Fertilizing Fall Wheat

Unless a man understands at least a little about the ingredients that go to make up artificial fertilizers he had better leave them alone entirely.

Although we do not know as much the discount of the little should be the same wight.

about feeding plants as we might,

leached out of the soil.

Nitrogen, when bought in fertilizer, Ascot hat, his white spats, and his costs about eighteen cents per pound. It stimulates the growth of leaf and stem in the plant, and when used in proper proportion with the other elements of fertility is a very useful ingredient. When too much of it is greater they grow too. Sir Edward Gray and Mr. A. J. Balused on grain crops they grow too dall and lodge. Also when too much nitrogen is used the plant is very apt to be attacked by fungus diseases.

Sir Edward Grey and Mr. A. J. Balfour to preside at his lectures on the conflict on separate occasions.

The reason why Mr. Wm. R. Pringer

in nitrogen, potash, and phosphoric to be presumed, suffer the same fate, acid. The roots, on account of the open texture of the soil, can ramify King Nicholas, the homely monarch

of wood ashes per acre, will be very beneficial. When fall wheat follows clover or a hay or pasture crop, this application is not so necessary, but after a grain crop that has not received any fertilizer it should not be neglected. neglected.
The fertilizer should be sown, pre-

ferably with a machine. There are two kinds of machines on the market: the broadcast machine and the drilling machine that sows the fertilizer with the grain. The broadcast machine is much the most desirable, as if the fertilizer is sown too near the grain, and especially if a heavy dressing is given, there is danger of the young plant being injured. On every farm that has been under cultivation for any considerable time there should be machine for broadcasting fartilizer. much the most desirable, as if the fer-

any considerable time there should be a machine for broadcasting fertilizer. This machine can be used not only for applying special fertilizers like basic slag and acid phosphate, but also for applying the ground limestone.

If one does not feel inclined to invest in a fertilizer machine, the fertilizer can be sown by hand just as seed is sown. To get a good distribution it is necessary to increase the bulk of the fertilizer to at least half a ton per acre before sowing. This is done by mixing it with sand, dry earth, or ashes. By Dasiel McKee, B.S.A., in The Canadian Countryman.

"While I was there I used the food regularly. I gained weight and felt so well that when I returned home I began using Grape-Nuts in the family regularly.

"My little 18-months-old baby shortly after being weaned was very ill while teething. She was sick nine weeks, and we tried everything. She became so emaciated that it was painful to handle her, and we thought we were going to lose her. One day a happy thought urged me to try Grape-Nuts soaked in a little warm milk.

"While I was there I used the food regularly. I gained weight and felt so well that when I returned home I began using Grape-Nuts in the family regularly.

Nuts soaked in a little warm milk.

"Well, it worked like a charm, and she began taking it regularly, and improvement set in at once. She grew well and round and fat as fast as possible on Grape-Nuts.

"Some time ago several of the family were stricken with La Grippe at in Leicestershire, sleep in Staffordshire, drink in Warwickshire, and smoke in Derbyshire."

"Henry," whispered the bride of two hours, "You don't regret marrying me, even yet?" "No, darling," replied Henry. "Not even yet!" The train sped on, and she was happy for another five minutes.

CHILDHOOD DANGERS.

When to Use Artificial Fertilizers and
When Not To.

Some people think that fertilizers little life passes out. If Baby's Own Some people think that fertilizers little life passes out. If Baby's Own are all composed of the same ingredients, and as long as they apply something that is called "fertilizer" all will be well, and a bumper crop and bumper profits will result accordingly. There can be no greater mischake than this. Nothing can be worse than this "hit or miss" way of using fertilizers. fertilizers.

Unless a man understands at least

Medicine Co., Brockville, Ont.

PEEPS AT PEOPLE.

Is thirteen an unlucky number

Although we do not know as might, still, experiments with fertilizers have been going on now both by practical farmers and scientists for over sixty years, and the knowledge thus gained is not to be despised.

There are some ten elements required for the proper growth and development of the plant, but usually we only have to supply four of these in manure and artificial fertilizers, as the soil almost always has a superabundance of the other six.

The elements that have to be suptled.

Is thirteen an unlucky number? The Germans in South-West Africa must think so, for there are thirteen letters in General L. Botha.

The Chief Rabbi, Dr. Hertz, who has been visiting the Front, is not so well known as his predecessor, the late Dr. Adler, but this disadvantage will disappear in time. He has a horror or of being interviewed, which is why his name is so rarely seen in the newspapers.

The actress who possibly feels the deepest interest in the Australian

the soil almost always has a superabundance of the other six.

The elements that have to be supplied are lime, nitrogen, phosphoric acid, and potash.

Artificial fertilizers are not usually sold for the lime they contain, as this element can be obtained more cheaply from the lime quarries in the form of the contained more despited to be treasurer of the Opera fround limestone.

Very amusing for the dryness of his

from the lime quarries in the form of ground limestone. Ground limestone whould be applied to the soil once every five or six years at the rate of two tons per acre to make up for the quantities that are being continually leached out of the soil.

House, Melbourne.

Very amusing for the dryness of his remarks in the House, Mr. Harry Watt, the broad-shouldered M.P. for two tons per acre to make up for the college Division of Glasgow, is the most sartorially resplendent figure in Parliament to-day, with his white acret het his white spats, and his Nitrogen, when bought in fertilizer, Ascot hat, his white spats, and his

Phosphoric acid is very necessary gle, the very active Scottish M.P., for the proper filling out of the grain. It hastens the maturity of the plant that he believed all the information and has the remarkable property of inducing increased root development. Potash is required to produce strong straw. Having the property of His views may be wrong, but no one

strong straw. Having the property of aiding the formation of starch, it helps considerably to fill out the grain, and it has been observed that plants well supplied with potash are much less liable to be attacked by rust and other diseases.

Different soils differ of course in the amount of these elements they contain. Sandy soils are usually deficient in nitrogen, potash, and phosphoric acid. The roots, on account of the

The nature of the soil, then, and the Queen Alexandra, and it becomes her state of its fertility has to be taken into account before fertilizers can be markable. One day she is found drivinto account before fertilizers can be used with any intelligence.

Wheat is a deep-rooted plant and can utilize the phosphoric acid and potash reserves in the soil much better than shallow-rooted plants like oats and barley can.

When fertilizers have not been used before, however, and if the land is not exceptionally fertile, it will be found that an application of about 250 pounds of acid phosphate or basis slag, with about three hundred pounds of wood ashes per acre, will be very

-4-FAMILY FOOD

Crisp, Toothsome, and Requires No Cooking.

A little boy asked his mother

All hall, Britannia, unconquered for ever,
Thou blest rock of ages enduring for aye;
With loyal devotion that time shall not sever
We'll defend thee like men or fall in the fray.
Then forward and lead the van,

Then forward and lead the van,
Canadians every man,
Stand proudly to arms with thy face to the foe,
From forest and rolling plain
With pride we will shout again,
For the land of the Maple, yo-ho, lads, yo-ho.

The flag of Britannia, Canadians, remember
Undimmed yet in glory still waves on the breeze,
The boast of the hero that will never surrender
Nor dishonor her name on land or on seas.
We're no cowards to tremble
When the Northmen assemble
O'er the wild field of battle triumphant to go;
As gally we march along

As gaily we march along

Every man join the happy song, For the land of the Maple, yo-ho, lads, yo-ho. That old British Flag, let us gather round it,
Moor its staff on the rock, fling its folds to the sky.
'Tis the flag of our fathers; in glory we found it,
In glory we'll leave it, or defending we'll die.
Its fame who won't cherish
Let his name ever perish,
To the depths of derision the coward shall go;
While we sing loud the happy strain
Let the hills and rocks ring again.
For the land of the Maple, yo-ho, lads, yo-ho.

Proud ensign of Canada, long may it wave Proud ensign of Canada, long may it wave
Over country and King, for our faith and our laws,
As a shield to the weak and a hope to the brave,
Where right is our watchword and honor our cause.
For freedom a thousand years
It has braved, amid hopes and fears,
The arts of the traitor and wiles of the foe.
Come, then, let us shout again
As loval and noble men

As loyal and noble men, For the land of the Maple, yo-ho, lads, yo-ho.

St. Marys, Ont.

By A. P. Marshall, Niagara Falls, Canada.

Many blighted hopes for heavy winer results with poultry can be direct-y traceable to the neglect to furnish correct early enough things that, while they do not in any way cause trouble, yet when severe conditions begin to appear they catch the flock unprotected and susceptible to disease and unable to withstand the first se-

vere changes when they come.

Birds, therefore, should be early to the necessary winter comfort of the birds should be provided, so that when winter really comes along they should be used to the conditions that should be used to the conditions they are to have. If any changes are necessary in the coops, the sooner they are arranged for the better. Hens

it always bothers them to have any changes made. If a decision can be reached as to the exact arrangement

a new floor will be put in, whether dirt or sand will be obtained to supply mer material for the floor, or what change will be made in the nests, hop-per, roosts, or other inside surround-ings. Generally if some careful thought is given the matter in ad-vance, better arrangements will be the result than if everything is left. vance, better arrangements will be the result, than if everything is left to the last minute and provided for only when need becomes absolutely imperative.

There are many other ways that provision can be made for the coming winter that will not only prove a sav-ing, but often things can be provided which otherwise might not be readily procurable when one might be willing to do almost anything to secure them. Grain as it is being harvested, green food of a very great variety, and many little farm products that are practically a waste to the farmer can be procured for a song, and the saving and advantage to the hirds be included. The control of which otherwise might not be readily ing and advantage to the birds be throughout the world.

-WILLIAM JOHNSTON.

ADVANCE WINTER PREPARATIONS.

Such as to bring bigger results than
can be secured any other way.

What must not be forgotten is the
culling of the flock to as nearly what are to occupy the coops, and the ar-rangement of the pens, so that no change will be necessary among the

the birds, and if it is possible to have the layers and breeders settled well before winter sets in, the increased results will repay for any extra effort or consideration given at this time.

The best birds for breeding should be selected, and any special attention given them now will show later in the chicks. No better time can be found to determine the probable breeding value of the birds than when they are serie changes when they come.

Birds, therefore, should be early housed in such a way as to prevent any possibilities of contracting discase. All windows should be in place, any cracks to cause drafts should be filled up, and everything that will add to the necessary winter comfort of the birds should be provided, so that

them as breeders.

The males should be selected as early as possible and given every conget accustomed to certain things, and it always bothers them to have any changes made. If a decision can be open texture of the soil, can ramify and spread, and phosphoric acid is not so much required as it would be on a soil of closer texture. Potash is the fertilizer sandy soils require most. On clay soils, on the other hand, phosphoric acid has not only proven to be beneficial because of actual lack of this element, but also because it tends to make the roots spread out, and thus, to a certain extent, counteracts the tenacious nature of the soil, then, and the sould be taken to encourage him to feel that he is cock-of-the-walk, and The nature of the soil, then, and the sould be taken to encourage him to feel that he is cock-of-the-walk, and his development will be put in whether the soil that they preside over. To lose his spirit usually makes a male less valuable as a breeder, and continuous abuse at the hands of an-otherwise good bird. No risk should be run of ruining a particular pains to do their best right through the winter.

Serbia.

Sing Nicholas, the homely monarch and equipment desired, it is best to have it carried out as early as possitor he once remarked: "When you have it carried out as early as possitor he once remarked: "When you try, don't forget my daughters"—an allusion to the brilliant marriages made. If a decision can be reached as to the exact arrangement and equipment desired, it is best to have it carried out as early as possitor he once remarked: "When you have for gound the suit carried out as early as possitor he once remarked: "When you all their surroundings, so that they preside over. To lose his spirit usually makes a male less valuable as a breeder, and have it carried out as early as possitor he once remarked: "When you have it carried out as early as possitor he once remarked: "When you have it carried out as early as possitor he once remarked: "When you have it carried out as early as possitor he necked with the visit carried out as early as possitor he necked with the visit carried out as early as possitor he necked with the visit carried out as early as possitor he necked witha his development will be so much bet-ter, that his service will be very much more than was otherwise possible.

The foregoing are only a very fee

ideas that present themselves, merely suggest that it is well about this time to try and think ahead, and placing ourselves in the position of the winter season, think out all the possible requirements that will be possible to arrange for now, and doing so, save money, and have things that it will be impossible to readily supply without making the cost pro-hibitive.

Tea Costs More Money.

THE WAR OF MONEY BAGS

Those Terrible Pangs of Kidney Suffering Can be Cured

stopped for all time. Those sharp attacks when bending over, and that lameness in the morning can also be overcome. Every ache and pain due to kidney weakness will disappear quickly once you start to use Dr. Hamilton's Pills, a marvelous remedy long ago made famous by its strange healing effect upon the kidney and liver. Don't wait till that dragging pain in the loins grows worse. Start the cure to-day. Delay will mean swelled ankles and limbs, sharp rheumatic pains in the muscles and joints, and other painful symptoms as well. If you are always tired, have continuous headache, dizzy spells and spees before the eyes, or ringing noises in the ears,—these are common symptoms that warn you of the immediate need of Dr. Hamilton's Pills of Mandrake and Butternut. Sold in 25c. boxes by all dealers in medicine.

RISKS WITH CHEAP SEED CORN Bad germination in seed corn, com bined with prolonged cold weather at time of planting, has been the cause of much disappointment this season to ensilage growers. The seed corn growers of south-western Ontario were almost equally disappointed through being unable to find a market for their thoroughly-dried corn of strong vitality. Many samples were taken by seed inspectors, and the in-vestigations made indicate clearly that at least 75 per cent. of the cause for a poor stand can be traced to the ensilage growers buying low-priced

Unfortunately, high-priced seed is birds. Nothing seems to upset a flock more than the continual changing of the birds, and if it is possible to have not always a guarantee of high qual ity, but low-priced seed is possibl

serious risk they take in using corr wintered in this way. It is always advisable for growers to procure seed corn on the ear, as during moist wea ther shelled corn in transportation or storage will absorb moisture and mold within a very few days, thus destroy-

Minard's Liniment Cures Burns, Etc. Liked the Eats.

ing its vitality.-Seed Branch, Otta

"Did the new cook come this norning?"
"Dropped in about 12."
"How do things seem to suit her?"
"Well, she liked the lunch I gave her so well that she has agreed to stay for dinner."

Minard's Liniment Co., Limited.

Dear Sirs,—I had a Bleeding Tumor on my face for a long time and
tried a number of remedies without
any good results. I was advised to
try MINARD'S LINIMENT, and after
using several bottles it made a comusing several bottles it made a complete cure, and it healed all up and disappeared altogether.

DAVID HENDERSON.
Belleisle Station, Kings Co., N.B.,
Sept. 17, 1904.

Grateful.

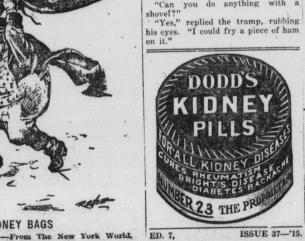
Mr. Bullion Bag (to Count Spaghetti, about to marry his daughter)
—See here, count, let me give you a tip. Count Spaghetti (holding out his gian refugee.'

Minard's Liniment Relieves Neuralgia.

hand)-Sank you, sare

Using a Shovel.

as lying asleep beside one furnaces, and roused him with the



ISSUE 37—'15.

NO REFUND OF WAR TAX.

A matter of importance to the public and the railways has been settled by the Government. A nice point has been raised as to the possibility of re-fund of the war tax in case a person Don't give up! You can be cured and made well again. That back ache and dragging weariness can be stopped for all time. Those sharp attacks when bending over, and that lameness in the morning can also be

coffers and nothing but an act of Par-liament can get it out again. It was explained by the Dominion authorities that in order to prevent the confusion that would arise in applying literally the millions of tax stamps that would have been required on railway tickets and the consequent difficulties which would have ensued owing to delay in affixing and cancellation of stamps, the present method had been adopted, and, that as none of the public could have reasonably expected a refund on a stamp that had been affixed and cancelled, if ticket were refunded upon, so also no refund may be expected wherever a tax had been collected, and the ticket unused and refunded upon. In other words, the act funded upon. In other words, the act of purchase of the ticket in accordance with the Tax Act is a completed tran-saction so far as the collection of the tax is concerned, and under no cir cumstances as the law now stands could it be refunded. To make a re-fund of the tax possible a special act would have to be passed by parlia-

Getting It Straight. Husband-You spend altogether to wife-Not at all! The trouble is

you don't make enough. Corns Instant

Relief Paint on Putnam's
Corn Extractor tonight, and corns feel
better in the morning. Magical the
way "Putnam's"
eases the pain, destroys the roots,
kills a corn for all time. No pain.
Cure guaranteed. Get a 25c. bottle of
"Putnam's" Extractor to-day.

Close Distinction.

"What is your reason for thinking your party ought to be successful next election?" "I didn't say it ought to be successful," replied Senator Sorghum firmly. "I said it is going to be."

Minard's Liniment Cures-Dandruff.

A Mystery. 'Joan of Arc was a spinster; was she not?'

"Yes; why?"
"Oh, I was just wondering how she got her armor buttoned up

LOW PARES TO THE CALIFORNIA EXPOSITIONS VIA CHICAGO & NORTH WESTERN BAILWAY.

Tramp-"Please, mum, I'm a Bel-Lady-"Are you? Mention a town Tramp (cogitating a moment)—"I would, mum, but they have all been

The foreman of a large iron works was short of laborers, and, as a last resort, went to an old tramp who was lying asleep beside one of the have no time to think of disagreeable have no time to think of disagreeable have no time to think of disagreeable

things. "I say, my man, are you wanting ork?"

"What kind of work?" asked the amp.

"Can you do anything with a grant over his family over his family." mounting guard over his family.



The Freedom of the City of London her of mirrors so as to bring the rays of the sun to a point called a focus, which means a hearth. The heat thus gathered from the sunshine is said to have been sufficient to set fire to

the Roman ships, which were besieg-ing the harbor of Syracuse.

When troubled with fall rashes, eczema, or any skin disease apply Zam-Buk!

Surprising how quickly it eases the smarting and stinging! Also cures cuts, burns, sores and piles. Zam-Buk is made from pure he

am-Bu

PARMS POR SALE.

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MISCELLANEOUS

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application KILLS all Mites and their reappearance during the



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