THE CHRISTIAN VISITOR.

Sience. Marine Glue.

Practical horticulturists are well aware how come decayed; for example, wood, the cords of straw mats, cloths, canvas shades, etc. Means of preventing this have been long sought after, but a'l hitherto tried imperfectly answered the purpose. It appears that the difficulty is at last surmounted, and that the marine glue affords an almost indestructible coating for wood, iron, canvas, and other sub-Madame Audouin, who takes an interest in tral Horticultural Society at Paris, some spe- to the surface of the wood: finish off as above. We once knew a field of corn, which on a fully ten per cent. in value.- Ag. Soc. Jourcimens of cloth and canvas adapted for horticultural purposes, which had been prepared with marine glue, and which she said would last, exposed to all weathers, for almost any length of time. The president of the society. ing the statements announced by Madame An- face had become so much swollen and inflam- of cultivation practised :

-N. Y. Eve. Post.

MATRY WIT OF

Erysipelas--- Cranberries.

Preserving Properties of Coffee.

Declivity of Rivers.

A very slight declivity suffices to give the run-

ward of ten years ago, is a substance resem-applied, and after several changes the pain a single harrowing, was worked with the har- railroad charter, that among other evils which bling pitch in its composition, and possesses ceased, and the inflamation subsided, and in row and cultivator until, in the language of railroads would bring upon us, would be the all the qualities of the latter without its faults, the course of a couple of days every vestige of the proprietor, it was as mellow as an ash damage that would accrue to those farmers It is as insoluble in water as pitch, and it does the disease has dissappeared. The case oc- heap, and a man walking over it would settle who were in the habit of rearing horses, as it not melt with the heat of the sun, neither does curred in the family of one of the editors of the in to his ankles in fine earth. Here was the would ruin that business entirely. Well, what it scale and crack by contraction from cold. Palladium, and we can therefore vouch for its whole secret of the great crop. The land was are the facts? Railroads are pretty well es-It glues pieces of wood together, with great truth .- New Haven Palladium. firmness, is impervious to water, and according to the preparation which it undergoes, it has the property of being either inflexible, or pliable and elastic; and it may be thinly used properties of coffee, For example, meat dip-tributed as to be readily and easily taken in be careful to breed from good blood. It is of tion would be desirable. It has been experiallowed to cool, and then left in the air for mentally employed for several years, and every three days, had been preserved without any year affords additional proof of its utility. M Pepin, botanic gardener at the Museum of Nathe same meat placed in a similar quantity of tural History, assisted by some members of coffee, in the same manner, had a bad odor at the Central Society of Horticulture, has given the end of ten days, and putrified at the end much attention to the use of marine glue. Five of three weeks. The question of its certainty hundred props of oak and chesnut have been of preserving is one of interest to domestic eco in the ground some two, and others three years, nomy. + Maine Farmer. without the slightest change. . Various landowners and horticulturists, and among them the Duc de Roban, and M. Bella, of the Agmarine glue, and have acknowledged the bene- about three miles an hour.-The Ganges, which ficial results. The trials made at the museum gathers the waters of the Himalaya Mountains, the great acquisition, and doubtless its application to horticultural purpose will soon be general. It will save much of the expense which is every year incurred by the deteriortion of a

ed woods are stained in imitation of ebony and warmth is not secured for the proper de- soil on which it falls, be left upon the surface by washing them with, or steeping them in, a velopement of the grain; and when impartial to be carried off by evaporation. Now, every strong deception of logwood or galls, allowing tillage only is effected, the deficiency in crop gallon of water thus carried off by evaporation them to dry, and washing them over with a so- will be in proportion.

lution of the sulphate or acetate of iron When There are different modes of tillage practis- a half gallons from the freezing to the boiling soon many substances employed in gardens be- dry, wash with clear water, and repeat the pro- ed, but most of them very impartial in their point. Without going to extreme cases, the cess if desired. Mahogany stain: logwood, results. The system most nearly approaching great effects of the heat thus lost upon vegeta-two ounces; madder, eight ounces, fustic, one to perfection is undoubtedly most profitable, tion cannot fail to be striking, and I have freounce; boil two hours and apply several times and should be recommended to the practical quently found the soil of a field well drained to the wood boiling hot; when dry slightly notice of farmers. It may be doubted whether, higher in temperature from 10 to 15 degrees brush over with a solution of pearlash, one if double the labor per acre was expended in than that of another field which had not been ounce in one quart of water; finish off when the reduction of the soil to a fine tilth, so as drained, though in every other respect were dry with wax or oil tinged with alkanet. The be completely pulverized, the farmer would similar. I have observed the effects of this on wood may be previously washed over with not as a general rule receive much greater re- the growing crop, and I have seen only one stances which are injuriously affected by long strong aquafortis, and when dry, the following turns for the expenditure than in the ordinary a much inferior crop on the under-drained contact with air and moisture. A widow lady, stain used : Pure socotrine aloes, one ounce ; mode. It is thus that our gardens, naturally field, but that crop harvested fully three weeks dragon's blood half an ounce; rectified spirit, no better soil than the balance of the farm, are after the other, and the setting in of unsettled manufactures, has lately presented to the Cen- one pint; dissolve and apply two or three coats made to produce so abundantly.

good fair soil, only produced an average crop. nal. or some ten or twelve acres, without manure, of eighty bushels per acre-a crop so much We are able to record another case of the above the average as to lead to inquiries into complete cure of erysipelas by the simple ap- the cause of so extraordinary a yield. The thinking that this invention would prove of plication of raw cranberries pounded fine. The proprietor, a very intelligent and enterprising great use, nominated a commission for verify- patient was a young lady, one side of whose man, gave the following account of the mode

change worth mentioning. Another piece of large and profitable.

Now we think those of your readers who will investigate the subject will agree with the might be supposed to have been wholly oblithe antidote for many of the disappointments strains, in the common haphazard manner. and failures in the management of our arable lands.

If farmers will cultivate less land, and do it. The last number of the Wool Grower, has

Agriculture in France.

requires as much heat as would raise five and

weather, I have seen that crop deterioated

From the Maine Farmer.

Breeding Horses.

It was thought, and predicted by many, that when railroads became established pretty generally throughout the country, horses would douin, and its report has been highly favorable, ed that the eye had become closed, and the The ground was plowed early in spring to a be little used. Indeed, we recollect once hear-Marine glue, invented by Mr. Jeffrey up- pain excessive. A poultice of cranberries was depth of eight inches, and instead of receiving ing it said in an argument against granting a finely and thoroughly pulverized, a mellow tilth tablished. Instead of their being no call for was obtained, the soil retained its moisture horses, there is more call than ever. Instead uniformly, the roots found no obstruction to of ruining the business of breeding them, it is their movements in search of food, the nutri- better business than it was when the argument M. E. Robin speaks highly of the preserving tive matter in the soil was so reduced and dis- was used. In breeding horses, farmers should ped in coffee, tather strong, which had been by the mouths of plants, the after culture was great consequence to pay particular attention easy and consequently thorough and affective, to this requirement. There is no denying and the crop as a natural result, unusually that the blood of a long established breed will show itself through a great many generations, and often start out, as it were, years after it writer that in thorough tillage may be found terated by a course of breeding from other We could cite many instances in proof of this position.

more thoroughly and perfectly, there can be some remarks upon the subject of breeding ricultural Institution of Grignon, have had ning motion to water. Three inches per mile, in tained, and the profit on the labor be compa-mittee, on horses, for the Chittendem county, a smooth straight channel, gives a velocity of ratively greater. It would at all events be a (Vermont) Agricultural Society, as follows: consolation to witness such a condition of the ** In addition to the hereditary transmission of have been equally satisfactory. We ought loftiest in the world, is at 1800 miles from its mouth, agriculture of the country as would result from qualities, it says-the progeny will inherit the therefore, to consider this composition as a only about 800 feet from the level of the sea- perfect tillage and thorough pulverization .-- united qualities of their parents. The good. as well as the bad qualities, will descend from generation to generation. Hence you will see the importance of a knowledge of the parentage, not only as to the sire, but also as to the dam. Peculiarity of structure and constiintion will also be inherited, this is an important consideration, though too much neglected, for however perfect the sire may be, every good quality may be neutralized, if not overcome by the defective structure of the dam. Let the essential points be good in both parents, but if there be some minor defects in the one, let them be met, and overcome by the excellencies in those peculiar points in the other parents. We would also advise you to let your breedfor each crop is laid out in squares or parell, ing mares be in the full vigor of life. Do not ograms with mathematical precision, and put them to the horse too young, especially do whether large or small, the best garden could not let your mares be incapacitated for work, not be divided with greater accuracy. As by reason of old age. If so, you may expect tiere are no fences or hedges, and as the dif- that the foal will have a corresponding weakness, and scarcely will a single organ possess supposing a man has his mouth filled with a agriculture is better deserving of attention, and you can imagine the variety of hues that meet its natural strength. Our farmers are too negwarm metallic sponge; if he draws in his more worthy of care of farmers, than improv- the eye, and the magnificence of the panorama ligent in the selection of their mares. They breath, the exterior air, in traversing the poses ed tillage. Tillage may be distinguished from that stretches out in every direction as far as are tempted to part with their best mares, and of the warm sponge, will itself be warmed, and the ordinary operations of the farm in consistwill arrive warm into the lungs, whilst the ing of the preparation of the soil for the crop, in this connection that seven-eights of the ag-sponge having parted with its caloric, will have and subsequent cultivation during the growth rightural labor is performed by females, while for centuries, as being excellent breeders of become cold; if he exhales the air thus warm-ed, this air, in again traversing the sponge, will therefore the foundation of all success in farm-in uniform are idling away their time in the in the world, pay very great attention to the come out reduced in temperature. If instead ing, and worthy of far greater care than is usu- brracks of the cities and villages. In the ab- qualitions and perfections of the mare. The sence of fences, cattle, secured by ropes, are results of such care in this respect, show them-driven about their pasturage by females ; and selves abundantly in whatever part of the world vidual, an ordinary bellows is adapted to the for crops very great imperfection is generally sheep are confined within the required limits they are practised, and, as good horses commouth to produce the inhalation and the ex-observed. The land is poorly plowed, the by boys, assisted by a shepherd's dog. Speak- mand a high price, those farmers in Maine, halation, we well nigh have Erricsson's ma-harrow applied in the most superficial manner, ing of cattle, reminds me that, notwithstand- who propose to rear good first class horses, the seed scattered upon it, and the roots left ing fresh pork is abundant enough in market, ought to furnish themselves with first class

dening .- Revue Horticole. where a constation

this to where the the A Happy Illustration, bush in bro estoms aright

in the following apposite mauner:

transmission of caloric cost the inventor twenty years of reflection to realize in this machine. It consists in using constantly the same heat to warm the air which is made to enter the cylinders. The apparatus by means of which this principle is applied is called a regenerator, and we can form a clear idea of it by of producing these movements by the contrac-tion of the muscles of the breast of the indi-In the ordinary mode of preparing the soil

chine.

of the ordinary fiquid dyes employed for wood imperfect results are counted, as it is by the or cotton. They sink deeper into the wood most minute division of the particles that the when applied hot. When the surface is pro-parly stained, and dried, it is commonly clean-soil the greatest sound of sustenance and ed with a rag dipped in oil of turpentine, after support. With the surface of the earth baked, which it is varnished or polished. Pale-color- dried and set of moisture drainage, or, having thoroughly saturated the carriage wheels. Journal of Science, dried to stitute for the usual composition applied to which it is varnished or polished. Pale-color- dried and set of science, dried to which it is varnished or polished. Pale-color- dried and set of science, dried and set of science, dried and set of science, dried to which it is varnished or polished. Pale-color- dried and set of science, dried and set of science and set of set o

every year incurred by the deteriortion of a dalena, in South America, runing for 1000 miles considerable portion of articles used in gar between two ridges of the Andes, falling only 500 trip of six hundred and fifty miles, from the feet in that distance-above the commencement of nothern to the southern extremity of France, the 1000 miles, it is seen descending in rapids justifies me in the expression of my opinion and cataracts from the mountains. The gigantic Rio de la Plata has so gentle a descent to the The Courier des Atats Unis, in an article ocean, that at Paraguay, 1500 miles from its not the caloric ship Ericsson illustrates the mouth, large ships are seen which have sailon the caloric ship Ericsson, illustrates the ed against the current all the way by the force square foot, from the mountain-top to the lowoperation of the wire apparatus: in alternately of the wind alone ; that is to say, which on the est ravine, is made to produce something, if it heating and cooling the same volume of air, beautifully inclined plane of the stream, have be suscept ble of it. Their mode of planting been gradually lifted by the soft wind, and even "The great fundamental principle of the against the current, to an elevation greater than that of our loftiest spires .- Arnott's Physics.



Pulverization of the Soil.

It may be doubted whether any branch of

Stained Wood. Wood is stained by the application of any of the ordinary liquid dyes employed for wool imperfect results are obtyined, as it is by the Wood is stained by the application of any imperfect results are obtyined, as it is by the

A letter writer for the Republic says: "A that God's sun does not shed its rays on so fair a land, or one so thoroughly cultivated. The whole country is literally a garden. Every or sowing their crops, whether on plain or hill-side, produces the finest effect on the ap-

pearance of the landscape; the place allotted ferent crops are in various stages of maturity,