evidenced to Our shoes for

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sole. A shoe

\$4.50 & \$5.00

Calf, Vici Kid,

\$4.00 to \$5.00

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FARM COMMENT

In this issue we publish an interest ing article on the "Origin and Evolu-

In 1908 and 1909 Canada imported over two million dollars worth of lard and we are a country of great agricultural resources.

With hogs ten dollars per hundred weight and we import two-thirds of our bacon, surely indicates a great field for the mixed farmer.

coming acute. Farmers should make every effort to secure help, and a few dollars should not prevent the enfarmers the railroad building and other great works will be active competilit is probable that not at any time in tors in the labor market.

GOOD ROADS

of this problem will be appr clated by the Saskatchewan farmers.

HORSE PROBLEM.

A staff correspondent of the Canod in western history. The Canadian cord.

Next to the question of moisture is ing throughout the west. "When we such a demand for horse-flesh already

train load. They come from Ontario, from the old country when they can year, be obtained, and they are coming in about 800 to 1,000 head per week coming into Canada from the western to the meleine test for glanders be-

fore being allowed to enter. Many look to gasoline power to take it has not been an unqualified success, but all are optimistic in regard to it. "At the present time I can of one man of very wide experience, "but that is not saying that gasoline is a complete failure.'

more capable of handling the operations of spring and summer than if work were delayed until late when it would have to be rushed harder. Conhave its depressing and quieting effect auspices of the Cattle Breeders' As- breeds are originated. backward, colder weather will inevit-

PRICES WILL STILL SOAR

Shortage of Hogs in the United States as Well as in Canada-Ontario Will Have Big Supply Soon - High Prices For Two

Hogs are 10c a pound on the hoof n Winnipeg, the highest price in 20 years, and there is not only a very of Domestic Poultry-An Interlimited supply of hogs coming in the market, but hardly a day passes that farmers do not visit the yards in person looking for brood sows, and as a rule finding none at all, or young and very inferior animals. Last fall when scores of brood sows were passing ers of the Canadian West are confront- back I do not care to go. ed with the prospect of paying 25c movement in favor of good for bacon and 18 to 20c per pound for accous (crowing) birds) to be the

work. The lack of proper ballast is and that the country was poorly late period of maturity tend to develop anead. Not only have I destroyed the agreet hindrance and drainage is the union shortage is almost directly "too sudden" cross these characteristic period of maturity tend to develop anead. Not only have I destroyed the agreet hindrance and drainage is the union shortage is almost directly "too sudden" cross these characteristic proper ballast is almost directly "too sudden" cross these characteristic proper ballast is almost directly "too sudden" cross these characteristic proper ballast is almost directly "too sudden" cross these characteristic proper ballast is almost directly "too sudden" cross these characteristic proper ballast is almost directly "too sudden" cross these characteristic proper ballast is almost directly below the seriously ill kill it to prevent contag-The enormous loss to the farmer through bad roads cannot be estimated. Any efforts toward the solution of starch and making the spread between the solution of starch and making the spread between the solution of starch and making the spread between the solution of starch and results in a period hastens maturity, checks the production of starch and results in a waterway, with a somewhat indefinite production of starch and results in a period hastens maturity, checks the damage. Not only have I brough the successful the original type regained. This is the original type regained. The production of starch and results in a period hastens maturity, checks the damage. Not only have I brough the original type regained. The production of starch and results in a period hastens maturity, checks the damage. Not only have I brough the original type regained. The production of starch and results in a higher percentage of protein. Snyder, the successful the original type regained. The production of starch and results in a higher percentage of protein. Snyder, in his chemistry of plant and animal high and making the spread between the production of starch and results in a higher percentage of protein. Snyder, and from the creation of the original type regained. The production of starch and results in a higher percentage of protein. Snyder, and from the creation of the original type regained. The heat of the original type regained in high and making the spread between the original type regained in the original type regained. The heat of the original type r 1909 to increase their corn acreage and make no attempt to reinstate their of brood sows as the Canadian West,

though she has not been so impru- was lost in breeding. cultivating 40 per cent. or 50 per cent. pork in sweet pickle are being brought in Great Britain will come west this

from the United States. There are price of hogs is profitable to only the Games, Cochins, Brahmas and Lang- in "back luck" at farrowing time. very few farmers who have been wise enough to have hogs to sell. Of course the farmers will say, "Hogs are only states at North Portal. Owing to dear because we are refusing to raise eggs and are persistent sitters. stricter quarantine regulations now in them." This is only partially true.

> be drawn. least.—Free Press.

THE SASKATCHEWAN FARM RECORD AND REVIEW

ORIGIN AND **EVOLUTION**

esting Paper on This Important Subject - Methods For Breeding Poultry.

(W. L. Ramsay, Bladworth.)

slaughter houses the Free Press ven- I have arrived at such unsatisfactory tured to point out the folly of such a results from not starting at the beproceeding, but it had no effect and ginning, that in order that such may the last five years have the western my ancestrial home-between the provinces been so denuded of brood Tigus and the Euphretes, and we will sows as they are today. Many farm- take our time as the creation-further

Naturalists find the earliest Gallin-

a recent meeting of the ham, for use on their farms this sea- jungle-fowl, now extinct; their home was decided to issue de- son, and the prospect does not look as the jungles of India, and their nearest thetical than than experimental. alluring as it might. More than one descendants the game. A casual obinstitute speaker ventured last fall servation of any number of indiscrimbe expended on the roads of that dis- and early winter to point out that inately-bred poultry will reveal the trict. This is a move in the right di- even the then high price at which game heckl and further breeding will The decision to place the coarse grains could be sold would not evolve other game characteristics. The expenditure in the hands of the rep pay in the long run if they had to prepotency of the game is due to long bath a necess buy bacon for their own use at exbreeding, giving fixity of type, and
orbitant prices, which a genuine this fixity of type is what breeders

bath a necessity. Like cannot he without moisture; this they secure cultural produce, is compelled to imbut soil and climate may cause great the land and the weeds are growing a good principle. Roadmaking is a shortage of hogs would create. These mean when they enquire an animal's science, and the municipality should have engaged a competent man to have engaged a competent man to have engaged a competent man to have checked the sale of hogs would create. These other words how long if she does not lay in season, ditto. If she does not la Shortage of hogs is not confined to his pedigree? I may be permitted legs are ruffled lice have burrowed to the extent of \$60,000 the western provinces; it is general here to say there is nothing lost in come and within a few years great over the American continent, but not breeding; characteristics may be obcome and within a few years great over the American continent, but not strides will be made in this necessary always for the same reason. In the scured, hidden or so covered that remove the cause and restore scales original settlers were not farmers, ditions favorable to grow and it goes right to normal condition. If your hen is and that the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid period of maturity tend to develop a heat the country was poorly laid to grow and it goes right to g traceable to the drouth conditions in istics will emerge, and if properly ion. It does not pay to have sick Empire Loyalists, who were granted 1908, which forced a large number of worked out the prestine elegance of hens in your flock.

variety. He selected pigeons as the ly. Don't introduce a new bird into just how far back their land goes from wheats which contain the largest hogs. The result of this policy is shown in the packing returns at Chishown in the cago where in the twelve months metamorphises, his resultant bird was from March 1st, 1909, to March 1st, a blue rock, the fantail being the last adian Farmer makes some interesting 1910, the decrease in receipts has to surrender. His conclusion was go to some careful breeder that you chief cause of the trouble, as I say, is, been close on to 5,000,000 hogs. The that one class blend into another with have previously supplied and select however, that the original settlers receipts has to surrender. His conclusion was go to some careful breeder that you chief cause of the trouble, as I say, is, however, that the original settlers receipts has been close on to 5,000,000 hogs. The latter that the original settlers receipts has been close on the horse problem in the conclusion was go to some careful breeder that you chief cause of the trouble, as I say, is, however, that the original settlers receipts has been close on to 5,000,000 hogs. comments on the norse problem in United States are relatively as short this province. This question is one of the most valuable your new males. Water forms a large were not farmers and did not seem in constituents of food. Wheat contains classification is merely arbitary. Our part of the egg. Give constant access clined towards agricultural pursuits. the largest amount of proteids of any crops for the year has regard to the of vital importance to the farmers. and many of the sows they have are conclusions to this experiment are thereto. Milk is excellent food and Here in Ontario, the sons of pioneers of the cereals. It is used as human leeds of his flock. He recognizes Prices have soared until now horses of the small stocker sort, not calcu- that fantails are bred "far back," and drink for poultry. Don't sell your best after assisting to clear up the home- food more extensively than any other the great advantage of providing not are of greater value than at any peri- lated to give much of a breeding re- that all varieties of pigeons originated bird. Cull, cull, select, stead, went and took up bush farms cereal. With the exception of rye, only a variety of foods but a success from the blue rock aided by variation, select. Such is the secret, if secret of their own. In New Brunswick in wheat is the only grain which con-Ontario is short of hogs also, fixed by selection and that nothing there be in poultry breeding.

dert as to denude her pig sties of A poor bird from a good stock is that of horse power to perform the brood sows to the extent that has been better than a good bird from poor work. Horses are wanted by every practised elsewhere. Long experience stock. A single illustration that came Rations Which Have Been Used With farmer, and the horse trade is boom- in the business has taught the On- that came under my observation may tario man that it never pays to run serve as an argument. The breeder short of brood sows with high breed- of high-class Brown Leghorns was an- in discussing the hog question, gives are only cultivating 15 per cent. of ing records. Ontario is short of hogs noved to find that his neighbor's the following remarks on the care neour land in Saskatchewan," said A. at the present time, but within six Black-Breasted Red Game cock had cessary for brood sows: Mutch, president of the Horse Breed- months her supplies will begin to be visited his yard and there reigned ers' Association, "and we have created renewed, while in the United States supreme for one day. That season's cents per pound live weight the farmand the Canadian West it will be a hatch had one cockerel of such sur- er cannot be too careful of his breedyear if not more, before there can be passing merit that in the show yard ing herd. If one wishes to have large what will the result be when we are any relief of the situation. Tons of all competitors were outclassed. "I healthy litters of pigs for next year's bred from him two seasons," the own- market one must provide one's brood in from Ontario and finished in Win- er said "and got nothing but rags. He sows with a mixed ration. Corn alone nipeg. Indeed much of the pork from destroyed my entire yard. He was a does not provide a sufficient feed for Ontario which usually finds a market good bird from poor or mixed stock." the brood sow, yet because it is handy,

of Oriental tastes must concede that is feed lavishly on the majority of In the meantime the very high with them poultry takes first place. farms. Its indiscriminate use results shangs form one distinct class—Asia- Experiment stations advise the feedflesh, not eggs, lay few small brown or buttermilk. On many farms milk countries of both America and Europe

Egyptologists have in the recesses ration for a number of sows and one but three—Argentina, Chile and Ura- and 35 to 40 per cent, of glutenin, for oiling the show flock. The crop force, these horses are all subjected Conditions in the United States which have produced the shortage there, ing chamber. May we not assume thing else to supply the required Australia, save the northern part, and nave produced the shortage there, with a 70 to 75 per much reliated by were largely beyond the control of that poultry there bred were non-sit- amount of protein. Writing from per- New Zealand are considerable grow- cent, solution of alcohol, and is ob- tues a rich diet. the farmers, certainly the drouth of ters. Each of the ancients there resonal experience, splendid success has ers. Africa is represented in the tate tained by evaporating to dryness. "Two varieties of vetches are grown 1908 was, and prices were bound to ferred to had different aims in breed- been had in feeding old process oil- bles by Algeria, Egypt, the Sudan, Gliadin is the material which binds tothe place which horses are too few advance there. High prices in Chi- ing—one for flesh, the other for eggs. meal and shorts where a large num. Tunis, Natal and Cape Colony—a very in available numbers to supply. So far cago would have meant higher prices And the type then new, but now fixed ber of sows are kept. These feeds small fraction of the entire area. In cago would have meant higher prices by forty centuries of breeding for a are mixed as a thin slop and a good Asia, equally well adapted by soil and the gas generated by the yeast, or lib. The latter produces the heavier yield many hogs had been raised, because fixed purpose has given us the Medi- feed given every other day. When climate to Europe as a wheat area, erated from baking powder. the Canadian west has never producterranean class — Minorca, Spanish, rye or inferior wheat is on hand it is the wheat growing centres largely in ed more than a third of the bacon she Leghorn, Andalusian and Hamburg. ground and used instead of shorts. India and Asiatic Russia. Turkey is mains after gliadin is extracted from to bother with it has consumed and therefore the prices These birds, bred for egg production, Of course judgment must be used a reasonable larger grower, and Japanese and Japanese These birds, bred for egg production, Of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and Japanese These birds, bred for egg production, of course judgment must be used a reasonable larger grower, and the production of the pr paid for hogs in Winnipeg are largely are, with the exception of the Minorca, even in feeding oilmeal, as too heavy pan important. In the report China governed by the prices at outside small and all nervous, active birds, a feed, especially at the start, would does not figure at all—the only impoints from which the balance must very good birds, too, for your neigh- likely result disastrously. Cottonseed portart nation absent from the list. No matter how high a price a man many eggs—white—and are non-sit-oilmeal, as the former should never be follows: North America, 911,000,000; Scarcity of horse-flesh was one of has to pay for good brood sows at the ters. The occasional sitting of these fed to brood sows. the things which made the early open- present time it will pay to buy them, birds, generally unsatisfactory, but for unless the world suddenly turns confirm their origin in the Asiatic The poultry department of the cen-Jew and refuses to eat pork, hogs breed and prove that forty centuries tral experimental farm is a national making a grand total for the world of It would make the power on the farm will be dear for another two years at have merely obscured but not eradi- luxury. In answer to questions ask- 3,916,000,000 bushels.

ably make horse-flesh dearer and in- they contain the rules governing the species. So the intelligent fanciers of The revenue for ten months amounts ada, the Argentine, Egypt and Al-

or general utility back to one, or both, FARMS FOR LESS

iming that none but birds of Asiabut let me impress that to them, and them alone, crossing should be en

I will conclude by asking you to accept the doctrine that all Gallinaceous jungle-fowl, gallius bankiver via the game via Asiatics or Mediterranean.

first what you wish to breed for. If for eggs take a Medeterranean. If for the block an Asiatic. For show two colors, and their relative markings and had better be left to experts. Mature birds produce better specimens. Young stock produce birds

Corn is a heating and fattening food; producer; wheat is the safest and best buildings. all-round food. Mangels and cabbage

CARE OF BROOD SOWS.

Good Success.

Visitors to the Orient and observers plentiful and comparatively cheap it

tics. They are large bodied, bred for ing of clover or alfalfa and skim-milk

bor's garden. They lay large and meal should not be confounded with

cated their natural sitting propensities ed in parliament, the minister of agri--there is nothing lost in breeding. A culture informs us that this public a total for her European and Asiatic comparison of conclusions show that estate covers three acres and five- possessions of 783,000,000 bushels; the The sixth annual auction sale of sitters lay brown eggs; non-sitters tenths of an acre. He also states that United States is a reasoably close pure bred cattle will be held in Bran- white ones. I may add that from these there are at present 323 fowls in the second with 737,000,000; France foltinued warm bright weather will thus don, commencing June 1st, under the two classes all our general utility coop. To properly attend to this busi- lows with 356,000,000, and British Inness the services of five men are en- dia is a strong fourth, producing, acupon the western horse trade, while sociation of Manitoba and the Department of Agriculture; Ottawa. Notices few bones of a bird found in the forest "experts" is four thousand four hunof this sale are being distributed, and could assign the same a class and dred and twenty dolars and one cent. inently in export production are Can-

THAN COST

Agricultural Conditions in New Brunswick in Bad Way-Farm May be Bought For Less Than Costs of Improevements.

Sun. "200,000 acres less under cultivamore pullets, though this is more hypomillion acres. There are abandoned crop in our country. farms everywhere, while many are barley brings out color; oats is a bone selling at less than the cost of the

are refreshing in winter and the dust by the fact that New Brunswick, bath a necessity. Lice cannot live which should be an exporter of agriidentical conditions often show conplowing to do I put the plow to work When your hen is sick look for lice, other quarters. The town of Sask- er variation in a variety than will be a put the harrows on again before

towns and cities

"There is no lack of opportunity in A recent writer in Breeders' Gazette be bought for less than the cost of er purposes is therefore, valuable. | with clover, alfalfa, vetches, rape, cab-When hogs are selling for eight I have seen cows sell there for butch water and together form gluten, a of cultivation and manner of feeding.

WORLD'S WHEAT CROP.

Geographical Distribution of Wheat Growing-Russia Largest Producer. The March "Crop Reporter" sums for the year 1909.

wheat growing is interesting. All the cording to Snyder the gluton of good in Great Britain, and to some extent By continents the production is as South America, 189,000,000: Europe, 1,142,000,000; Asia, 430,000,000; Africa, 66,000,000, and Australia, 73,000,000,

In this production Russia leads with today can tell the origin of a Mongroel to the magnificent sum of \$350.87... geria.

OUALITY IN WHEAT

The Necessity of Careful Selec-Best Grain Should be Used for

in pure, clean, palatable, nutritious have put in the grain just because wholesome white bread which is made they could get on the land. Crops The quantity of flour produced from

miller. The quality of the bread and greater part of the province, conseother products that may be made from quently the weeds will grow this that flour is equally important to year. If the grain is sown before there the consumer. What do we know is any growth in the land, the weeds reek from a Farmers' Institute cam- about the amount and quality of flour and grain will grow up together, with paign in New Brunswick, presents a produced by different varieties of the natural result, a dirty crop. There is no best breed. Determine somewhat gloomy picture of agricul- wheat? To the average producer I know a great many people will wheat is wheat, and he grows only not agree with me in what I am writthose varieties that yield the largest ing. I think we can all learn from number of bushels per acre.

ment becomes all the more significant be produced only by careful investi- our farms the best results obtainable. with better laying proclivities. A area under cultivation in New Bruns- tain manner that wheat will long con- Of course, the years differ, but it cockerel mated with old hens produces wick is only about one and one-half tinue to be an important staple money ranges from the 15th of April to the

may be determined in a rough way by says: mixing a weighed portion of flour with "Vetches, or tares as they are also water into a stiff dough, and, after the called, make excellent fodder for washing it under a gentle stream of cured hay. This crop much resembles water until it is free from starch. peas in habit of growth and requires Gluten is usually weighed first in the about the same kind of cultivation wet and afterward in a thoroughly Its vines are more slender than pea up the wheat production of the world dry state . Its physical qualities as vines and stand up better when grown well as the quantity are indicative of with a stiff variety of oats. Vetches The geographical distribution of the baking quality of the flour. Ac- are grown extensively for sheep feed wheat constitutes from 80 to 85 per in Canada for the same purpose. The cent. of the total proteids and con writer, while raising sheep, always sists of 60 to 65 per cent. of gliadin grows a small area of tares with oats Gliadin may be separated from either being fine in vine and very leafy is gluten or flour, with a 70 to 75 per much relished by sheep and consti

Glutenin is the proteid which re- ported is very expensive and few care

Assinibola Delegates. A large meeting of the represetatives of the various Conservative as. of a pasture field as soon as cut, or sociations of Assinibola was held in it may be allowed to wilt in the swath Estevan on Friday night, when 29 for a few hours. Vetch hay is made delegates were selected to attend the in much the same manner as clover federal convention at Ottawa. The or timothy is handled. Vetches may representation is evenly divided be pastured by sheep, but this is a throughout the district, and the dele- wasteful practice, as much of the gates were nominated by the local as- crop is destroyed by tramping." sociations and the nominations con-

Minard's Liniment for sale everywhere Stock Commissioner at Ottawa,

This is one of the years that the crops of the country should be clean. We have one of the finest years that Nature could give us for the destruction of weeds. Yet I know that a very

large portion of the crops will be very dirty, because some of the farmers have not used the time Nature has given us for the cultivation of our products of wheat. All are interested land for the destruction of weeds, but ent time cannot help but be dirty, as there was no growth in the summerbushel of wheat is important to the fallows for the weeds last fall in the

Definite knowledge about the other people's experience will help this association to accompany me to birds add the difficulty of breeding tion in New Brunswick now than there amount and quality of flour produced me, and so we become co-workers towere twenty-five years ago. That state- from different varieties of wheat can gether with Nature in bringing from when it is remembered that the total wheat production indicate in no uncer-

"The condition is further illustrated the large wheat-producing centres. enough, but I do not go on the land content of the kernel, and we find I put the seeder on next and then I "The chief cause of the trouble that this constituent in wheat varies harrow after the seeder so that the or coal oil mixed with lard, which will seems to be found in the fact that the from eight to eighteen per cent. Con- land is in splendid shape for the lands, so many claims fronting on a period hastens maturity, checks the damage. Not only have I brought the medium of his experiment. From a such a flock unless you know the the water. I found one man whose amount of nitrogen produce the most I have saved my grain and I have A FARMER.

stead, they s em to have gone to tains gliadin, the proteid which forms through. Bulletin No. 12, "Sheep Husdough and with the gas causes ex- bandry in Canada," published and ispansion of the mass during the pro- sued free by the Live Stock Branch at New Brunswick; in fact, if I were a cess of bread-baking. A study of the Ottawa, takes up this subject in a young man I would go there rather proteids of wheat and their relation to practical and thorough manner. Un than to the West. Land, as I say, can the quality of flour for bread and oth- der special crops for sheep it deals mprovements and the prices at which The proteids of wheat are albumen, bage, turnips, mangels, corn and the products are sold are considerably globulin, proteose, gliadin and gluten- several classes of grain. Each is nigher than those ruling in Ontario, in. The last two are insoluble in treated separately in regard to method ering at \$5 which would not fetch over tough, elastic, spongy material that Dealing with vetches the bulleting

dough has stood for a little time, sheep, either as a soiling crop or as

for fodder. The common vetch is the gether the flour to form dough and chief sort cultivated, but the hairy but so far the seed having to be im

part in bread-making. Glutenin com- clean, mellow and rich. The seed bines mechanically with gliadin and, may be sown in drills or broadcast. A serving as a nucleus to which the lat- good seeding for either soiling or hay ter adheres, prevents the dough be- is about three pecks of vetches and coming too soft and sticky. Glutens four pecks of oats per acre. The of high quality are usually hard, elas. vetches are ready to feed any time aftic and of a light yellowish color. ter the crop comes into blossom and before the seed commences to ripon. For soiling the crop may be hauled to racks, or be distributed on the sod

Sheep raisers who do not already possess a copy of this bulletin would do well to order one from the Live