectly as to give the bark an improlease colour to a pound of silk, containing ved and more healthy surface. Trees so eight score threads to the ounce, each thread cleansed are not as likely to be revisited by seventy yards long, and the whole reaching insects as those left with their natural surfaces, nor are they as likely to become bark-bound. Indeed we have never known a tree to exhibit him so long as he can stand up. Then draw them with nice sand paper or emery; it will The addition of a small quantity of rosin to the disease called bark-bound, the surface of his head up, as is common in drenching, and take off spots and restore whiteness. lamp oils greatly increases their illuminating the trunk of which had been softened by a soap with a spoon put back on his tongue strong power, and renders them less liable to coagu- wash in early spring, The cherry, apricot, salt, until you get him to swallow one pint. - factory will not fade if dipped in salt water peach and nectarine are subject, when left to Be careful not to let him drink too much .- while new. their natural state, to this disease, and it has Then anoint round the edges of his hoofs with A table-spoonful of pulverized alum, sprin- usually been attributed to too rich or too moist spirits of turpentine, and your horse will be rubbing them with a flannel wet with the same kled into a hogshead of water, (the water stir- a soil; and under-draining and slitting the well in one hour. ted round at the time,) will, after the lapse of bark lengthwise with the knife are the usual a few hours, by precipitating to the bottom the remedies. The one is expensive and often impure particles, so purify it that it will be impossible where choice trees are planted, and blood, the salt arrests it from his stomach and you dip the wick yarn in strong hot vinegar found to possess nearly all the freshness and the other is barbarous and unsightly, causing bowels; and the spirit of turpentine arrests it and let it dry. clearness of the finest spring water. A pail-exhalation of gum and consequent canker. from the feet and limbs. ful, containing four gallons, may be purified In any case, a few applications of soap to the I once rode a hired horse ninety-nine miles ing, with salt and vinegar. surface of the part hide-bound will remove the in two days, returning him at night the sedifficulty, and the mixture before recommended may be applied, slightly warmed, when re--Prof Mapes.

# Trimming Fruit Trees.

leisure for trimming a little-not a great deal, day by the misfortune, having in all cases ob- and suffered to cool before rinsed. and a greater power of resisting the alterna- provided the trees were attended to last sum- served and practised the above prescription. — Cotton, wet with sweet oil and paragoric, tions of heat and cold. A chronometer with mer. And if they were not we cannot advise I have known a foundered horse turn in at relieves the ear-ache very soon.-Mrs. Child

of his rude cabin, and supplies a topic of use- Sea, and exposed to a competition with nine prospect of their healing over before the rot be well, having been purged by the green

May and June are the best months to trim. for the wounds heal sooner and the stumps are not so apt to crack as in winter or March .-A fine saw is a good tool for cutting the limbs, though a chisel with a long handle will do when the limb is small. The operator stands on the ground and with a mallet strikes the end of the long handle. This can be done on pretty high trees without climbing.

But in either mode there should be care to cut in such a sloping direction that no water shall stand in the cavity which will soon be formed by the growth of the sap wood around the wound. Water standing here is like water on the shingles of a house. The sooner they become dry after a rain the longer will the

Most people are apt to trim too much when they set about it. Our written rules about trimming were imported from England and are not exactly suited to our hot summers.-The notion of "heading down" apple trees to let the sun in to ripen the fruit has prevailed too far and many trees have been injured greatly by the practice. In our climate the trunks and limbs of trees need to be shaded in hot weather. What else was the shade made for?

Limbs should be cut before they have grown so large that the wound will not readily heal. When young trees are trimmed annu- ney a great deal faster than if he kept one ally none of the limbs need to be more than good horse, who will thrive and be in working about one inch in diameter when they are cut order on no other feed but English hay or off. But an unskilful hand will cut too many. grass. It should be considered that trees generally increase in growth in proportion to the quantity of leaves they bear. Leaves elaborate the sap and aid in drawing nutriment to the tree. Therefore all the limbs should be left to help the tree except such as must be cut this year another year.

We consider this to be the best general rule, though it is admitted there is a difference in apple trees in regard to the formation of a top. Good judgment and some taste are requisite to form trees well. Our object now is to caution young farmers against thinning out the limbs too much in their young orchards. We protest against cutting all the limbs this may be cut another year as well as this.

It is quite certain' that our hot suns often burn the bark on the exposed side of the tree and injure it beyond redemption. On this account therefore, as well as to aid the growth of to attain a sufficiency of fresh air for its curing, the limbs, spare the tree when you trim it.

# Speedy Cure for a Foundered Horse.

ed, bleed him in the neck in proportion to the "many a little makes a mickle." founder. In extreme cases, you may bleed. When ivory-handle knives turn yellow, rub

A founder peruades every part of the sys-cloth with rum, &c. tem of a horse. The fleam arrests it from the Lamps will have less disagreeable smell it

cond day; and his owner would not have clean them thoroughly, after eating your last known that he had been foundered if I had meal at night. It is difficult to foresee to what perfection quired to soften the bark of a hide-bound tree. not told him, and his founder was one of the Linen rags should be carefully saved; they deepest kind.

I once in a travel of seven hundred miles them or scrape them into lint. foundered my horse three times, and I do not As soon as planting is done there may be think my journey was retarded more than one should be put into cool ashes and water, boiled

feed. All founders must be attended to immediately .- S. W. Farmer.

#### YOUNG FRUIT TREES.

It is a mistake to suppose that these can take care of themselves after they are set out .-Mulching is needed to protect them from droughts. Another injury to which they are exposed, is the scalding of the bark from the intense rays of the sun. If they had foliage sufficient to shade their trunks, they would need no other protection. But this they have not-and in consequence of this want, the bark assumes an appearance like copper, and the tree languishes, and not unfrequently dies .-Now a wash of elay, lime and cow-dung, applied before hot weather sets in, would seem to answer an excellent purpose as a coating, to protect young trees from this evil. It will also kill all insects and moss, and give a healthful, glossy look to the bark-the sap will flow the livelier under such a covering.

#### MONEY MAKES THE MARE GO.

So says the old proberb, but is it not equally true that the mare sometimes makes the money go? When a farmer has two or three old horses-mere apologies for horse-fiesh-and can keep them on their legs only by stuffing them with oats and meal, he is spending mo-

#### MOLASSES FOR THE UDDERS OF COWS.

We have been advised by a neighbor to eathe with molasses the udder of a young cow that was much swollen and feverish. We have tried it and find it has been of service. We to prevent interference with each other and have bathed the udder thoroughly three or such as might be too large to cut if left to four times and have never found any thing that has given more ready relief. Cold water is. said to be good when the bag is feverish, and we have first washed with cold water when the udder was dirty.

### PINE TREES:

Pine trees grow well when transplanted in June. Probably the fore part of the month is best. We set a good number last year, near year that are ever to be cut. Leave some to the middle of June. Nearly every one of be taken off next year and let the trees have them lived and flourished. A good sod should the benefit of them one year more in case they always be taken up with the roots. If the trees are pulled up they will not live.

# The Cheese Room

Cheese is animal matter, and it is difficult and at the same time secure other objects .--In young nurseries all the leaves that grow A cheese room should be cool, dark, and well ing of quantities of cheese, a vast deal of ef-We advise fresh hands to be cautious and fluvia will be given off, which will soon taint

# SCRAPS FOR THE ECONOMICAL,

If you would avoid waste in your family, attend to the following rules and do not despise As soon as you find your horse is founder-them because they appear so unimportant-

Silk pocket handkerchiefs and deep blue

Spots in furniture may be easily cleaned by thing that took the color-if rum, wet the

Clean a brass kettle before using it for cook-

If you wish to preserve fine teeth, always

are useful in sickness; if dirty or worn, wash

Vials which have been used for medicine