# On the Farm.

TO GET WINTER EGGS.

To make hens lay when the weather is below zero, we must see that they have warm, comfortable, roosting places free from drafts, writes Mr. C. H. Bennett. To keep free from vermin keep their dust boxes well supplied with fine road dust, mixed with a handful of pulverized tobacco, a little sulphur and a few ashes. It is well in the fall to provide a barrel of this dust so that it may be changed. Clean the henhouse often. Close up doors and windows occasionally and smoke well with sulphur and tobacco stems. A lousy hen will not lay well, neither will an overfat one. To prevent them becoming overfat attention must be directed to proper feeding, and exercise. Compel them to scratch for their grain by throwing it among a litter of straw, hay or leaves. If this is attended to regularly, with proper variety. of food you will soon have a merry, singing industrious lot of biddies, which will repay you many times over for the extra trouble. A mopish, lazy hen fed entirely on corn will not pay for her keep, as she will soon become overfat and unhealthy.

Ir order to have a well filled egg hasket it is absolutely necessary to give a variety of food. 1 give for their morning meas a mash of wheat bran corn meal, ground buckwheat or oats mixed with some sort of cooked vege-tables such as potatoes, turnips, beets, etc. For dinner I scatter among the litter in their scratching shed some whole wheat buckwheat or millet left in the head. For supper I feed parched corn, as thus is the best food that can be given to keep up the warmth of corn, as this is the best food that can be given to keep up the warmth of their bodies during the long, cold win-ter nights, although I give a feed of other grain sometimes at night for a change. Feed meat once a week ge. Feed meat once a week, and within their reach plenty of grit change keep within their reach piency and charcoan and give some ground bone; chopped onions twice a week bone; chopped onions there hear them healthy. I always ; chopped onions twice a week to keep them healthy. I always keep plenty of milk and clean water for them to drink. An occasional dust of red pepper in their morning mash will warm them up and stimulate egg production. I have found venetian red excellent for laying hens; it will pre-vent cholera and other diseases besides increasing the number of eggs. If the above mode of treatment be com- intended to run away after eating menced in the fall before the weather without paying. There was hesitation becomes severe, the hens will be in a good condition to withstand the cold weather and will repay their owner many times by laying a wonderful number of eggs right at the time when eggs are bringing the highest

## ORCHARD MANURING.

So much mischief can be done by applying manures of the wrong kind in orchards that we doubt if we do not lose more by manuring than by not lose more by manuring than by neglecting to manure. Fruit trees do not require at any time barnyard manures, or their equivalent. What they the duke. "Why that is quite a cointrel of the duke." ures, or their equivalent. What they require is a supply of inorganic food. You can do no better for apple trees than to supply them with coal ashes in which there is a liberal admixture of wood ashes. The coal ashes loosen the soil; the wood ashes furnish the fertilizer. If you can get a supply of old mortar you have just the thing you need. A mixture of lime and salt, when so mixed as to leave no free salt. is excellent for all fruit trees. All such manures should be applied as a topdressing. A peach or plum orchard needs nothing better than swamp muck or earth from the woods, with a slight addition of phosphate and pot-

dd in England. The Russian naval administration will complete the construction during the present year or synthem planeting a pear or apple tree will kill it. Grapes of course want phosphates and potash. They will also respond to a free application of liquid finantial manures during their periods of rest, both in winter and in midsummer. All the tall growing berries, of the bramble sort, will use a large amount of organic matter. But be careful about dressing your raspherries with rank decomposed barnyard manure. The probability is at any time you will develop a fungold disease that you cannot easily master. If you use barnyard manure in raspherries it should be thoroughly comminuted with the soil as a compost. In fact, we prefer to compost every manure before it is placed on my gardens. Equally important as the manure is the mulching of our fruit trees as bushes of all sorts.

SITTING HENS.

When hens show a desire to sit divide the runs into two with wine and the runs into two with wine wide the runs into two with wine wide the runs into two with wine and the results. Among the queer things left in Longing of course want phosphates and potash. They will also respond to a free application of liquid administration will complete the construction during the present year or experiod and that the present stand of that the present story and a first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class ironclads, 4 cruisers and 2 torgedo boats. Next year 3 first-class iron

When hens show a desire to sit diting, keeping half of the fowls in one division and half in the other. As soon as a hen in one yard shows any signs of broodiness, she should be placed in the other, when she will invariably spend two or three days running backward and forward trying to get back through the wire; at the end of that time she has forgotten that she wants to sit, can be returned, and will probably commence laying again in about three weeks. The plan is obviously far superior to that usually followed of cooping a hen when broody, as the incessant exercise must have a strong effect in lessening the tendency to sit.

VILLAGE POULTRY.

One may sum the whole thing up by saying that a growing chicken needs room enough to take sufficient exercise a balanced ration of grain food, green food as much as he will eat, meat food in the form of insects, or the prepared food made to take the place of insects, and place of insects, and place of insects, and place of insects, and place of insects. food made to take the place of insects, and plenty of good pure water. Fulfil these conditions on a village lot, and the chicks will have every advantage a farm raised chick has, and if the breeder is thoroughly interested in his work they will receive some extra advantages that few farm raised chicks

### TREATMENT OF COWS.

We have found that civil treatment of cows in the dairy barn is sure to create civility among our dairy cattle, and inspires a confidence that insures success. We feel that every item of interest that dairymen manifest in the winter care of their cattle is so much bonafide capital invested that pays a send dividend enpually and are sure good dividend annually and are sure that many are competent to verify the

SHEEP AS BRUSH DESTROYERS.

The cheapest way to clear a piece of land covered with small brush is to pasture sheep upon it. If the brush is cut with a scythe before turning in the sheep the tender sprouts will be the sheep the tender sprouts will be kept down about as fast as they appear. The roots will dry off and decay in one or two years. Cleared in this way, a field will not again grow up to brush if allowed to remain idle a few years. Not the least benefit to the land is the fertility added in the droppings of the sheep and the unusual freedom from weeds for several years.

SIMPLE FATHER OF AN EMPRESS

The death of the Empress Elizabeth of Austria has brought out many stories of her and her family. Some of the most interesting are about her father, the Duke Maximilian, This man was a remarkably genial and simple character. Once he was making a pedestrian tour and stopped in a small tavern to eat. He had a zither with him, and some guests asked him to play, thinking, on account of his plain clothing, that he was a strolling musician. He obeyed readily and played everything that he could think of till coins rained after eating about serving the food, and while the duke was waiting a corporal of one of his regiments entered the inn. He saluted, much to the duke's embarrassment, who threw the money for the meal on the table, and ran away, says

Once the duke was in a train training to Vienna to visit

Once the duke was in a train traveling to Vienna to visit the imperial family. In the coupe with him was a banker, who, misled by his fellow traveler's simplicity, patronized him, and in the course of a conversation told him that he had a daughter in Vienna who had married year wall. She was the duke. "Why that is quite a coincidence. I have a daughter in Vienna who has married very well, too." "Who is the husband of your daughter, my good man?" asked the banker, and in his most harmless tone, Maximilian answered, "the Emperor of Austria."

A recent British Consular report from the far East describes a suspension bridge of 300 feet span, made of bamboo. The cane is split up into fibers and twisted together to form the cables. Considering its span the material of the structure is quite remarkable.

Lord Mountstey and says he intellike sum annual The wife of Multiple of Multipl

time, it should be thoroughly decomposed and applied as a top-dressing. Such manure, if placed about the roots, when planting a pear or apple to

Among the queer things left in London cabs and stages the past year were an artificial leg, a wooden bed-rest, birds in cages, dogs, a gas stove, a portable street harmonium and a sew-portable street harmonium vide the runs into two with wire net- don cabs and stages the past year were ting, keeping half of the fowls in one an artificial leg, a wooden bed-rest,

# THE VERY LATEST FROM ALL THE WORLD OVER.

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

CANADA.

A rumor says Parliament will be called for March 16. The Quebec budget shows a reduction in the deficit.

The G.T.R. is building 500 box cars at its works at Point St. Charles. It is reported that platinum is being

found in large quantities in the Klondike The Grand Trunk is building six ten-wheel passengers engines and six mo-guls for freight service.

Ald. Laurin has resigned from the Council Board of Hull to become a policeman at \$500 per year. The National Council of Women at

Ottawa will petition the city council to establish a public library. Drs. D. C. Maclaren and A. Quack-enbush, two Ottawa homeopathists, have issued a circular setting forth

their objections to vaccination. The Donnelly Salvage & Wrecking Company has purchased the steamer Eurydice and will use her in connection

with their wrecking operations. Burglars entered the residence of Mr. Alphonse Lapierre, Montreal, chloro-formed the inmates of the house and robbed them of their valuables.

There were 1,232 deaths; 498 mar-riages, and 1,349 births in Ottawa, in 1898. During January, 1899, there were 95 deaths from all causes as compared with 84 for the same month last year.

Dr. D. V. Innes, Canadian immigra-tion agent in the United States, es-timates that fully 5,000 persons will remove from that country to make their homes in the Canadian North-West this year.

The magnificent residence of the late The magnificent residence of the late Sir John Abbott at Montreal, has been purchased by a syndicate of wealthy gentlemen, and will be used as a poli-tical club. The price paid was \$40,-

Dr. Leduce and J. A. Bousequet into his hat. Then he ordered a meal that was so expensive for a strolling that was so expensive for a strolling to bribe an alderman with \$600, to secure

The Brockville Peat Company has been granted exemption from by the Elizabethtown Council on the lands, buildings and in chinery neces-sary for the carrying on of peat manu-facturing on a large scale in that township.

Dr. E. Pelletier, secretary of the Quebec Board, has issued a bulletin to the Board of Health regarding the present status of smallpox in that province. There have been II cases in all since the outbreak, all in Soulanges

GREAT BRITAIN.

Mr. Sexton declines the Irish leader-It may go to Sir Thomas Henry

William Laird of the famous ship building firm of Laird Bros., at Birk-enhead, England, died on Tuesday.

Lord Mountstephen has sent £1,000 the Prince of Wales' Hospital fund, and says he intends to contribute like sum annually. The wife of Mr. John Putt, farmer,

light addition of phosphate and potsh.

According to the St. Petersburg St. Parley Farm, Chudleigh, England, gave birth last week to 4 children, 3 girls and a boy. Mother and babies are doing well.

The Program of The Program operations of the standard of the St. Petersburg St. Parley Farm, Chudleigh, England, gave birth last week to 4 children, 3 girls and a boy. Mother and babies are doing well. Canterbury Town Council has decid-

receives for his daily rations 16 oz. of bread, 12 of meat, 2 of rice, 8 of dried vegetables, 16 of potatoes, and once a week he receives 2 oz. of salt, 4 of coffee, and 9 of sugar.

Col. John Morgan, Mayor of Brecon, Wales, has signified his intention of laying down at his own cost plant for the electric lighting of the town. It is estimated that this will practically mean a gift of £5,000. In connection with the Patti wedding, the Mayor will also bear the cost of the street decorations.

The number of women employed in the English post office at the present time is ever 30,000, or about one-fifth of the whole of the vast army of workers in that huge department. Of that number 1,320 are employed on clerical work of a high order, and with great

Mrs. Spurgeon, wife of the pastor of Mrs. Spurgeon, wite of the pastor of the Metropolitan tabernacle, London, held a reception Wednesday in aid of the fund for the rebuilding of the edi-fice, which was destroyed by fire on April 20, 1898. Within an hour she collected £5,000, she herself contribut-ing £250.

The Gas World declares that there are now in use throughout Great Britain no fewer than 500,000 country penny-in-the-slot meters. These consume 7,000,000 cubic feet of gas, or as much as is sold in Birmingham and Leicaster combined, to all classes of consumers. In recent years the output of copper coin has greatly increased from this cause.

The Drapers' Co., of London, Eng., have offered to make a contribution of #800 a year for ten years towards the development of facilities for agricultural education at an important seat of learning. The only condition the company make in connection with their

support. It is proposed to raise £20,000 to provide a stipend and expenses of a bishop, who shall undertake the oversight of the whole work of the church of England in Egypt and the Soudan. At present this region is included in the jurisdiction assigned to the Anglican Bishop in Jerusalem; and the bishopric contemplated must, until circumstanc-contemplated must, until circumstanc-es allow of a division in that jurisdic-tion, be in the relation of assistance to him.

UNITED STATES The cereal food companies of the

United States are combining. The people of the United States consume about 4,000,000 bottles of pickles

The new car manufacturing combine formed in the United States involves a capital of \$60,000,000.

Considerably Australian gold, reminted at San Francisco, is coming to New York by registered mail.

Miss Lena Gordon, of Cornwall, onn., is suffering intensely from Conn. wisdom teeth which grow sideways The Electric Boat Co., New York, has been organized to build boats and run a steamship line. Capital \$10,-000,000.

A consolidation of all the tin-plate and steel interests in the United States is registered at Chicago, with \$300,000,000.

Thousands of sheep have perished in Nebraska as a result of the late sev-ere weather. They were mostly sheep that were brought from the South and not yet accustomed to the rigourous climate.

A Buffalo delegation in Washington mad are spending their days and nights duri with great diligence, asking members the to support a bill granting \$500,000 for the Pan-American Exposition in that

for indemnity on account of the Hun-garian strikers killed by Sheriff Mar-tin's posse at Hazelton, Pa.

prize fight in Cape Town, at which the native was terrifically beaten, dying from his injuries a few hours later.

Electrical weaving machines are in use in Germany. Seamless stockings, with double heels, are rattled out of each machine at the rate of 11 pairs

Central China is seething with discontent. Rebel Yu-Man-Tze is reported to be on the read again, and to have captured two French missionaries.

The Norwegian Army has a highly trained corps of skaters armed with repeating rifles. These men can be maceuvred on ice with a rapidity equal to the best trained cavalry.

The British military authorities in India and elsewhere have at their comman 25,000 camels. Thousands of these useful but ugly animals are used in India to carry stores of all kinds when troops change quarters by line of march.

While there are 125,000,000 people whose everyday language is English, there are only 90,000,000 who speak Russian, 75,000,000 who speak German, 55,000,000 who speak French, 45,000,000 who speak Spanish, and 35,000,000 who speak Italian.

### THE TRANSVAAL MINES.

198 Gold Mines, but Only 38 Pay Dividends -The Diamond Industry-Coal

The report on the mining industry of the South African Republic for 1897 presented to the Volksraad gives remarkable details of the progress made in the gold mining in the Transvaal and the striking regularity in the offer is that the Board of Agriculture yield of gold, hardly equalled by any shall give the scheme the benefit of its other known gold field. other known gold fields. The capital of the 198 gold mines working at the end of 1897 was \$363,863,750. Of these, 28 mines with a capital of about \$50,-000,000 paid \$14,750,000 in dividends, or nearly 30 per cent. Sixty-four other mines were producing gold but paying no dividends, and some could not pay

> The total value of the gold yield in 1897 was \$58,250,000, being \$15,000,000 more than in 1896. cent, was from crushing mills and 34 per cent, by chemical extraction. The quantity of ore worked was 5.741.311 tons, which gives a yield of a little over \$10 to the ton, which as the working expenses were about \$6.62 per ton, left a net profit of \$3.38 per ton. The working expenses in 1896 had been \$6.83. and in 1895, \$7.54 per ton. The total expenditure of the gold mining industry had been \$45,250,000. As during the past year, so in 1897. The Transvaal Government refrained from levying the tax of 21-2 per cent, on the yield, and as there is no income tax and no exchange or stamp duty is paid on newly issued shares, the gold min-ing industry does not appear to have much to complain of in that respect. The reduction of the price of dynamite by \$2 and the lowering of railway rates contributed in increasing the profits.

There were, however, great losses made in Transvaal mining securities during 1897. These are attributed to

UNSCRUPULOUS PROCEEDINGS. of promoters, who formed nearly 400 companies with a total capital of \$300,-The State Department at Washing-ton has declined to recognize the claim of the Austro-Hungarian Government of the Austro-Hungarian Government paying was entirely out of the ques tion even if dynamite had been importtin's posse at Hazelton, Pa.

The imports at the port of Buffalo for the past year totalled \$3,543,000. Of this \$3,242,705 was from Canada. The chief items in the Canadian list were cattle, \$851,530; horses, \$30,374; sheep, \$598,145, and lumber, \$359,-412.

The disappearance of the Chinese who were admitted to the United who were admitted to the United States to take part in the Trans-Mississippi Exposition at Omaha' is still a mystery, and there is trouble ahead for all the Chinamen in the United States.

A banana trust is talked of in New States. States.

A banana trust is talked of in New York, a candy trust in Chicago, in Boston a consolidation of the print works in the United States, and at Providence, R. I., a consolidation of all the large steam engine building companies.

The war investigating commission at Washington has prepared its report. The beef supplied to the Cuban expedition is declared to be good enough for an emergency ration, and the success which attended the American arms seems to have decided the commission in finding generally that the conduct of the war was all right.

GENERAL.

only resulted in encouraging desertions of laborers from one mine to pass through the agent's hands to a brief service at another, when the process would be repeated. The Transval Government has done what it could, short of reducing the Kaffirs to actual slavery, to remedy these evils, but without much effect. It is estimated that the losses incurred through the causes enumerated amounted to the very considerable sum of \$10,750,000.

of which rather more than half was by theft. The total area of gold claims in 1897 was 251,659 acres, a large decrease on the previous year, due to the abandonment of worthless claims.

GENERAL.

GENERAL.

The Sultan of Turkey is ill. He has a variety of delusions and is in constant fear of assassination.

Six cases of wellow fever have deve.

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162,915 tons over that of 1896 The Stant fear of assassination.

The trawler Neptune has landed at Grimsby a singular catch, consisting of 56 casks of butter, which were picked up in the North Sea, 25 miles to the north of Hartlepool. The skipper found the sea almost covered with casks of butter.

The cabbies of London, 7,000 in number, are on strike because the Police Commissioners prohibited empty cabs standing on the Strand, Picadilly and Bond street. The hotels and theaters are hit hard.

Right Hon. Sir Henry Campbell III. Soudan.

Soudan.

A member of the Japanese Diet has a field near Pretoria, which, it is hop-him for merly Chief Secretary for War, has been elected to succeed Sir William Vernon Harcourt as leader of the Liberal party.

The British soldier is the best fed individual of his class in Europe. He

Soudan.

A member of the Japanese Diet has accused the Government of paying a field near Pretoria, which, it is hop-him for his vote on the land tax bill, recently passed.

As an indication of the general depression in the Cape, the railway revenue shows a weekly reduction of \$100,000 as compared with last year.

A British soldier and a Kaffir had a diamond fields.