Fruning Grebard Trees

Two distinct practices are adopted to the managers of orchard trees in the height of the heads above the ground One of them gives sufficient height to the heads for the free passage of the teams used in cultivation; the other brings the bearing limbs down so los that much of the fruit may be gather by persons standing on the ground. The former trim their young trees up to a height of five or six feet, and while they may be cultivated freely, nearly all the crop must be gathered with the assist ance of ladders. Those who train low give only two or three feet of bare stems for apple trees, less than two feet for dwarf pears, and less than a foot for peach trees. In apple orchards the height may be somewhat controlled by the variety; a Rhode Island Greening for instance, tends more to a drooping that he has adopted the right one, and right Northern Spc. To correct the tendency in the Greening the more downward shoots are to be removed in early pruning and those more nearly erect retained; and the reverse is to be poserved in training erect growers. Pench



trees being naturally more upright, the

Fig. 1 represents the more common form of the trees in high trained apple out on a larger scale and investing in orchards, and the shape given to them more land. Mr. Washburn confined himin the earlier years of their growth, and self to his same little farm and placed a Fig. 2 the appearance after they have certain part of his profit; to enriching reached full bearing. The er tire sur- his fields. He built a nice residence and face of the field may be cultivated up to moslern barn, besides making other imthe stem of each tree. Very few or- provements to add to his comfort and chardists (except where "sun scald" is convenience. Last year he had made feared) adopt the low form for apple just four crops. With two mules, two trees, especially during the early years of their growth and tearing.

portant to allow free culture of the soil, beyond the narrow circle immediately eats, besides raising large quantities about the foot of the stem. Free culture is more important while the trees are growing freely than afterward, when the increased size and foliage shade the



ground, and when it is found important to top dress annually with manure, rather than to depend on mere cultiva-

Fig. 3 exhibits the form of low trained peach trees, as adopted by some of our best managers of peach orchards. The peach tree should be subjected to free cultivation, as it receives more check and gives smaller and poorer fruit when is neglected, or when the land is seeded to grass. It may be well to add that on account of the tendency of the peach to lengthen the growth of its branches in successive years-the side shoots gradually dying and disappearing -continual cutting back of the branches is required to keep the tree in good shape and within bounds. This may be done by annually cutting off one-half, two-thirds, or more of ever one year shoot, in early spring; or by cutting off two or three years' growth at a time from all the longer branches, taking care to leave enough young wood, and always cutting back to a fork, so as not to make a dead projecting stub.

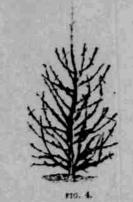
Dwarf pear trees are always trained low, but they will receive unlike treatment by different managera. One known as the half standard, has the stem two feet or more high, and the other the low pyramidal, as in Fig. 4. Neither my eminent or peculiar advantages over the other, good culture and more



or less manuring being required for The low form interferes more horse culture, but this is less important then appears at first sight, as the shade of the lower branches prevents he growth of grass and weeds closely

The relative advantages of each mode ed cultivation. 2 The low

will show to his neighbors that his treatment is best and most successful, or at least they will be fully satisfied



growth and low head than the more up that the failure of his slip shod neighbor is owing to his choosing the wrong course of culture. - The Cultivator.

How to Make Parming Pay.

The Milledgeville (Ga.) Recorder cites the experience of Mr. Robert Washburn, of Coonse county, in that State, as a proof of what can be done by intelligent and industrious farming. Five years ago Mr. Washburn purchased 185 acres of poor land in Oconee county, which required from four to seven acres to make a bale of cotton. He ran two plovs and worked three hands, himself making one. But a thorough business system was put in force. A record is kept of the mode of cultivation, crops, process, and itemized expense of each field or patch. Every shower is reperied, as also the droughts, and the condition of the crops at every stage. If an experiment is made with any particular seed manure, or process of cultivation, an exact account is kept branches forming the head may come of cost and profit. Such manage out nearer the ground than in most apple ment began to tell from the first year. His crops increased and his fields grew richer. But instead of branching hired hands, and his own labor in 1889. Mr. Washburn made 46 bales of cotton, While the trees are young it is im- every one weigning over 500 pounds; he gathered 700 bushels of corn, 85 bushels although the roots mostly extend far of wheat, harvested an immense crop of forege corn, German willet, and, in fact, everything grown in that section. He also killed meat enough to supply himself and hands-hogs of his own raising. When all the crops were harvested and the surplus produce sold, it was found that besides his own support Mr. Washburn had cleared \$1,053 during the year with only two plous.

ORCHARD AND GARDEN.

plants is the castor oil bean plant. A little pruning given to the shade trees will improve them in appearance place in the balls of legislation chronic when they are larger.

Cover your asparagus beds with manure late in the serson, and use the manure liber by for that purpose.

Take another look for the borer in the trunks of the peach trees. Look just below the line of the surface of the

All recent agricultural exchanges that refer to the practice of sulphuring fruit condemn it Not one has a word to say

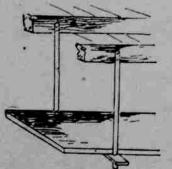
in its favor.

Grapes have been better and more plentiful this season than usual, probably due to the use of proper remedies against the rot.

Professor Baily says: "It may not be generally known that the chokeberry can be used as a st ck for dwarfing ap-ples. I have fruited the crab Montreal beauty on it and have worked other ap-

ples on it successfully. One of the reasons why peaches do not succeed on land long cultivated lack of mineral plant food. The peach is usually planted on light or sandy land that has at best but very little mineral. The seed can not form without potash, and lacking this the peaches fall off soon after setting. It is believed by some that lack of potash is the predisposing cause to the disease known as peach yellows. When taken early enough this disease has been cured by heavy applications of German rotash salts.

Hanging Cellar Shelf. It is desirable to have in the cellar a shelf beyond the reach of mice. The cat can not be allowed in the cellar: the



trap is not set until after the mice have made themselves known by their nibbling. It is better always to keep of food upon a hanging shelf. Such a shelf is usually suspended from the joists by cords, but this plan allows the shelf to sway back and forth, spilling the contents of full disics. It is the shelf; but if a shelf is suspended as shown in the engraving not a mouse can reach it. The supports are round

There is always a wild navor account stories that come from the far west. A story comes from Lander, Wyo., that an unknown hunter was killed by a silver tip bear, the hunter also killing the bear. The bodies of the bear and man were looked together in a death grip. The bear was killed by knife thrusts, while the man was crushed to death by

A Few Timely Thoughts About the Farm

One great cause of discontent with when compared to the seeming'y plasurable existence of professional and town's people is like gall and wormwood noticed his own awkwardness probably more than did the well dressed people whom he met. He used to envy village and city dwellers then, but now he don't, high pressure state under which men exist behind desk and counter is a mild sori of purgatory compared to the blessed tranquility and simplicity of a country porting silva, meadow, and plowed fields, try to realize that you have a "goodly heritage," and that a farmer's life is

is envious of no man of high or low degree. We mean he must possess them qualifications in so general a sense that they will control his actions at all times. Thousands of farmers are gliding smoothly along the river of life in the craft flying these mottoed banners, and in the neighborhood they will spare the time from work to hitch up the team and carry their family there for a day's

They will provide help in the house to side, and as a safeguard to the health of their better halves. They will take as keen interest in the progression of agriculture as men of professional bent do in the advancement of their several vocations, and yat with all of these attributes they will be pair thoply human without a touc this as a refuration of the success of some that a farmer can't be thoughtful and attentive in domestic affairs and carry his driving work along. It can be done, and should be done by those who complain that they have to "root, hog, or die," and that there is nothing sure but "death and taxes."

know it, and everybody knows it, but quirer, they hold in their own hands the most potent factor for ameliorating their candition-namely, the little white ballot. There are hundreds of well qualified One of the most beautiful ornamental the mighty agricultural class should distongues" of oratory, the country will benefit.

Fair play is all that is required in this metter, and that means that the farmers age of state and national legislators are profession we say, can they feel for the farmer as well as the farmer can for himself? Is it not natural that they should neglect so prosaic a subject as agricultural depression while they seek to cover themselves with glory in the discussion of issues that but dimly benefit their farmer constituents, though it shine as political stars of the first mag-

What the farmers need from law makers are votes, not talk and empty palayer, and they need to have them abide by their fervid promises made in the heat they so frequently signally fail to do this we reiterate, let farmers represent farmers, lawyers lawyers, and mechanics mechanics. It would be difficult then for one class to over ride the interests of another, and fair play would be stamped on all proceedings enacted under capitol roofs .- !George E. Newall.

THE DAIRY.

The sale of milk in bottles is increasing in popularity.

Use a little mutton tallow or vaseling when there are signs of the cow's teatcracking.

The fine polish on the horns of show cattle is given by first scraping with glass, rubbing with emory paper, and then rubbing well with linseed or neat's foot oil.

How long to keep a cow depends on how well she is doing. Age should be given no consideration as long as the old cow does duty equal to the younger ones and gives a profit.

When reed is high it will not pay to give it to animals that do not beturn an amount in beef, milk, or butter equal to the cost of food and labor. The profit will then be the manure, which is very important item. Get rid of the unproductive stock.

Chemicals for preserving milk are more daugerous than the impure milk. No dairyman should use any substance preserving milk unless he knows of what it is composed, as his customers have rights in the matter which he is in duty bound to respect

No animal should be guarded more carefully than the cow. She daily pro-rides milk as an article of food, and should she be attacked by disease or suffer ailment of any kind the whole family may incur danger. It is more important to look after the health of the now than to the health of the horse.

The Manufacture of Mirrors.

manufactory of glass mirrors was area application of But sometimes be in the farm, calling such an application of But sometimes be in very such established on a commercial scale in Science "fooling" and bumbur. Yet the a steamer which left New certain farmers is that they regard only Venuce and the repulsic empoyer a more farmers see their sons grow up and drift a young fellow who awake one side of their life—the hardship side. mopoly of this profitable business for farmers see their sons grow up and drift a young fellow who awake one side of their life—the hardship side. mopoly of this prontante positives for away because, having been educated in morning to find himself much and the sharp contrast that it makes [50] years. The makers of looking away because, having been educated in morning to find himself much a (50) years. The makers of position the public schools, the spirit of a scient as a sailor. The stemmer too glasses formed an important corpora-tion among themselves and were altion among themselves and were an them, and they seek elsewhere than up beautifully and uncrasingly, so lowed unusal privileges. This process on an old fashioned farm scope for the when there was a real size rolls remembers the day, when, tramping on was to how cynnders or glass, when the remembers the day, when, tramping on was to how cynnders or glass, when the remark the state of a shacking ox team, were afterward that tened upon a stone collection which they have already there was a wind and she solle the "night side" of a "shacking ox team, were american naturated apost a specific side of a "shacking ox team, were american naturated apost a specific side of farm produce nice exceptibly polished and silvered on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and for the winer education may self-respecting vest-two-depends on the gained and gained and the gained and ga miles to market, he has traversed the back with an amalgam. In this way which they grave mues to market, he has traversed the back with an amangain. It take we streets of a busiling western village, and splite large ones were produced some. Now there is no field which offers made no difference what the spine large ours were produced more ample scope for an educated and was, she rolled just the sine.

upon requisition on penalty of im- the cest," upon requisition our penalty of the properties of manure is many people tried to keep on the business in the Fourier St. Autoine him many d flars in a single year. By staggered back and rept 4 have been the best in the world. on the farms of this country. Washington Star.

William IV, shot himself in the head. -Youth's Companion. cook and mend for the extra heip out- in 1869 Lord Clementry the last of his house, jumped from the window and

own house and was killed.

The Famous touchenge.

original form which was two concentric quence of these attacas, fore the Roman invasion of Britain -Chicago Times.

The Original Eleven Ostriches The longevity of the ostrich is a qual-

ity that commends it to capitalists. may cause their own precious heads to Arthur Douglass, a poor sheep farmer near Graham's Town, South Africa was the pioneer ostrich farmer. He started in 1865 with eleven wild bird chicks and finding that they could be raised in captivity he started in to of the political canvas. In view that supply the market with domestic feathers. He has raised and sold thousands of chicks and stocked many of the surrounding ranches has marketed thousands of dollars' worth of feathers, and still has the eleven original wild birds breeding and yielding good marketable feathers.-Interview in St. Louis Democrat.

> The Washerwoman's Revenge. Mr. De Sharp (anxiously)-I inadvertently sent my cuff buttons to the wash

last week. Did you find them? Washerwoman-Sure, Oi saw couple in th' tub, but I have no time to be fishin around fur brass cuff buttons an Oi t'rew thim away.

Mr. De Sharp (in horrified accents)-Threw them away! Those buttons were pure gold.

Washerwoman-Moy! moy! That's too bad. Oi never thought a yong man wot was always beatin down a poor washerwoman's prices cud afford to wear goold.-New York Weekly.

When a Lion is Docile.

Naturally animals resent any attempt of coaxing to get them to take medicine that would exhaust the patience of most people. A sick lion will lie in its cage most of the time or sit up on its haunches with its head drooping a eyes. It will allow its keeper to enter and pat its head but will not touch the carefully prepared medicine unless it is concealed in some delicious morsels of fresh meat.-New York Epoch.

Besides the large planets which revolve about the sun, over 250 others

them s ry on the Paper

The Manufacture of Series a Many farmers laugh at the notice of When people built apox a Party in the Sexteenth century applying the principles of chemistry on hero of a man by object he

scientific mand than a good farm. The larless than six bours at me in length.

The secret was carefully guarded and oblifashioned farmer says, "What do I began 90 per cent of the perand city dwellers then, but now he don't. The secret was carefully guarded that want to know about chemistry? It's were seasick. The tables at more one bit. Since those youthful the laws enforced which declared that no, not one bit. Since those youthful the laws emorged which described emough if I manure the ground and looke I as if a bunquet half is days he has seen some of the inside any workmen at the trade who carried emough if I manure the ground and looke I as if a bunquet half is days he has seen some of the inside any workmen at the trade who carried plant my seed; nature will take care of heartily deserted. There was plant my seed; nature will take care of heartily deserted. There was

presentment for his hearest remarks he re- "chemistry," and if the farmer or his deek, where the hir was fresh not-withstanding this penalty is to boy understands the groundwork of that wind a lit is enlivening, but the business. There are niches in life for language to retain emissioned with the same of the slap was so marked up the all men to fill, and if your lot happens | kill him. Nevertheless in 1665 Colbert, all men to mi, and if your lot happens will mim. Nevertheless in post to be cast on a bit of earth's surface super at that time prime minister of France. Is good for a certain field and what kind on the circumference of the imported from Venice twenty makers is good for another field, and his know- mo ion, that most people one, of looking glasses, who set up their edge may make for him or save for up looked asound in an order

A knowledge of chemistry will enable the lower decks. is truly one of the happiest persons on celled the Venetian, and a fresh im bim to save the valuable properties of 1; ere was one year is truly one of the happiest persons on cened this venetian, and a realization to the art in 1631 by his manufes for the soil, instead of lets who did not so in to make the art in 1631 by enterprising without being extravagant; the discovery of a process for making ting precisely those properties be evapored the alightest. He had is frugal without being niggardly, and plate glass. From that time to this rated and asced, as they are in the case self comfor and in the looking glasses made in France o most natural manures as now treated bears, and by there is an easy

But the most important nunction of ler atcast, when the na science on the farm, after all in the manualf had cone to b-1 Suicides in English Aristocracy. present time, is not the immediate mea. The next marning to Saicides among the aristocracy in terial advantage which it may bring to in a bester most na England are rather numerous. Lord the farmer, but the means which it will in goat a And must If there is to be a pleasant picnic held Congleton, who was Mr. Parnell's supply of interesting the young, of ear had not notice table great uncle banged himself in 1842. In gaging their active and eager in citig man con ratulated has the same year the Earl of Munster one ence, and keeping them from pl cos from seasiekness the of the illegitimate sons of King where they will be very much worse off, did you star in operation

Good Fishing.

In 1873 the last Earl of De la Warr by the sportman is probably that sur- So much for appearance - New drowned himself and in 1876 Lord rounding the town of Linkville, in Kia- Tribune. Lytt eton the insane brother-in-law of math county, Ore. The town uestles at Gladstone, escaped from his keepers the foot of a large mountain, and lies he seraphic. We mean threw himself off the staircase of his right on the bank of what is locally known as Link river. This stream-A story of suicese in which sentiment which is quite large and connects the s mingled is that of Frice Baudouin, upper and lower Klamath lakes - is alive heir to the throne of Belgium. The with thousands and probably unifions outhful prince loved beneath his sta- of large fish, which are constantly pasion and finding that love could never sing to and fro between the two lakes, be realized sought peace in the eternal and are as constantly jumping out of The farmers have a hard time of it, we silence of the grave. - Cincinnati En- water in sight of the town. They are of all sorts and sizes.

Some of them appear to be cutting up those antics for the fun of the thing, Stonehenge is a famous ruin of great and some to shake some kind of an exmen of the Cincinnatus stripe who are but uncertain antiquity situated in the like looking creature which attacks now guiding the plow and taming nat- centre of a plain near Amesbury them in the water and becomes attached ure, who, by right of representation of an Wittshire, England. At present it to their sides, causing the fish apparent s merely a confused mass of moss by much suffering. It is no uncommon covered stones, which must be closely thing for large fish to be taken there the retirement of a few of the "silver" aspected in order to trace out the whose sides are all scarred up in conse-

survive, and if the farmer legislators are circles of huge upright stones enclosing. It would not be surprising if many a little thick and blunt of speech, their two elipses the whole surrounded by a fish were thus destroyed. Probably votes will be cast honestly and clean, circular ditch and embankment; the there are not in the world two lakes and the land at large will receive the wall being 15 feet high and 1,010 in more numerously stocked with trout the harbor, nearly a quarter of 4 circumference. There is much difference than the upper and lower Kiamatile shall be represented in proportion to their what the original builting monument they each average thirty miles in length numerical strength. A beavy percent or dike was used for. Many eminent by ten miles in waith. Many large scientists believe it to be the remains streams empty into them, affording lawyers, and with all honor to the legal of a Druidish temple erected long be. splended Laning and spawning grounds. Lying east of Cascade range of mountains, where genuine winter prevails in the season for it, the water is better and the fish healthy and solid-features which do not prevail on the western side of the mountains, where an almanac has to be consulted to ascertain accurately the season of the year.-Forest and

Waat Wooden Nutmegs Are.

The banda isles are almost covered with nutmeg trees. To prepare the seeds for the use they are dried in a moderate heat for about two mouths. Then the shells are broken and the nutmegs are picked out and sorted the inferior ones being reserved for the oil press. As the essential oil of nutmeg brings a high price dishonest growers often steep the nutmegs in hot water porcapine!"-Friegende Biaetler. to extract the oil from them.

They are then coated with lime and sent into the channels of commerce. Such nutmegs are worthless; their aroma and pungency have disappeared these qualities being due exclusively to

How to Acquire a Foreign Vocabulary.

Perhaps one of the best ways of fixing the words and idioms of a language in one's mind is to teach them to somebody else. The learner should try to impart to some member of his family what he has already mastered. He visible. should above all seek command first of words in familiar use leaving to a later to cure them and it requires an amount literary expressions; his first business stage of his progress the forms of is with the common objects of daily life, his last business is with general terms. As he sits at his desk he ought to be able to name every article about him just as when he is riding in little and all of the fire gone out of its the street car or on the railway he should be ble to mentally recall the equivalent for every detail in the moving panorama of objects.—Boston Herald.

"Does your wife talk in her sleep?" "No; but she frequently does in mine." -Puck.

ENCLATIONA

of the sugar b

a singular offe iterary organi meet with the wier such serv ity, the chance ities in the sta

libraries labor our work wi able privilege ratories are whose librari Hesperian U is practica

ersity is to ric-power he plants of f ms. This w in electric: number of University ot ball, base one asked him. The lo gymnasti to keep, "stay?" be said for ever. This ege classes h The most unique locality to be found move. I just lay there a miner e junior cl

It Could Swen

Hansher, At a seaside resurt sum boys a College, L. students awhile took it into their needs to he music per niversi

made for a small yacht lying at a It could not get up the sales boat, but in swimming about it. to the cable, up which Little

snake set out awimming at one

ment of the boys, it will be to its way by twisting around tention of the only man on the about the deck, he seconded in ing it into the water again. The s still placky, swam to mother n ar by, but was driven away

ubs in all kinds of e Centr small boat and follow it to see h Profes ity will d on, but still keeping up its grace a ting is t undulating motion until the shore! ds and e eachers

By this time it was somewhat tion, Lin inusted, but it had strength enoug eventy-i erawl away among the rocks, and men who were watching it felt the the tax had earned the right to live even! there been any reason which Vorsit Y orth of a wasn't -for killing it in the first pli -Youth's Companion.

Wa is and Vagaries. I want a fifty-cent umbrella, be

ort of t

ast ve

folled it

figure

Yes, mum. Any choice? want one with a silver handle and w ranted silk."-Louisville Citizen. "Oh, papa," exclaimed hitle Fri

running up with a chesnut burrish hand: "look! I've found the egg of "Oh, I know all about bables,"

Harlow to the young mother who s afraid he would let her little one i was one myself ones."- Harpe Mamma-" allie, if you had a lit

the oil. If on inserting a pin no oil rushes to the surface, the nutmeg is merely a wooden nutmeg.—Foods and Beverages.

Beverages.

Ballima— alife, if you in your class spank you'd stand better in your class spank you'd stand you'd stand you'd stand you'd stand you'd stand you'd stand you'd Lafe.

Cigars an | Music Combined. While I stood at the showcase is cigar store the other day a mus box began playing. I looked all about the store to see where the melody can from, but the instrument was nowher

Finally the storekeeper, with a bros smile on his face, took a cigar box down from the row on a shelf and set it b fore me. As he opened the hid the play ing ceased. I looked into the box and saw that the lower half of it was de

voted to the music box. "This is the novel way," said the dea er, "that a firm has chosen to introduc a new brand of eigars."- New York Herald.

II. Had to K. op Him Going Stranger (to car driver, conductor etc.) - why don't you stop? I want to

Car Driver, Conductor, etc.-I'll have t' ask ye t' jump off. This mule have been discovered and catalogued, let live!" She, wearily—"I wish it was be any startin 'mi inside uv a hour."

and science is daily adding to this lit. sleep and let sleep."—Boston Courier. Harper's Bazer.

blicly opens instead of coming toward the Young M versity. Get tate Supt. cial duties mty instit he new te more effe col law it r parents ebraska

Misses Rot