

ORCHARD MANURING. Grain growing is the simplest kind of farming. With corn, for instance, the object is generally to get the highest yield of grain possible; the farmer breaks up his land, fertilizes liberally, and keeps the soil constantly mellow and with a shallow earth mulch, up to well developed tassels. All tillage then stops, as the plant no longer draws on the soil for sustenance; in fact, growth of stalk on leaf must be checked and this is accomplished by abandoning the earth mulch and drying off the soil. At every stage of the work a definite object is in view, and the shortest means toward that object adds to the success of the opera-

In fruit culture precisely the same means are necessary to success, but the problem is a little more intricate though not at all difficult. Fruit is developed largely from fruit buds formed the preceding season; consequently, the orchardist is constantly working one season ahead of his crop. Orchards require a free supply of moisture up to midsummer, after which the supply should be checked in order to mature wood and favor development of healthy and abundant fruit buds for the next season's truit. The fertilizer problem is a most important one. A well nourished orchard, like a well nourished man, is as near y immune as possible. If an orchard has been bountifully fed the fruit buds will naturally show the benefit, but the gain may be more than

system of farming. A well nour-ished orchard will make liberal provision for fruiting one year ahead, but if ploughing the supply of plant food is cutoff the with ordinary ploughing in the spring will be desirable fitting. Barn-manure the supply of plant lood is cut off the following year, or materially reduced, these fruit buds will produce at the expense of the tree. Fruits are large-ly developed by reserve supplies of plant food, but this reserve supply will be desirable fitting. Barn-manure may be applied at any time it is avail-able; only do not plough it under deeply unless it has already lain on the surface for some time to leach into the soil. must be maintained regularly; it is not unlike a bank deposit, which must be constantly replenished if drawn upon. Trees may continue to bear for many ing to a diversity of soils, there are ocyears with starvation treatment, but casionally small areas upon which the the orchard itself has received irreparof its line for its product.

Orchards draw more heavily on the the manure direct from the horse sta-

may be applied to orchards by simply broadcasting; in very rolling country, it is best to work in the soil if washing rains are common. Once incorporated with the soil there is little danger of

loss through drainage. A moderate application of fertilizer is 500 pounds per acre of a mixture containing nine phosphoric acid and ten per cent of grass is grown, feed much rally. It is questionable Dotash liberally. practice to grow grass in orchards, but if it must be done know

sional. If the beginner attempts it, he is pretty sure to lose all, or nearly all, his bees, and consequently throw up the business sooner or later in dis-

The best time to start in with beer The best time to start in with bees is during the spring, not earlier than April and not later than May; and when the colonies are received, they should be placed at once on the identi-cal spot where one expects to have them remain, for changing bees around to different locations on the premises never agrees with them, and frequently will ruin them.

never agrees with them, and frequently will ruin them. Before going into bees, though, one should consider whether the conditions of his locality are adaptable to them. Some places afford good bee pasturage, while others do not. It is not strictly necessary that bees have pasturage very near by, but, all the same, they will do better when it is not too far away. A half mile is the best radius for them to work in, albeit they will often work at good advantage on any-thing within a mile and a half or two miles. If one is so situated that he miles. If one is so situated that he must depend mainly on orchard trees and garden flowers for pasture, my advice is that he let bees alone.

BEET CULTIVATION.

Beets and mangels may be planted

on the same land year after year more successfully than most farm crops. The tendency to reduce yields that is usually observed when a crop is grown on the same land for a series of years is largely offset by the effect of the thorough tillage that the beet crop requires. If this tillage is properly done, t constitutes the very best preparation for another crop. If no weeds were allowed to go to seed, the crop can be tilled cheaper next year than this. Of course the fertility must be maintained by the use of barn-manures or commercial fertilizers. If the former are used there is danger of introducbehend, but the gain may be more than lost by niggardly feeding the following Year. This is one of the evils of the tenant system of farming. A well nour-ished orchard will make liberal proviappreciate a deep soil. De ng and subsoiling in the f

PREPARATION FOR CLOVER.

Usually there is not much difficulty in securing a stand of clover, but owa writer. To guard against this failure I have for several years hauled

of its me for its product. Orchards draw more heavily on the soil than is commonly supposed. A fair crop or apples, for example, de-mands each year about 60 pounds of ni-trogen, 70 pounds of potash, and 20 pounds of phosphoric acid per acre. Fair crops of wheat or corn remove as much more mitrogen and phosphates but considerably less potash. In fact, potash is the important ingreeint in truit culture. It effects the transfer-ence of starchy matters and builds up the easing agent in fixing both flavor and color. Farm yard manures are unsafe on orchards, unless fortified with potash; because, the large relative quantity of high y available nitrogen is apt to pro-mote the growth of wood beyond the ability of mineral fertilizers to proper-ly mature. An excess of nitrogen also fruit buds. The mineral fertilizers may be applied to orchards by simply it is best to work in the soil if washing

playing on a piano has recently been needy. poplied to orchards by simply ng; in very rolling country, to work in the soil if washing common. Once incorporated soil there is little danger of that it cally requires more force to sh drainage. ale application of fertilizer nine per ceht of available acid and ten per cent of grass is group.

THE VERY LATEST FROM ALL THE WORLD OVER.

teresting Items About Our Own Countr Great Britain, the United States, and All Parts of the Globe, Condensed and Assorted for Easy Reading.

CANADA.

the twentieth century begins January 1, 1901. Vancouver Catholics will build \$60,000 church.

Stratford offers' \$95,000 for the local water-works plant.

J. T. Middleton has been appointed sheriff at Wentworth.

There will not be any military tour nament in Toronto this year. They have already begun to teach he Doukhobors English at Winnipeg. the Do

A large vein of hematite iron has been discovered to the north of Wabibeen discovered to the north of

Winnipeg already has signs of great activity in building circles and real estate during the coming summer.

The temperance people of Hamilton will petition the City Council to reduce the number of tavern licenses from 75 to 50 The Council of Arts and Industries

at Quebec has opened a night class for the making of patterns of boots and shoe

Hon. Col. McMillan, Provincial Trea-Surer of Manitoba, has returned to Winnipeg from the Southern States, restored to health.

Henderson's directory for Winnipeg places the population of Winnipeg at 49,000, an increase of 4000 or 5000 over last year.

J. E. Bayden, master mechanic at the Trail, B.C., smelter, has been kill-ed by an electric shock, while repair-ing the switchboard.

T. G. Owen, a young Ottawan, 22 years of age and son of Mr. Owen, accountant of the Marine Department, is reported to have made a fortune in the Yukon.

The Cataract Power Company has declined to fix the price for power for Hamilton, but offers to give cheaper electric light if a ten years' contract is signed.

Complaints have reached Ottawa of Complaints have reached Ottawa of the extensive importation of liquor in-to the Yukon. The Ottawa authori-ties are leaving the issue of permits to the Territorial authorities.

Owing to the grippe epidemic, the Kingston penitentiary hospital is so Kingston penitentiary hospital is so overcrowded the new south wing had to be turned into service to accommodate the convict patients.

Mr. George Hague, who has managed the affairs of the Merchants' Bank for twenty-two years, has handed over his in duties to the joint manager, Mr. Fyshe. Mr. Hague is still attached to the bank S an advisory capacity.

Ald. Roy of Montreal declares that an attempt was made by two civic employees to bribe him in connection with a recent appointment by sending to his house twelve promissory notes for \$50 each, and requesting him to ac-cept the money for his vote. A t

New Westminster has a balance of \$51,000 on hand of charitable funds after all distress occasioned by the great fire has been relieved, and the city now has a bill before the Legislature of British Columbia to empower the cor-poration to spend the money in public works and thus provide work for the need.

Several deaths have

collapsed, the shipowners having been able to find crews for their vessels without difficulty at current rates. It is announced in London that a \$57,500,000 has been arranged, spe-cially secured on Chinese railways. The Duke of Dependence and Dependence and the secure of the secur

cially secured on Chinese railways. The Duke of Devonshire and Baron Nathániel Meyer de Rothschild have subscribed £10,000 each to the Cam-bridge Endowment University fund. The will of the lete Baron Fordinand The will of the lete Baron Fordinand

bridge Endowment University fund. The will of the late Baron Ferdinand de Rothschild left \$25,000 to "my friend Herbert Wilson." There are two in London and the executors are in a quandary.

a quandary. There is talk in London of putting the practice of spiritualism on a simi-lar footing with the practice of medi-struction and licensing of mediums cap-able of conducting orthodox seances. There is not the slichtest truth in truction and licensing of mediums cap-ble of conducting orthodox seances. There is not the slightest truth in the runnoured engagement of Princess

There is not the slightest truth in the rumoured engagement of Princess Victoria of Wales to Prince George of Greece, and the fact that according to the Orthodox Greek Church first cous-ins are not allowed to marry would in any case make such a union impossible. Lady Randolph Churchill is short to

Lieutenant of Ireland, in Dublin, and Will attend a state levee and drawing room. Mr. White will be the first United States representative to attend a court function in Ireland. The Salvation Army has been suc-cessful in getting some of their goods manufactured in England accepted by the London office of Public Works. A start has been made by supplying the various departments of the Whitehall Government offices and the House of Parliament with safety matches made by the army.

by the army. A Liverpool reporter has unearthed a centenarian-Mrs. Kenmuir, aged one hundred and seven-whose husband is eighty-four. She attributes her age to a strict conformity to the teachings of the Bible. The lady's family is not-ed for its longevity. Her father lived to be one hundred years of age, and her uncle died when he was one hundred and fifteen years old. UNITED STATES. Eccelpts of notel keepers, as lar as they \$25,000,000. Of this sum about \$7.-000,000 was expended on jewellery, knick knacks and "souvenirs de Suisse. BIRDS OF ILL OMEN. They Have Beingred to France at a Critt-cal Period. The gay ladies of France and, in-

Electricity will take the place of steam on the Manhattan Elevated Railroad, New York.

The North Dakota law now require a residence of one year before a di-vorce can be secured.

Thomas Sprague is dead at Rossville, Staten Island, of hydrophobia, He was bitten by a dog a month ago. The North-western Chronicle, of St.

Paul, says Archbish op Ireland, now in Rome, is to be made a cardinal.

A party of German settlers, number-ng 100, will leave Indiana to settle n the North-west Territories in ing 100, April.

Sixty-seven cadets at Chester, Pa., were poisoned, presumably from eat-ing badly preserved cold-storage

Rev. Dr. Charles Seymour Robinson, the Presbyterian divine and well-known writer of hymns, is dead at New York

A trained bird belonging to the singer, the late Miss Emma Thursby, New York, and valued at \$10,000, is the latest victim of the grip in Goth-am. It spoke in five 'anguages.

The Medico-Legal Society of New The Medico-Legal Society of New York has adopted resolutions urging the release of Mrs. Maybrick from prison in England, and has appointed a committee to memorialize the Cueen. the

Because of continued failing health Mrs. J. Myers, a wealthy visitor from Pittsburg, aged about fifty, commit-ted suicide by jumping into the ocean from the end of Young's pier, Atlantic City, on Monday.

Lady Randolph Churchill is about to start a magazine on new lines. It will be sumptuously bound, and sold at a guinea per copy. Her son, Hon. Winston Churchill, will assist her in conducting it, and the list of contribu-tors will include Emperor William and other royal personages. Henry White, the American Charge

tors will include Emperor William and other royal personages. Henry White, the American Charge d'Affaires, his wife and daughter, are the guests of Earl Cadogan, Lord-Lieutenant of Ireland, in Dublin, and will attend a state levee and drawing room. Mr. White will be the first united States representative to attend a court function in Ireland. The Salvation Army has been suc-cessful in getting some of their goods

Switzerland has as usual, been spend-Switzerland has as usual, been spend-ing the winter in reckoning up the profits of the holiday season. Last year shows a favourable advance, the total number of tourists having amounted to 2,300,000, while the gross receipts of hotel keepers, as far as they can be ascertained, reached close upon \$25,000,000, 00f this sum about \$7,-000,000 was expended on javellary

The gay ladies of France, and, indeed, many of the sober-minded statesmen, have lately been greatly upset by the appearance of the fatal crow, which has appeared only three times before, and each time just before some dreadful calamity has swept over the country.

Its first appearance occurred one October morning at the Petit Trianon, at Versailles, in 1785, and that time it flew right up on to the window from which Marie Antoinette was leaning, and seemed to ask for food. The Queen had a biscuit in her hand, and gave it to her sinister visitor. It then flew away crying, "Caw! caw!" From that day a cark shadow seem-ed to rest over the formerly spritely and gay Marie Antoinette, and was only swept out of her life by the guillotine.

The same bird is said to have flown The same bird is said to have flown wheeling around Napoleon just before the battle of Waterloo, and when the Emperor saw it he turned pale and seemed to lose his nerve. Again it appeared just before the seige of Paris by the Germans in 1870-71, and swept down and gorged itself on the carrion in the city.

down and gorged itself on the carrion in the city. Having always appeared prior to some calamity, and appearing again after some twenty odd years, when the whole of France seems on the eve of a national upheaval, it naturally seems to forebode a dark future, and, in order not to add more distrust and confusion to the present situation, the authorities have ordered that no men-tion of it shall appear in any of the

practice to grow grass in orchards, but if it must be done, keep clipped, or pastured, close until the fruit set; after which, the free use of water by the grass may assist in maturing not only the fruit and new wood, but also forward the formation of fruit buds.

Ther which, the free use of water by the grass may assist in maturing not only the fruit and new wood, but also forward the formation of fruit buds. BEE-KEEPING. Nerve is a most important factor in andling bees, and while they should be smoked into subjection whenever hey need it, they never should be moked to excess, or just simply for as fun of it. Accordingly, it is valu-le instruction to the beginner to sit occasionally some expert bee-per, and see for himself how the the intricate things are done. Why and handling. It is sometimes able to take combs of brood from in g colonies to build un next. handling bees, and while they should be smoked into subjection whenever is

in the spring, and often to take , of brood and adhering bees from ing ones for making artificial col-

S. Then all the queen cells but She—Then I got right mad may have to be cut out to prevent him what I thought of him. the give them. the give the give the give to be cut out to prevent the prime swarm, the prime swarm, the what I thought of him. the what I thought of him just then. the what I thought of him the what I th

to give them. Bees should not be handled too much, however, neither should the number of the colonies be increased other than by natural swarming. Artificial swarming is work only for the profes-Harrity-How d'yze fale now? McLubberty, with his hands clasped over his abdomen-Begorral Oi am in sich pain thot Oi can't to jestice to ut unliss Oi ean git somebody to hilp me ache! Thot's how. Oi fale!

"tonnage" of an hour's playing of Chopin's music varies from twelve to eighty-four tons.

THE WAY OF A WOMAN.

She-Then I got right mad and told

anded. Pass Railway in bond. Trains are now running from Skagway to nearly the firm States.
wwon that Ganadian Border, and as soon as the line reaches Canadian Territory a small town near Newark, became a through the streets with a knife in to carry Canadian thoded shipments to carry Canadian tonded shipments to dairy produce last year show that out three were seriously injured. The returns of British imports of dairy produce last year show that out three were seriously injured. The total of 2,287,166 cwt. of cheese ted, Canadian cheese rules from 2 to 3,617.
and the United States 474,995 cwt., and dim gan, both dangerously injured.
and the United States 474,995 cwt., and gan, both dangerously injured.
and the United States 474,995 cwt., and the sine still or gainst the sim of g. 2,827,166 cwt., as against 1,817,781 cwt., and shift and the care are to series and the sine of south Australia.
and the United States 474,995 cwt., and the sine still or gainst the sine of S5,000 damages for the same still or the ext of kin of a person of South Australia.
and the Earl of Lindsey is dead. Lord Hallam Tennyson, son of the late poet, has been appointed Governer dof South Australia.
ww The Duke of York will command the British squadron which will receive the first of its kind.
and the top of york will command the diverse and state are and state and state.
bid The Earl of Lindsey is dead. Lord Hallam Tennyson, son of the British squadron which will receive the first of its kind.
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bid The Duke of York will command the diverse and state are anayson. Son of the state is the first of its kind.
bid The Duke of York will command the diverse comforts. Y sected behind them.
bid The Duke of York

h When a sufficient quantity is piled on to make a note sound they may found to be true. If the pianist is playing fortissimo a much greater force is needed. At times the force is generally with chords the force is generally spread over the various notes sounded put of force is undoubledly. Ala. Tom Salmon, former president of Red Lodge Miners' Union, who killed Superintendent Connor, of the Rocky Fork coal mine, for discharging him, was hanged at Red Lodge, Mont., on Iabour leader in several North-West-ern States. Hyte is a disglate to be all old maid. Marriages for love are unknown, but a Greek father is very stern in regard to a young man having ample provi-sion to support a wife. A girl's dowry consists of household furniture and linen rather than money. Although most Greek girls are na-

The Duke of York will command the British squadron which will receive the American ships in June. The Earl of Figin, former Viceroy of India, has been appointed a Knight of Northumberland. What would unarmed civilization do against armed barbarism? is one of

of Northumberland.Prussia.Prussia.What would unarmed civilization do
against armed barbarism? is one of
Lord Roberts' comments on the Czar'sPrussia.Misarmament proposal.Owing to famine in Persia, murder
and highway robbery is frequent, and
the Shah has had his body guard in-
treased.brought in and the man with the
yawning mouth tried to greet her with
a demed him a
the Shah has had his body guard in-
treased.The strike of the Clyde seamen hasThere has been a recurrence of land-