1. General Purpose Barns.

wan; or the Chief Forester, Victoria, B.C.

do them in dress or in elegance of pick up small lots.

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the best designs for your Farm Buildings. The buildings show detailed plans and complete bills of materials for buildings that have all

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10. Farmhouses.

Scientific Agriculture

SEE PAGE EIGHT FOR MARKET REPORTS

FARMING CONDITIONS ACROSS THE LINE

The United States report of agriculture just issued contains some food for thought which Canadian farmers might consider. For instance, the pig clubs, started a comparatively short time ago, promise much towards increasing the meat supply in that country.

for increasing the number of meat animals. The ties in this direction as far as available funds permitted. The attention of the single-crop farmer has been directed to the need of diversification and the introduction of livestock as essential to a sound agricultural economy.

Among the most promising agencies for increasing the meat supply are the pig clubs. These now have a membership of about 9,000 boys and girls, and over 2,000 registered hogs are owned by the members. Poultry clubs also have received much attention, the membership now being approximately 4,000. The report continues:

"Last year the ease with which the meat supply can be increased materially by controlling or eliminating the common livestock diseases was pointed out. The direct losses from them are enormous. It is impossible to give any accurate statement even of direct losses. The indirect losses, which also are great, cannot be estimated at all. It has been conservatively estimated, on the basis of data for thirty years, that the annual direct losses from animal diseases are approximately \$212,000,000."

ABOUT MANURE

blants, ect. These residues, as we good advantage in the heap. Similarmay call them, accumulate from year ly, old sods, the cleanings of ditches, to year in and on the soil, and in the dead leaves, road scrapings and loam

general plan, but one which need not be adhered to too closely, is to build t a rich, fertile, virgin soil.

of a rich, fertile, virgin soil. up the heap in alternate layers, of say Worn-out Soils—The wearing out of six inches in depth, of vegetable ref-

worn-out Soils—The wearing out of six inches in depth, of vegetable refsoils—by which is understood the deuse and manure (less manure may
cline of yields through cropping under
serve if the supply is limited), coverin trational method of farming—is
due not so much to the abstraction of
good soil or muck when the heap has

plant food as to less of humus or semi-decayed vegetable matter. Humus is or five feet. It is important that the

the constituent which above all others heap should be kept moist in order makes a soil a favorable growing place that the processes of decay may profor crops. This it does by improving ceed properly, but it should not be so

the soil's texture of tilth, by increas- wet as to cause drainage from the

maintaining the microscopic life which If manure is not available a sprink

prepares plant food in available forms ling of wood ashes or lime may be

and by storing and gradually liberat- made over the layer of muck or

all the elements of plant food. It is Unless it is intended for garden put

humus that imparts the "loamy" qual-ity to a soil; a "rich loam" is the fin-According to the nature of the mater-

est type of soil and invariably con-

tains an abundance of decaying ortanic matter; a poor or harsh soil is one deficient in humus.

ing its moisture-holding capacity, by heap.

Value of Manure—The history of

"worn-out" soils usually is that they have been constantly bearing crops— as, for instance, oats and potatoes— that left little organic residues and

have not received any or very small

amounts of manure.

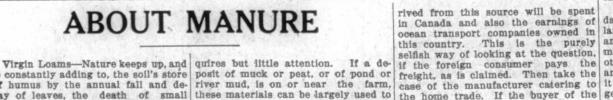
ing nitrogen—the most important of other refuse.

course of time become part and parcel can be utilized to good effect.

The potash situation, the report states, continues very serious. There is practically none available for fertilizer use, and present indications are that the supply for this purpose will not be increased materially during the coming year. The vraious obstacles to the commercial development of the four known domestic sources are Partciular emphasis is laid upon the necessity pointed out. These sources are: the giant help of the Pacific coast, the alunite deposits mainly department, it is stated, has extended its activi- in the mountains of Utah, the feldspathic rock of the eastern part of the United States, and the mud of Searles Lake in California.

The outbreak of the war, according to the report, found this country in a perculiarly fortunate agricultural condition, the year 1914 having witnessed an unusually large production of a number of staple crops. In this connection, the reports says, in part:

"The wheat crop of 891,000,000 bushels established the nation's record and was 128,000,000 bushels larger than that of any other year. The corn crop of 2,673,000,000 bushels, while it was only an average one, exceeded that of 1913 by 226,000,000 bushels. The oats crop of 1,141,000,-000 bushels was 74,000,000 bushels larger than that of the preceding year and the second in size in the history of the nation. The barley crop of 195,000,000 bushels was nearly 17,000,000 greater than that of 1913 and the second largest on record. The hay crop of 70,071,000 tons was the third in size. The total estimated value of all farm crops and animal products for the year is \$9;873,000,000, an amount greater by \$83,000,000 than the next largest crop value, that of 1913."



establishment. To them it is a form They sneer at him, THE FARMER AND HIS pick him to pieces. He is foolish, presumptuous. They say of him that last word of despite: "He knows it all." He generally finds himself so on the surrounding agricultural comcially outlawed. rived from this source will be spent in Canada and also the earnings of dares new things in a discouraged ocean transport companies owned in land, breaking the established customs This is the purely and theories of those about him. To the town is slow, the farming com-

The life of the country town hangs munity. To a marked degree the selfish way of looking at the question, maintain you can raise oats where munity suffers; if the fields fall to if the foreign consumer pays the others declare oats cannot be raised, produce fully or if there is waste of is constantly adding to, the soil's store of muck or peat, or of pond or freight, as is claimed. Then take the and for years have successfully proved crops, the town as well as the country loss. The country town is discay of leaves, the death of small these materials can be largely used to the home trade. If the buyer of the general odium. After you have raised rectly interested in crops, especially



Farm buildings on a model Alberta farm. These buildings are painted yearly, and make a neat

These facts explain the exceptional pays this extra cost for freight in value of manure for restoring these carrying Canadian wheat to Britain soils, for manure not only supplies the producer in Canada or the consuplant food but furnishes a large amount mer in Great Britain. This is a problem that may never be settled to the of vegetable organic matter, which in that may never be settled to the soil becomes humus, improving the soil in the various ways we have indicated and infusing or inoculating it consumer in Britain who would benewish "life."

It is claimed that if ocean freight manufactured article pays the freight, why should the manufacturer concern men of the district are only wiseacres, timated that of each dollar paid by you are disliked, of course.

The soil becomes humus, improving the satisfaction of all parties concerned.

It is claimed that if ocean freight why should the manufacturer concern men of the district are only wiseacres, timated that of each dollar paid by you are disliked, of course.

The soil becomes humus, improving the satisfaction of all parties concerned.

It is claimed that if ocean freight why should the manufacturer concern men of the district are only wiseacres, timated that of each dollar paid by you are disliked, of course. of vegetable organic matter, which in of soils by the turning under of green that one way of total at the dollar falls to example, ocean freight rates from the minister of agriculture and the bigger crops than they, that in the at- that only 46 cents of the dollar falls of soils by the turning under of green of soils by the turning under of green to the unitary of the minister of agriculture and the construction of the unitary of the minister of agriculture and the packers of this country for the purpose of securing orders from the unitary of the man who tills the soil. Figures pose of securing orders from the unitary of the man who tills the soil. Figures pose of securing orders from the unitary for the purpose of securing orders from the unitary for the purpose of securing orders from the unitary for the purpose of securing orders from the unitary for the purpose of securing orders from the unitary for the purpose of securing orders from the unitary for the man who tills the soil. Figures pose of securing orders from the unitary for the purpose of sec

Dominion Chemist (Asst. Director

The high cost of ocean transporta-

tion has raised the question as to who

ON WESTERN WHEAT

WHO PAYS THE FREIGHT

is an economical means of utilizing the all exporting countries to Britain, the days of government commissions we What is needed is not more information want of a market, as well as every large amount of vegetable refuse consumer in the home land might re-that is to be found in the fall of the ceive the greatest benefit from the re-the freight, the consumer or the proyear on every farm and garden—poduction, depending upon the demand ducer. ings of the barnyard, cabbage leaves, supply. But that is something that the tops of mangels and other root does not generally concern us just crops, kitchen waste and a hundred now. What wheat producers in this other forms of vegetable matter that country have been asking is that some the success of a successful man is con otherwise would go to waste or be thing be done by our own government burnt. The compost heap from the to secure cheaper rates for carrying manurial standpoint ranks very high, our wheat across the Atlantic. There and the practice in the fall of clearing is no doubt that if the government up and burning all this material is an could secure this reduction it would exceedingly wasteful one that can advance wheat prices in Canada.

only be excused when the refuse is if the argument that the consumer known to contain eggs, sports, seeds, pays the freight holds good, and etc., of injurious insects and plants. especially the consumer outside Can-The farmer's store of manure—always ada, why agitate for reduced freight too small for the proper upkeep of rates at all. If the consumer in Brithis sail in the best condition—finds a ain pays the shot, why not call off the supplemental material of great fer- railway commission and allow tilizing value in a well-made compost.

Where and How to Make—The compost heap may be made where convenience dictates and of any size, actions as the consumer outside of Cantal cording to the amount of material ada pays for it, why not let Canadian It may be made the re- railways get as much out of the traffic deptacle of all animal and vegetable as they possibly can? The more the refuse of the farm, save in such cases railways can get out of the foreign as where the material might disseminate disease. It can be added to at al-most any season of the year and re-bigger earnings of the railways de-

INSPIRATION In too many sections of the country

This perfectly delicious story-Pru-

dence and the younger sisters, among them irresistible twins, keep something going all the time. Laughter and tears lie close together in it, and it reads rapidly and interestingly throughout. -The Continen

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other perishable product which re-

mains unsold, represents loss, no CO-OPERATIVE MARKETING alone to merchant. OF WOOL IN THE PRAIRIE PROVINCES

Cooperative Wool Selling An United States exchange says: The cooperative marketing of wool has been tried this year in the three Canadian provinces of Manitoba, Sas-katchewan and Alberta. In Manitoba 74,000 pounds of wool was handled by the cooperators under the direction of the Department of Agriculture. A charge of one cent a pound was made for handling, grading and selling. The whole lot, except 504 pounds of tags, was sold at 26.8 cents per pound, net-

ting the growers 5@7 cents more than under the old system. In Saskatchewan 306 sheep owners, whose clips ranged from 10,020 pounds down to 12 pounds, cooperated. They handled graded and sold 148 339 handled, graded and sold 148,339 in pounds at a cost of \$596. Bulk of the pounds at a cost of \$596. Bulk of the wool brought 25 cents and netted the grower an average of 23.66 cents after paying his freight to the central point,

Regina

paying his freight to the central point, Regina. The Alberta association handled 85, and miserable. TIMBER STATEMENT FOR BRITISH COLUMBIA

Victoria, B.C., Dec. 24.—The timber statement for the month of November issued by the Hon., the Minister of Lands, shows that the total scale of sawlogs for the Province amounted to 47,436,313 ft. B.M., in addition to 291,577 lineal ft. of piles and poles and 9,386 cords of ties, shingle bolts and posts, etc. The sawlogs scaled in the various districts are as follows: Van-Lands, shows that the total scale of various districts are as follows: Vanspring it has two full summers for 906 ft., Island, 3,201,743 ft., Vernon, 1,037,901 ft., Kamloops, 790,341 ft., Prince Rupert, 482,769 ft. In the Nelson district 205,092 lin. ft., and in Cranbrook division 85,370 lin. ft. of poles and piles were scaled. Shingle bolts, etc., scaled in the Vancouver district amounted to 7,346 cords. During the month, timber sales

ecorded cover an estimated total of 6,800,000 ft. sawlogs, and 6,900 ft. of poles and piles-calculated to produce a revenue of \$12,404.

GOOD SEED

When any crop is well adapted to a ocality it does not pay to bring in seed from a distance except for introduction of new varieties. This is specially true of our cereals. Northerngrown oats give better results than ome-grown seed in the center of the corn belt because this cereal is better adapted to a cool climate. The best possible seed corn can be grown right at home in any part of the corn belt, and failure to have the most produc tive strains is due to the grower and not to the land. We usually make a mistake in believing that a change from one type of soil to another is desirable, provided the soil used is well adapted to the crop. Many of our successful gardeners develop sidered an insult by the man who has 093 pounds which sold at an average strains of seed for themselves upon failed. The farmer who attempts to price of 26.77c. Cost of handling which they place a high valuation and do anything on an extensive scale begrading and selling is not stated in they will not dispose of the seed to comes the object of his neighbor's dis- the official report, but the experiment anyone else. The possibilities of seed approval and even dislike. In a sub-conscious way they regard his at-to both growers and buyers, the latter producer of corn. Starting with a empt to do more than they are doing getting the wool at a central point fairly productive variety, if he would just as they would an attempt to out- without having to travel around and

select each fall the type of ear and type of stalk he wanted, he could have IS ENCOURAGING that for his own farm would not be excelled by the best-bred corn in the within a few years a strain of corn

SWEET CLOVER A correspondent states that he failgrowth. It is quite hardy and may be sown early in the spring.

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Wanted, to hear from owner of good farm for sale. State cash price and description. D. F. Bush, Minneapolis, Minn.

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soil in the various ways we have indicated and infusing or inoculating it
with "life."

Green Manuring — This explanation
also helds good for the improvement
of soils by the turning under of green
of soils by the turning under turning under the turning under the turning under the consumer to detail the consumer to dealth the consumer to dealth the consumer to dealth the consumer to dealth the dealth of each dollar paid by
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We Give You 20 Years to Pay We will sell you rich Canadian land for from \$12.00 need only pay one-twentieth down and the balance within 20 years, interest at six per cent. Long before your final payment comes due, your farm will have paid for itself. Many good farmers in Western Canada have paid for their farms with one crop. Realize what can be done with the high prices that will prevail for grain for the next few years. Stock will ad-

etc.) The legumes are the most of the full extent of the reduction in rates. The consumer in British war office for Canadian canned the point where they have practically and dressed meats. One of the argument of the influence shaded meats. One of the argument of the point where they have practically and dressed meats. One of the argument of the point where they have practically and dressed meats. One of the arguments of the point where they have practically and dressed meats. One of the arguments of the point where they have practically and dressed meats. One of the arguments of the point where they have practically and dressed meats. One of the arguments of the point where they have practically and dressed meats. One of the arguments of the point where they have practically and dressed meats. One of the arguments of the point where they have practically and dressed meats. One of the arguments of the point where they have of great all.

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The consument of the point where they have of great and dressed meats. One of the arguments with one crops and dressed meats. One of the arguments and dressed

Advance of Live Stock To settlers in certain specified areas who have been one year in occupation of their land, who have the necessary feed and shelter and can satisfy the Superintendent of Agriculture and Animal Industry that they are possessed of practical experience in the care and handling of live-stock, cattle, and in some cases sheep, to a value not exceeding one thousand dollars, may be advanced under easy terms.

If You Already Have a Farm in Western C Increase your farm holdings by a tract from the Camadian Pacific Where else will you get such loss and twenty years to pay for you write us and let us give you full tion how you can do this. If years the part of the part of the part of the part of the company of the company of the company of the part of the part of the company of the part of

to the farmer but to the

AND STOP CATARRH

PUT CREAM IN NOSE

gling for breath at night.

Tells How To Open Clogged Nos-trils and End Head-Colds.

You feel fine in a few moments. You

in your nostrils, let it penetrate through

fied areas who have been one year in occupation of their land, who have the necessary feed and shelter and can satisfy the Superintendent of Agriculture and Animal Industry that they are possessed of practical experience in the care and handling of live-stock, cattle, and in some cases sheep, to a value not exceeding one thousand dollars, may be advanced under easy terms.

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sufferer needs. Don't stay stuffed-up For Sale Town lots in all growing towns, on Macs of Canadian Pacific Rativay.

WEANING T for during the sum fed a little grain

HORSE

DECEMBER 2

roughage and dam's time will be merely ration. The time warv with conditions is to allow it five to the work of the heavy to light, but Separation must be satisfactory, and the small lot fenced eith poles. The weaning cessfully accomplis through which the least setback in gro ing time the colt pounds of oats or pounds of oats ar ground barley mix plenty of clean alfal fret for its dam. THE HORSE

Speaking of horse "The most serie the horse business number of reje mounts being sold The tyes are n adian types to be is known for a fact some form on and they are being unl Mc here for militar claimed that if the lein test, that noth prevent the unl upon the Canadian duty paid, and do have been sold for would pay the to destroy the a plicated that case, the 'rejects place enough to supp not done, the he



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