PRUNING FRUIT TREES.

With fruit trees pruning is important because it can be used for the purpose of checking the growth as well as for the purpose of thinning the fruit. It is an old and well established maxim among fruit growers that whatever tends to check growth increases the fruitfulness the plant. Pruning can be used to accomplish this result to a certain limited degree. Plantations which are tardy in coming into bearing may, therefore, by judicious pruning,

Accelerating growth.-Contradictory as it may at first thought appear, pruning is frequently resorted to to accelerate or augment growth in plants. Weak growing nursery stock is frequently cut back during the resting period in order that all the strength of the root may be forced into the formation of a single upright stalk which will make the plant a salable nursery tree.

Rejuvenation of old trees.—Severe pruning is also resorted to with older plants for the purpose of rejuvenating them. Old apple trees and old shade trees are frequently so treated, in order to induce them to throw out strong new shoots

Effect on fruit crops.-With such plants as the peach, which bears its loss. fruit upon the growth of the previous year, pruning is of great importance, as the grower can reduce the crop in proportion to the capacity of the tree. Successful fruit growers thoroughly understand the importance of gauging the quantity of fruit allowed to be borne by a tree to the capacity of the tree, the ability of the tree in this respect being measured by the rate of growth, the variety ling. and the soil and climatic conditions to which it is subjected.

Control of disease.—Pruning is of prime importance also in controlling the action of some of our most dreaded plant diseases. The study of pearblight, for instance, has shown that this disease is very generally communicated from plant to plant insects, through the pollen, as they pass from blossom to blossom, or, later in the season, from shoot shoot. It is also believed that the disease can be carried by the wind tive and the tissue at the ends of the branches can easily be entered by the germs of the disease.

Pear-blight.—The way in which pear-blight is as follows: It is the natural tendency of the pear and the spurs produce blossoms from year to shape. year, which are in turn as liable to pear-blight as are the blossoms the extremities of the branches. It | is evident, therefore, that a blossom frosted, she will rarely lay until the situated upon the body or larger injured member is entirely healed. branches of a tree becoming infected by this disease would communicate it riety of food is essential to egg proundoubtedly be fatally injured; but quarters. if these fruiting spurs are all eliminated from the body and larger branches of the tree by careful pruning the possibility of infection in this way is overcome. The available neglect when drawing the plans, to means of gaining entrance to the tree arrange for plenty of light and sunby this parasite is confined to the shine as well for ample ventilation. smaller branches, which, if affected, can be cut away without severely in- to a milker that she dislikes, or is juring or disfiguring the tree. This afraid of, and besides, the milk she is, in brief, the method of success- does give will not contain so large fully controlling the pear-blight. It an amount of fat. is purely a mechanical operation, but | The strippings are richer in fat than sumed the subject. one which requires a rigid execution the milk that is first drawn, this is of the principle of removing all one reason why a cow should be

fruiting spurs from the body and milked dry at each milking. Clean main framework branches of the tree milking is of greater importance, as well as cutting out all infested however, in keeping up a full flow. shoots in other parts of the tree.

fruits upon adjacent branches in con- to do likewise. it is the endeavor of successful grow- over estimated. be brought into profitable production. plum grower to have them 21 to 4 this or not. inches apart.

POULTRY NOTES.

Pure water is more essential than clean grain.

Chickens hatched in an incubator are free from lice. Keeping hens confined and unoccu-

pied causes laziness. As a general rule, a large red comb insures a layer every time.

the hardiness of all fowls that feather slowly.

Large flocks that are beyond the The time to cure consumption reach of reasonable attention and not after the lungs are hopelessly care, instead of a profit will prove a

Artificial hatching is profitable only when laying hens are kept to supply the incubators' capacity.

Milk is one of the best egg producers than can be fed to poultry, and they can be given all that they will drink.

Want of exercise and proper feeding are often the cause of fowls getting into the habit of feathers pul-

Chicks hatched from eggs kept too long are not so vigorous as those hatched from fresh ones.

Whenever a chicken is so sick that it cannot be induced to eat, about the best remedy is the hatchet. A barrel laid on its side in a seclu-

ded place, with a stone on each side to support it, makes a good place for a turkey to lay in.

A hot breakfast from this time on will aid materially in securing good supply of eggs regularly. A small male bird running with

and that infection can take place large hens will be more sure to ferwhile the vegetative processes are ac- tilize their eggs than a large male with small hens.

should be made fresh every time. Not cough grew less severe; my appetite which lies to the east, facing the enonly should all material be removed, improved and my strength began to trance to the harbor proper. pruning is of service in controlling but the nest be whitewashed inside return. I continued taking the pills and out.

apple while young to form fruiting necessary unless for the purpose of not since experienced any weakness. spurs upon the body and large feeding a mixture or variety that I am sure Dr. Willioms' Pink Pills branches of the tree. These fruiting cannot be given them in any other saved my life."

Fowls are very sensitive to climabe visited by bees or other insects tic changes, and often regulate their carrying the destructive spores of the laying by the temperature of the atat mosphere. Should the comb of a hen become

While feeding fowls well with a va-

directly to the framework of the tree, duction, no amount of good feeding with the result that the tree would will entirely compensate for bad

DAIRY NOTES.

In building barns for cows don't

A cow will not give down her milk

of La Grippe

There should always be a friendly Plum and peach rot .- In the case of feeling between the cow and the the dreaded plum and peach rot milker, and milkers should not be (Monilia fructigenial) the ravages of changed any oftener than is absothe disease can be stayed to a limited lutely necessary. Our best dairymen extent by the removal of branches lay special stress upon these two would interfere and would bring the points, and it is well for every body

tact, for it is well known that this Don't be irregular about the milk- between China and Japan in 1894 in feeble new born babe as surely as disease is readily communicated from ing time, have a definite hour in the the undisputed possession of the Chin- the well grown child. Mrs. F. D. fruit to fruit if they come in contact. morning, and at night, and milk at esc. On Nov. 21, 1894, it was cap- Kirk, The Barony, N.B., says: "I Thinning, then, which is a process of these appointed times. The same tured by Japanese troops. By the have used Baby's Own Tablets with pruning, has for one of its primary applied to feeding periods and the im- treaty of peace between China and most satisfactory results, and do not objects the control of this desease for portance of these facts cannot be her neighbor, which was signed at feel safe without them in the house.

ers of peaches and plums to have the | Milking should be done with clean | was ceded to Japan, with practical- | cient to cure the small ailments of fruits so distributed upon the hands and the udder of the cow ly the whole of the Liautung Penin- the stomach or bowels." If you do branches that they shall not come in should be washed if necessary, but sula, including all islands appertain- not find the Tablets at your medicine contact, even when fully developed. It one should make it a regular prac- ing or belonging thereto, says the dealers write direct to The Dr. Wilis the aim of the peach grower to tice to rub the udder with a damp London Times. have the fruits at least six inches cloth before each milking whether apart, while it is the object of the there is any apparent necessity for ported by France and Germany, Ja- 25 cents a box.

> stolid one. The chances are that she at Pekin on Nov. 8, 1895, all the that, even with her draught augmentwould give more and better milk than territory occupied by her in Manchur- ed nearly 6 feet, the Retvizan might her dull, mopish sister, there are de- ia and by Dec. 31 of that year the still enter the dock for repairs at grees of mental development even last Japanese soldier had been with- high water. An 80-ton sheerlegs is among cows. Intelligence often ac- drawn. companies profitableness as a milk yielder.

CONSUMPTION CURABLE.

Strong and Expels Disease.

involved and the doctor has given you up. Consumption preys upon weakness. Strength is the only measure of safety. Do not let the blood become thin and watery. That is an open invitation to disease to take possession of your system. Dr. Williams' Pink Pills are the best of its most valuable features. tonic and strength builder known to medical science. The record of this medicine proves conclusively that taken when the symptoms of consumption develop it builds up, strengthens and invigorates the patient to a point where the disease disap-Here is a bit of positive Miss Blanche Durand, St. proof. Edmond, Que., says: "While out boating in September, 1901, I got my feet wet and took cold. I treated the cold in the usual way, but the cough seemed to cling to me. As several months passed by and I however, was so shallow that until was not getting better, I went to a

and I was in consumption. Return- berths for but three battleships

Such cases as these prove the power of Dr. Williams' Pink Pills. They make new rich, red blood, and this way cause all diseases due to bad blood and weak nerves. You can get these pills from any medicine dealer or by mail at 50 cents a box or six boxes for \$2.50, by writing the Dr. Williams' Medicine Co., Brockville, Ont.

COUNTER RESOLUTIONS.

When Mr. Blank had finished dinner he and his wife adjourned to Fort for a distance of nearly 40 the sitting room and drew their chairs close up to the glowing grate. this is joined by a circle of batteries "Clara," he began, earnestly, "I've

"Oh, I'm so glad, dear !" his wife exclaimed, in a tone of sympathetic rejoiding.

Mr. Blank appeared a little nettl ed, but swallowed hastily, and " I just jotted them down as

them to you," and he drew out paper from his vest pocket and put surrounded by a high wooden palisade on his eye-glasses. "And if I can help you at all, dear

Mrs. Blank murmured, softy;

other wearing apparel. drawer of chiffonnier."

enough to continue.

"No. 4. Cost of spring bonnet not to exceed four dollars." Mrs. Blank here broke in vehement-

"Yes, sir, and I, too, have a set of new resolutions. I don't have to write them down either! Here they "No 1. Not leave the fire for your

wife to light every morning. "No. 2. Bring home the money spent at clubs and banquets to pay the grocer's bill. "No. 3. Not squander money on

joking," Mr. Bfank endeavored temporize.

Fortunate is the man who debts.

OF GIBRALTAR

Shots of Enemy Would Fall Behind Military Works and Arsenal.

pan was compelled to retrocede un-

herself in Port Arthur, never of her the Tiger's Tail the mud has own free will to quit it. No sooner dredged away so as to allow set to work to render their new pos- nearly always moored. session impregnable for all time. It | As to the town, the old Chinese would not be out of place here to de- city is rapidly becoming a mass of scribe roughly the position and phy- barracks, and on every side the dirty sical aspects of the port. Situated homes of the Celestials are giving on the south-eastern extremity of the way to fine stone buildings; the mod-Liau-tung Peninsula, Port Arthur is ern town is canstructed on the Eujust outside the southern limit of ropean plan, its only and all-pervad-Winter ice, this immunity being one ing fault being excessive filth, stench

THE HARBOR

is an oval inlet of the sea, two miles long from east to west, and a mile from north to south; it is surrounded by hills of varying elevation, and its sole entrance is on the southern side by a narrow channel guarded at the south-western end by a couple of dangerous reefs, and protected against bad weather by a narrow spit of rocky land known as the Tiger's Tail, which runs diagonally across its northern extremity. This harbor, extensive dredging aperations had doctor in January, 1902, and he been undertaken no vessel of any size told me that my lungs were affected could enter; , even now there are ing home a friend in whom I had addition to smaller craft. For this much confidence strongly urged me reason the major portion of the Rusto take Dr. Williams' Fink Fills. I sian fleet has always been forced to began taking the pills and soon lie outside the heads, or else enter The nests for the setting hens found they were helping me. The the large swing basin or wet dock,

The approach to the harbor and for about two months, when I found basin is very confined, and from the Grinding food for poultry is not my health fully restored, and I have nature of its surroundings is very easily defended. To the east, Kwangchin Hill rises to a height of nearly 250 feet above the sea level, and its elevation has been taken full advantage of by the erection and around its summit of three powerful batteries, mounting, besides smaller guns. new breech-loading cannon. weighing 631 tons, on fortress mountlings. On the side facing the entrance and half way down the slope are two batteries of quick-firers, for the most part Canet 5.5-inch and 75 mm. guns, in addition to a torpedo and searchlight station.

THE FORTIFICATIONS extend from the Kwang-chin-Shan

versts in the northern direction, and in the hilltops surrounding the town been making some new resolutions to the second long line of defences starting south around the peninsula from the Mantow Hill. So much for the eastern side of the entrance. the Wei-Yuen, and this is joined several small quick-fire batteries commanding the entrance by castellated thought of them. Here, I'll read bridges. A short time ago whole of these fortifications were to prevent the inquisitive from learning too much. The width of the entrance from

but Mr. Blank had begun his read- Pinnacle Rock on the west to the opposite shore is barely 350 yards, "Resolution No. 1. Buttons kept | whilst the three-fathom channel at its carefully sewed on vests, coats, and narrowest is not more than 500 feet in width. Within the heads it wid- had been taking more and more of "No. 2. Handkerchiefs, socks, and ens out somewhat, and between withe the Corean coast trade away from collars kept in right-hand upper end of the Tiger's Tail and the entrance to the basin there is a width sessed a practical monopoly. Mrs. Blank's eyes were blazing dan- of 430 yards; even this makes it a gerously, but he was foolhardy most difficult task for any vessel over 300 feet in length to entet or leave "No. 3. No bills accepted for pay- either the harbor or basin.

On the Tiger's Tail are placed seven Canet 5.5-inch quick-firers in open battery at an elevation of not more than 10 feet above the sea; at point whether the dockyard could be extreme end of the spit is a quadruple launching slip for destroyers, from which two lots of four have recently been launched after being projectiles so discharged would more sent out in sections. Behind this, again, is a circular observation tower and flagstaff.

THE BASIN OR EAST PORT was excavated primarily by the Chinese, as also the dry-dock cut in its "Why, Clara, you know I was only northern side. It has an average depth of 31 fathoms and can accommodate nearly a dozen large vessels. The western end is devoted exclusive-Blobbs-"Have you ever had any ly to torpedo craft, though a dock for these small boats is in the process of construction on the eastern enlarged by the Russians, is 452 feet over all, 370 feet over blocks, 90 can feet wide at the entrance, and has a his depth on the sill at high water, ordinary spring tides, of 32 feet. These

When your child-whether it is a IMPREGNARIT AS THE ROCK big child or a little baby - suffers from any of the minor ailments which come to children, or is nervous or fidgety and doesn't sleep well, give it Baby's Own Tablets. This medicine is the quickest and surest Port Arthur, the ancient scaport of cure, and the safest, because it is ab-Lu-chun-cheng, was until the war solutely harmless. It will help the Shimoneseki on April 17, 1895, it I find that one dose is usually suffiliams' Medicine Co., Brockville, Ont., Owing to the action of Russia, sup- and they will be sent post paid at

A nervous cow is preferable to a der Article 1 of a convention signed figures are interesting, for they show in position on the land side of the It is unnecessary to recall the pro- basin, and immense engine shops and cess by which, in less than two and repairing houses are in course of a hglf years after its evacuation by construction wherever there is an the Japanese, Russia had established available plot of land. Just inside You can nearly always depend upon Good Blood Makes the Lungs had the lease been extracted from stroyers to lie alongside the building China than the Russian Government slip, and here eight to a dozen are

and a complete lack of drainage.

FINE WATER WORKS have for some time been in course of erection, and before long the electric light will be installed all over the town, though whether by the Russians remains to be seen. On the high hill at the back of the town are placed a lighthouse, signal station, and telephone office; from here a superb view of the surrounding country may be obtained. To the right of this hill (facing seawards) lies the newly-built residence of the Viceroy, the only respectable habitation in that quarter of the town. To the left stretches the new town, reaching almost to the surrounding hills about four miles to the east. Prominent amongst the many buildings are the new barracks, a series of 24 stone edifices placed in four of six each.

Nearer the harbor are the prison telegraph office, court-house, and Customs, but nothing in the nature of a private dwelling is to be seen anywhere. Beyond the new town, and divided from the east port by a narrow strip of land, is a large, shallow lagoon, and a second smaller one, into which empties a river, cuts off the old town from the new. A wide bridge spans this at its narrowest place and leads down a broad road to the gates of the arsenal and

dockyard. Given time, the Russians would have made a model city of Port Arthur; but, unfortunately, more attention was paid (and from their point of view rightly so) to its defences than to its development along peace-

THE ADMINISTRATION

ful lines.

of the town was entrusted to a committee of officers under the presidency of the Viceroy, and in his absence the senior naval officer present.

Militarism is, of course, rampant; and, but for a few Chinese who have found the Russian rule bearable, one seldom meets a man clad in anything but a uniform; the "ricksha." typithe west the most important fort is cal of the whole of China, has been replaced by the "drosky" driven by "mujiks" of an unusually dirty type. As regards facilities for travel, there was (for it is wiser to speak in the past tense now) a splendid railway connection with the trans-Siberian system, and on Mondays and Thursdays a through Pullman express can to Irkutsk, meeting the trans-continental section from Vladivostock. line of steamers under Russian control made daily trips to Chefoe, eight. hours distant, and Russian "tramps"

the Japanese, who until recently pos-

One more feature is worthy of notice-the so-called impregnability of Port Arthur. From the sea I taink it would be almost as impossible to capture as Gibraltar, and ships moored in the inner harbor would lie in perfect safety. Further it is moot damaged by high-angle fire; the works and arsenal lie so closely under the Kwangchin Hill that any probably range far into the town at the back. From the land side it is difficult to judge of the value of the defences, but it appeared to me that a determined foe might very conceivably he able to rush the place by concerted attack from several points. But for these and other matters we must await the course of events:

DA. A. W. CHASE'S TO E CATARRH CURE ... 4.35. is sent direct to the diseased parts by the Improved Blower licals the ulcers, clears the air passages, stops droppings in the throat and permanantly sures. Catarrh and Hay Fever. Blower free. All dealers, or Dr. A. W. Change Medicina Co., Toronte and Buffale.

al Treatment Necessary-The Advantages of Dr. Chase's Remedies. With the very young and very old, | cannot be surpassed as a means of and with persons of low vitality, the relieving and curing la grippe, and dangers of la grippe are very great. restoring the weakened and debilitat-Pneumonia of a violent and fatal ed body to its accustomed vigor. Dr.

To Persons of Low Vitality-Local and Constitution-

The Dangers

form is a frequent result. It is also Chase's Syrup of Linseed and Turclaimed that very many cases of con- pentine is too well know as a cure sumption can be directly traced to for bronchitis and severe chest colds la grippe. The after effects of la to need comment. Dr. Chase's Nerve grippe are most often felt in the Food seeks out the weak spots in nervous system. The extreme debil- the system and builds them up. It ity in which this disease leaves its rekindles the vitality of persons victim is more than most nervous | weakened by disease, worry or oversystems can endure-paralysis or exertion, and cannot possibly be prostration follows.

their patients to avoid experiere to la grippe, and to prevent serious cold or over-exertion, and recom- constitutional complications.

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equalled as a restorative and recon-The most successful doctors advise structant to hasten recovery from

mend both general and local treat- Dr. Chase's Syrup of Linseed and such as Dr. Chase's Nerve Turpentine, 25 cents a bottle, fam-Food, to strengthen and tone the ily size (three times as much) 60 system, and Dr. Chase's Syrup of cents. Dr. Chase's Nerve Food, 50 experience with train robbers Linseed and Turpentine to loosen cents a box, six boxes for \$2.50, at your travels?" Slobbs-"Well, I've the cough and protect the bronchial all dealers, or Edmanson, Bates & stacked up against a good many side. The dry-dock, repaired and tubes and lungs from threatened Co., Toronto. To protect you Pullman car porters." against imitations, the portrait and Any penest and conscientious doc- signature of Dr. A. W. Chase, the tor will tell you that this combined famous receipt book author, are on borrow enough money to pay